

Product Catalog

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Life Science Research  
**2016**



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# Overview

## Life Science Research 2016

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<b>New Products</b>	ii
<b>Sample Preparation</b>	1
<b>Sample Quantitation</b>	19
<b>Cell Counting</b>	29
<b>Flow Cytometry</b>	33
<b>Cell Imaging</b>	47
<b>Chromatography: Laboratory and Process Separations</b>	53
<b>Electrophoresis and Blotting</b>	149
<b>Antibodies</b>	275
<b>Imaging Instruments</b>	279
<b>Imaging and Analysis Software</b>	291
<b>Bio-Plex® Multiplex System</b>	297
<b>Microplate Systems</b>	329
<b>Transfection</b>	335
<b>DNA Amplification/PCR</b>	349
<b>Plastic Consumables and General Laboratory Equipment</b>	403
<b>Biotechnology Explorer™ Educational Products</b>	417
<b>Trademark and Legal References</b>	425

# New Products

## Antibodies

### PrecisionAb™ Validated Western Blotting Antibodies

Rigorous validation using 12 different whole-cell lysates expressing endogenous levels of the target proteins makes the PrecisionAb line of primary antibodies optimally suited for generating dependable data in western blotting applications. With stringent quality control, trial-size availability for assessing performance, inclusion of a positive control lysate that allows benchmarking target bands for identification, complete validation data, and detailed protocols, the PrecisionAb line of antibodies provide high specificity and sensitivity and offer overall ease of use with minimal trial and error. **Page 277.**



## DNA Amplification/PCR

### Droplet Digital™ PCR System Reagents

#### ddPCR™ Residual DNA Quantification Supermix and Kits

ddPCR residual DNA quantification supermix and kits enable precise quantification of low levels of Chinese hamster ovary (CHO), *Escherichia coli*, yeast, human, and mouse DNA for residual host cell DNA monitoring. DNA can be quantified directly from various sample matrices without DNA purification. **Page 352.**



#### One-Step RT-ddPCR Advanced Kit for Probes

One-step RT-ddPCR advanced kit for probes offers improved efficiency, specificity, and sensitivity for precise RNA target quantification. The optimized enzyme blend enables partitioning of RNA samples into droplets while keeping the enzymes inactive until the reverse transcription reaction is performed, ensuring full enzyme activation for primer-mediated cDNA conversion. The supermix contains an RNase inhibitor that protects the RNA throughout the entire workflow. **Page 353.**



#### ddPCR Mutation Screening Kits

ddPCR mutation screening kits are designed for rapid screening of several key cancer mutations in a single reaction with a limit of detection of 0.5% or better. These kits are ideal for use with DNA extracted from formalin-fixed, paraffin-embedded (FFPE) samples, liquid biopsy, fresh/frozen tissue, and samples with low yield or inhibitory substances. Assays for each of the mutations detected by the kit can also be ordered individually. **Page 356.**



### Reverse Transcription Reagents

#### iScript™ gDNA Clear cDNA Synthesis Kit

The iScript gDNA clear cDNA synthesis kit integrates an effective DNase digestion step with fast and sensitive first-strand cDNA synthesis to generate accurate quantitative PCR data in an easy workflow. **Page 383.**

## Biotechnology Explorer™

### Photosynthesis and Cellular Respiration Kit

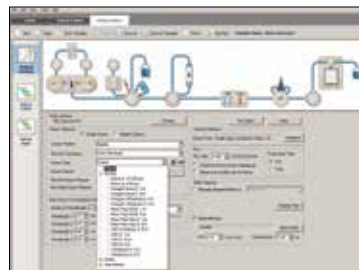
This ThiNQ!™ investigation kit facilitates inquiry-based learning and teaches photosynthesis and cellular respiration concepts using easy-to-handle algae beads and a simple colorimetric assay. The kit is aligned with AP Biology learning objectives and it encourages and supports inquiry in its teacher and student manuals. **Page 418.**



## Chromatography

### ChromLab™ Software, User Management Edition

The User Management Edition of ChromLab software enables multiple system control from a single PC and the ability to save all methods, runs, and analyses to a central database. Data can be shared among ChromLab computers and NGC™ chromatography systems. **Page 121.**







## Appendices and Index

<b>Trademarks and Legal Notices</b>	<b>426</b>
<b>References</b>	<b>428</b>

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## Catalog Number Index

Cat. #	Description	Page	Cat. #	Description	Page
1005430	PROTEAN II Latch Assembly Kit, for central cooling core	187	1351303	PureBlu DAPI Nuclear Staining Dye	49
12001006	ddPCR <i>NRAS</i> Q61 Screening Kit	356	1351304	PureBlu Hoechst 33342 Nuclear Staining Dye	49
12001037	ddPCR <i>BRAF</i> V600 Screening Kit	356	140-1424	AG 1-X8 Resin, hydroxide, 20–50 mesh, 10 kg	63
12001088	NGC Multi-D Starter Kit	114	140-1445	AG 1-X8 Resin, chloride, 100–200 mesh, 10 kg	63
12001094	ddPCR <i>NRAS</i> G12 Screening Kit	356	140-2341	AG 4-X4 Resin, free base, 100–200 mesh, 5 kg	63
12001626	ddPCR <i>KRAS</i> Q61 Screening Kit	356	1401231	AG 1-X2 Resin, chloride, 50–100 mesh, 500 g	62
12001627	ddPCR <i>NRAS</i> G12/G13 Screening Kit	356	1401241	AG 1-X2 Resin, chloride, 100–200 mesh, 500 g	62
1250094	Aminex HPX-87C Column, 250 x 4.0 mm	101	1401251	AG 1-X2 Resin, chloride, 200–400 mesh, 500 g	62
1250095	Aminex HPX-87C Column, 300 x 7.8 mm	101	1401253	AG 1-X2 Resin, acetate, 200–400 mesh, 500 g	62
1250096	Aminex HPX-42C Column, 300 x 7.8 mm	101	1401255	AG 1-X2 Resin, acetate, 200–400 mesh, 10 kg	63
1250097	Aminex HPX-42A Column, 300 x 7.8 mm	101	1401331	AG 1-X4 Resin, chloride, 50–100 mesh, 500 g	62
1250098	Aminex HPX-87P Column, 300 x 7.8 mm	101	1401341	AG 1-X4 Resin, chloride, 100–200 mesh, 500 g	62
1250100	Fast Acid Analysis Column, 100 x 7.8 mm	101	1401342	AG 1-X4 Resin, chloride, 100–200 mesh, 10 kg	63
1250105	Fast Carbohydrate Column, 100 x 7.8 mm	101	1401351	AG 1-X8 Resin, chloride, 200–400 mesh, 500 g	62
1250115	Fermentation Monitoring Column, 150 x 7.8 mm	101	1401421	AG 1-X8 Resin, chloride, 20–50 mesh, 500 g	62
1250118	Micro-Guard De-Ashing Refill Cartridges, 30 x 4.6 mm, 2	102	1401422	AG 1-X8 Resin, hydroxide, 20–50 mesh, 500 g	62
1250119	Micro-Guard Carbo-P Refill Cartridges, 30 x 4.6 mm, 2	102	1401431	AG 1-X8 Resin, chloride, 50–100 mesh, 500 g	62
1250128	Micro-Guard Carbo-C Refill Cartridges, 30 x 4.6 mm, 2	102	1401441	AG 1-X8 Resin, chloride, 100–200 mesh, 500 g	62
1250129	Micro-Guard Cation H Refill Cartridges, 30 x 4.6 mm, 2	102	1401443	AG 1-X8 Resin, acetate, 100–200 mesh, 500 g	62
1250131	Standard Cartridge Holder	102	1401444	AG 1-X8 Resin, formate, 100–200 mesh, 500 g	62
1250139	De-Ashing Cartridge Holder, for 1250118	102	1401451	AG 1-X8 Resin, chloride, 200–400 mesh, 500 g	62
1250140	Aminex HPX-87H Column, 300 x 7.8 mm	101	1401453	AG 1-X8 Resin, acetate, 200–400 mesh, 500 g	62
1250142	Aminex HPX-87K Column, 300 x 7.8 mm	101	1401454	AG 1-X8 Resin, formate, 200–400 mesh, 500 g	62
1250143	Aminex HPX-87N Column, 300 x 7.8 mm	101	1404341	AG 4-X4 Resin, free base, 100–200 mesh, 500 g	62
1250147	Cartridge Holder Seal Replacement Kit	102	1407841	Bio-Rex 5 Resin, chloride, 100–200 mesh, 500 g	62
1250148	Cartridge Holder Seals, for 1250131	102	1407851	Bio-Rex 5 Resin, chloride, 200–400 mesh, 500 g	62
1250224	Injection Needle	127	141-1842	AG MP-1M Resin, chloride, 100–200 mesh, 10 kg	63
1250233	Carbohydrate Analysis Kit	101	141-1853	AG MP-1M Resin, nitrate, 200–400 mesh, 10 kg	63
1250234	Organic Acid Analysis Kit	101	1411831	AG MP-1M Resin, chloride, 50–100 mesh, 500 g	62
1250506	Micro-Guard Anion CO <sub>3</sub> <sup>-</sup> Cartridges, 30 x 4.6 mm, 2	102	1411841	AG MP-1M Resin, chloride, 100–200 mesh, 500 g	62
1250508	Micro-Guard Cation Na <sup>+</sup> Cartridges, 30 x 4.6 mm, 2	102	1411851	AG MP-1M Resin, chloride, 200–400 mesh, 500 g	62
1250561	Anion Exchange Chromatography Protein Standard, 6 vials	90	142-1254	AG 50W-X12 Resin, hydrogen, 200–400 mesh, 1 kg	63
1250562	Cation Exchange Chromatography Protein Standard, 6 vials	90	142-1423	AG 50W-X8 Resin, hydrogen, 20–50 mesh, 10 kg	63
1250585	Carbohydrate Analysis Standard, 6 vials	90	142-1424	AG 50W-X8 Resin, ultrapure, 20–50 mesh, 10 kg	63
1250586	Organic Acid Analysis Standard, 6 vials	90	142-1442	AG 50W-X8 Resin, hydrogen, 100–200 mesh, 10 kg	63
130-0421	Bio-Gel HTP Hydroxyapatite, powder, 1 kg	69	1421231	AG 50W-X2 Resin, hydrogen, 50–100 mesh, 500 g	62
130-0425	Bio-Gel HTP Hydroxyapatite, powder, 5 kg	69	1421241	AG 50W-X2 Resin, hydrogen, 100–200 mesh, 500 g	62
1300150	Bio-Gel HT Hydroxyapatite, hydrated, 250 ml	69	1421251	AG 50W-X2 Resin, hydrogen, 200–400 mesh, 500 g	62
1300151	Bio-Gel HT Hydroxyapatite, hydrated, 500 ml	69	1421253	Chelex 100 Resin, mol. biol. grade, 200–400 mesh, 50 g	15
1300420	Bio-Gel HTP Hydroxyapatite, powder, 100 g	69	1421331	AG 50W-X4 Resin, hydrogen, 50–100 mesh, 500 g	62
1300520	Bio-Gel HTP Hydroxyapatite, DNA grade, 100 g	69	1421341	AG 50W-X4 Resin, hydrogen, 100–200 mesh, 500 g	62
1351001	ReadiLink 350/440 Antibody Labeling Kit	41	1421351	AG 50W-X4 Resin, hydrogen, 200–400 mesh, 500 g	62
1351002	ReadiLink FITC Antibody Labeling Kit	41	1421421	AG 50W-X8 Resin, hydrogen, 20–50 mesh, 500 g	62
1351003	ReadiLink 555/570 Antibody Labeling Kit	41	1421431	AG 50W-X8 Resin, hydrogen, 50–100 mesh, 500 g	62
1351004	ReadiLink 594/610 Antibody Labeling Kit	41	1421441	AG 50W-X8 Resin, hydrogen, 100–200 mesh, 500 g	62
1351005	ReadiLink 633/655 Antibody Labeling Kit	41	1421451	AG 50W-X8 Resin, hydrogen, 200–400 mesh, 500 g	62
1351006	ReadiLink 647/674 Antibody Labeling Kit	41	1421641	AG 50W-X12 Resin, hydrogen, 100–200 mesh, 500 g	62
1351007	ReadiLink 680/701 Antibody Labeling Kit	41	1421651	AG 50W-X12 Resin, hydrogen, 200–400 mesh, 500 g	62
1351008	ReadiLink 700/713 Antibody Labeling Kit	41	1422822	Chelex 100 Resin, sodium, 50–100 mesh, 500 g	62
1351009	ReadiLink 750/780 Antibody Labeling Kit	41	1422825	Chelex 100 Resin, iron, 100–200 mesh, 100 g	62
1351010	ReadiLink 790/811 Antibody Labeling Kit	41	1422832	Chelex 100 Resin, sodium, 100–200 mesh, 500 g	62
1351011	ReadiLink 405/454 Antibody Labeling Kit	41	1422842	Chelex 100 Resin, sodium, 200–400 mesh, 500 g	62
1351012	ReadiLink 405/508 Antibody Labeling Kit	41	1425822	Bio-Rex 70 Resin, sodium, 20–50 mesh, 500 g	62
1351013	ReadiLink 405/537 Antibody Labeling Kit	41	1425832	Bio-Rex 70 Resin, sodium, 50–100 mesh, 500 g	62
1351101	ReadiDrop Propidium Iodide	43	1425842	Bio-Rex 70 Resin, sodium, 100–200 mesh, 500 g	62
1351102	ReadiDrop 7AAD	43	1425852	Bio-Rex 70 Resin, sodium, 200–400 mesh, 500 g	62
1351111	VivaFix 353/442 Cell Viability Assay	42	1426424	AG 501-X8 Resin, H <sup>+</sup> + OH <sup>-</sup> , 20–50 mesh, 500 g	62
1351112	VivaFix 410/450 Cell Viability Assay	42	1426425	AG 501-X8(D) Resin, HH <sup>+</sup> + OH <sup>-</sup> , 20–50 mesh, 500 g	62
1351113	VivaFix 408/512 Cell Viability Assay	42	1427425	Bio-Rex MSZ 501(D) Resin, H <sup>+</sup> + OH <sup>-</sup> , 25–35 mesh, 500 g	62
1351114	VivaFix 398/550 Cell Viability Assay	42	1427834	AG 11 A8 Resin, self-adsorbed, 50–100 mesh, 500 g	62
1351115	VivaFix 498/521 Cell Viability Assay	42	143-6427	AG 501-X8(D) Resin, H <sup>+</sup> + OH <sup>-</sup> , 20–50 mesh, 10 kg	63
1351116	VivaFix 547/573 Cell Viability Assay	42	143-7428	AG 501-X8 Resin, H <sup>+</sup> + OH <sup>-</sup> , 20–50 mesh, 10 kg	63
1351117	VivaFix 583/603 Cell Viability Assay	42	1430841	AG MP-50 Resin, hydrogen, 100–200 mesh, 500 g	62
1351118	VivaFix 649/660 Cell Viability Assay	42	1431255	AG 1-X2 Resin, biotech. grade, 200–400 mesh, 100 g	64
1351201	CFDA-SE	44	1431345	AG 1-X4 Resin, biotech. grade, 100–200 mesh, 100 g	64
1351202	CytoTrack Blue 403/454	44	1432445	AG 1-X8 Resin, biotechnology grade	64
1351203	CytoTrack Green 511/525	44	1432446	AG 1-X8 Resin, biotech. grade, 200–400 mesh, 100 g	64
1351204	CytoTrack Orange 542/556	44	1432832	Chelex 100 Resin, biotech. grade, 100–200 mesh, 100 g	64
1351205	CytoTrack Red 628/643	44	1435241	AG 50W-X2 Resin, biotech. grade, 100–200 mesh, 100 g	64

# Catalog Number Index

bio-rad.com

Cat. #	Description	Page	Cat. #	Description	Page
1435341	AG 50W-X4 Resin, biotech. grade, 200–400 mesh, 100 g	64	1510450	Bio-Gel A 1.5 m Media, fine, 500 ml	86
1435441	AG 50W-X8 Resin, biotech. grade, 100–200 mesh, 100 g	64	1511901	Gel Filtration Standard, 6 vials	90
1435451	AG 50W-X8 Resin, biotech. grade, 200–400 mesh, 100 g	64	152-3922	Bio-Beads SM-2 Adsorbents, 1 kg	87
1435832	Bio-Rex 70 Resin, biotech. grade, 50–100 mesh, 100 g	64	1522150	Bio-Beads S-X1 Media, 100 g	86
1435852	Bio-Rex 70 Resin, biotech. grade, 200–400 mesh, 100 g	64	1522151	Bio-Beads S-X1 Media, 1 kg	86
1436424	AG 501-X8 Resin, mol. biol. grade, 20–50 mesh, 100 g	64	1522750	Bio-Beads S-X3 Media, 100 g	86
1436425	AG 501-X8(D) Resin, mol. biol. grade, 20–50 mesh, 100 g	64	1523350	Bio-Beads S-X8 Media, 100 g	86
1437424	AG 501-X8 Resin, biotech. grade, 20–50 mesh, 100 g	64	1523650	Bio-Beads S-X12 Media, 100 g	86
1437425	AG 501-X8(D) Resin, biotech. grade, 20–50 mesh, 100 g	64	1523920	Bio-Beads SM-2 Adsorbents, biotech. grade, 100 g	64
1437834	AG 11 A8 Resin, biotech. grade, 50–100 mesh, 100 g	64	1523923	Bio-Beads SM-2 Adsorbents, 10 kg	87
1441001	S3e Sheath Cap Assembly, white	36	1528920	Bio-Beads SM-2 Adsorbents, biotech. grade, 25 g	64
1441002	S3e DI Water Cap Assembly, blue	36	153-0023	Macro-Prep 25 Q Media, 1 L	60
1441003	S3e Waste Cap Assembly, red	36	153-0024	Macro-Prep 25 Q Media, 5 L	60
1441005	S3e Filter Block A, empty with 2 dichroic filter holders	36	153-0033	Macro-Prep 25 S Media, 1 L	60
1441006	S3e Filter Block B, empty with 2 dichroic filter holders	36	153-0034	Macro-Prep 25 S Media, 5 L	60
1441007	S3e Individual Filter Holder, black, empty	36	153-1000	Affi-Gel 10 Media, 1 L	83
1441008	Neutral Density Filter, 1.0	36	153-6104	Affi-Gel Boronate Media, 50 g	81
1441009	S3e Nozzle Tip, 100 µm	36	1530021	Macro-Prep 25 Q Media, 50 ml	60
1441010	S3e Nozzle O-Ring with Alignment Disk, 2-pack	36	1530022	Macro-Prep 25 Q Media, 200 ml	60
1441011	S3e Collection Adaptor Set	36	1530031	Macro-Prep 25 S Media, 50 ml	60
1441012	Hex Driver, 2 mm	36	1530032	Macro-Prep 25 S Media, 200 ml	60
1441013	S3e Individual Dichroic Filter Holder, empty	36	1530990	EDAC, 5 g	84
1450003	TC20 Counting Kit	31	1532401	Affi-Gel 102 Media, 50 ml	84
1450005	Thermal Label Printer	31	1536046	Affi-Gel 10 Media, 4 x 25 ml	83
1450007	Thermal Printer Labels	31	1536047	Affi-Gel Hz Hydrazide Media, 25 ml	84
1450013	TC20 Trypan Blue Dye	31	1536051	Affi-Gel 15 Media, 25 ml	83
1450014	System Test Kit	31	1536052	Affi-Gel 15 Media, 4 x 25 ml	83
1450015	Counting Slides, 150 dual-chamber slides	31	1536054	Affi-Gel Hz 10x Coupling Buffer Concentrate, 500 ml	84
1450016	Counting Slides, 300 dual-chamber slides	31	1536060	Affi-Gel Hz Immunoaffinity Kit	84
1450017	Counting Slides, 600 dual-chamber slides	31	1536098	Affi-Gel 10/15 Combination, 2 x 25 ml each	83
1450018	Counting Slides, 900 dual-chamber slides	31	1536099	Affi-Gel 10 Media, 25 ml	83
1450019	Counting Slides, 1,200 dual-chamber slides	31	1536103	Affi-Gel Boronate Media, 5 g	81
1450020	Counting Slides, 2,400 dual-chamber counting slides	31	1536153	Affi-Gel Protein A Media, 5 ml	79
1450021	Trypan Blue, 5 x 1.5 ml	31	1536154	Affi-Gel Protein A Media, 50 ml	79
1450022	Trypan Blue, 10 x 1.5 ml	31	1536159	Affi-Gel Protein A MAPS II Kit	79
1450031	ZOE Fluorescent Cell Imager	48	1536161	Protein A MAPS II Binding Buffer, makes 5 L	79
1450102	TC20 Automated Cell Counter, 120–240 V	31	1536173	Affi-Gel Heparin Media, 40 ml	82
1450103	TC20 Automated Cell Counter with Printer, 120–240 V	31	1537301	Affi-Gel Blue Media, 100 ml, 50–100 mesh	80
1451005	S3e Cell Sorter (488 nm), 488 nm 100 mW laser	36	1537302	Affi-Gel Blue Media, 100 ml, 100–200 mesh	80
1451006	S3e Cell Sorter (488/561 nm), 488 nm and 561 nm 100 mW lasers	36	1537304	CM Affi-Gel Blue Media, 100 ml	81
1451008	S3e Cell Sorter, 488 and 640 nm 100 mW lasers	36	1537307	DEAE Affi-Gel Blue Media, 100 ml	80
1451029	S3e Cell Sorter (488 nm) with S3e Biosafety System Class I	36	156-0022	Macro-Prep DEAE Media, 5 L	60
1451030	S3e Cell Sorter (488/561 nm) with S3 Biosafety System Class I	36	156-0023	Macro-Prep DEAE Media, 10 L	60
1451032	S3e Cell Sorter, with S3e Biosafety System Class I	36	156-0032	Macro-Prep High S Media, 5 L	60
1451065	S3e Accessory Kit	36	156-0033	Macro-Prep High S Media, 10 L	60
1451076	S3e Power Conditioner, international	36	156-0042	Macro-Prep High Q Media, 5 L	60
1451077	S3e Power Conditioner, U.S.	36	156-0043	Macro-Prep High Q Media, 10 L	60
1451078	S3e Biosafety System Class I	36	156-0073	Macro-Prep CM Media, 10 L	60
1451082	ProFlow 8x Sheath Fluid	36	156-0082	Macro-Prep Methyl HIC Media, 5 L	87
1451083	ProFlow Sort Grade Water	36	156-0083	Macro-Prep Methyl HIC Media, 10 L	87
1451084	S3e Fluidic Containers	36	156-0093	Macro-Prep t-Butyl HIC Media, 10 L	87
1451085	ProLine Rainbow Beads	36	156-0107	UNOsphere Q Media, 10 L	58
1451086	ProLine Universal Calibration Beads	36	156-0117	UNOsphere S Media, 10 L	58
150-0739	Bio-Gel P-6DG Media, 1 kg	85	156-0317	Nuvia S Media, 10 L	58
1500738	Bio-Gel P-6DG Media, 100 g	85	156-0417	Nuvia Q Media, 10 L	58
1504114	Bio-Gel P-2 Media, fine, 100 g	85	156-0517	Nuvia HR-S Media, 10 L	58
1504115	Bio-Gel P-2 Media, fine, 500 g	85	156-3404	Nuvia cPrime Media, 1 L	65
1504118	Bio-Gel P-2 Media, extra fine, 100 g	85	156-3405	Nuvia cPrime Media, 5 L	65
1504120	Bio-Gel P-4 Media, medium, 100 g	85	156-3406	Nuvia cPrime Media, 10 L	65
1504124	Bio-Gel P-4 Media, fine, 100 g	85	1560005	Affi-Prep Protein A Media, 25 ml	79
1504128	Bio-Gel P-4 Media, extra fine, 100 g	85	1560006	Affi-Prep Protein A Media, 5 ml	79
1504130	Bio-Gel P-6 Media, medium, 100 g	85	1560010	Affi-Prep Polymyxin Media, 25 ml	82
1504134	Bio-Gel P-6 Media, fine, 100 g	85	1560020	Macro-Prep DEAE Media, 100 ml	60
1504138	Bio-Gel P-6 Media, extra fine, 100 g	85	1560021	Macro-Prep DEAE Media, 500 ml	60
1504140	Bio-Gel P-10 Media, medium, 100 g	85	1560030	Macro-Prep High S Media, 100 ml	60
1504144	Bio-Gel P-10 Media, fine, 100 g	85	1560031	Macro-Prep High S Media, 500 ml	60
1504150	Bio-Gel P-30 Media, medium, 100 g	85	1560040	Macro-Prep High Q Media, 100 ml	60
1504154	Bio-Gel P-30 Media, fine, 100 g	85	1560041	Macro-Prep High Q Media, 500 ml	60
1504160	Bio-Gel P-60 Media, medium, 100 g	85	1560070	Macro-Prep CM Media, 100 ml	60
1504164	Bio-Gel P-60 Media, fine, 100 g	85	1560071	Macro-Prep CM Media, 500 ml	60
1504170	Bio-Gel P-100 Media, medium, 100 g	85	1560080	Macro-Prep Methyl HIC Media, 100 ml	87
1504174	Bio-Gel P-100 Media, fine, 100 g	85	1560081	Macro-Prep Methyl HIC Media, 500 ml	87

# Catalog Number Index

bio-rad.com

Cat. #	Description	Page	Cat. #	Description	Page
1560090	Macro-Prep t-Butyl HIC Media, 100 ml	87	1585200	CFT Ceramic Fluoroapatite, Type II, 40 µm, 10 g	68
1560091	Macro-Prep t-Butyl HIC Media, 500 ml	87	1588000	CHT Ceramic Hydroxyapatite, Type I, 80 µm, 10 g	66
1560101	UNOsphere Q Media, 25 ml	58	1588200	CHT Ceramic Hydroxyapatite, Type II, 80 µm, 10 g	66
1560103	UNOsphere Q Media, 100 ml	58	1610100	Acrylamide, 99.9%, 100 g	195
1560105	UNOsphere Q Media, 500 ml	58	1610101	Acrylamide, 99.9%, 500 g	195
1560111	UNOsphere S Media, 25 ml	58	1610103	Acrylamide, 99.9%, 2 kg	195
1560113	UNOsphere S Media, 100 ml	58	1610107	Acrylamide, 99.9%, 1 kg	195
1560115	UNOsphere S Media, 500 ml	58	1610108	Acrylamide, 99.9%, 5 kg	195
1560121	Profinity IMAC Uncharged Resin, 10 ml	72	1610120	Acrylamide/Bis, 19:1, 30 g	195
1560123	Profinity IMAC Uncharged Resin, 50 ml	72	1610121	Acrylamide/Bis, 29:1, 30 g	195
1560125	Profinity IMAC Uncharged Resin, 500 ml	72	1610122	Acrylamide/Bis, 37.5:1, 30 g	195
1560127	Profinity IMAC Uncharged Resin, 1 L	72	1610123	Acrylamide/Bis, 19:1, 150 g	195
1560131	Profinity IMAC Ni-Charged Resin, 10 ml	72	1610124	Acrylamide/Bis, 29:1, 150 g	195
1560133	Profinity IMAC Ni-Charged Resin, 25 ml	72	1610125	Acrylamide/Bis, 37.5:1, 150 g	195
1560135	Profinity IMAC Ni-Charged Resin, 100 ml	72	1610140	40% Acrylamide Solution, 500 ml	195
1560137	Profinity IMAC Ni-Charged Resin, 500 ml	72	1610141	40% Acrylamide Solution, 2 x 500 ml	195
1560200	Profinity Epoxide Media, 5 g	83	1610142	2% Bis Solution, 500 ml	195
1560201	Profinity Epoxide Media, 25 g	83	1610143	2% Bis Solution, 2 x 500 ml	195
1560218	UNOsphere SUPra Affinity Media, 25 ml	78	1610144	40% Acrylamide/Bis Solution, 19:1, 500 ml	195
1560219	UNOsphere SUPra Affinity Media, 100 ml	78	1610145	40% Acrylamide/Bis Solution, 19:1, 2 x 500 ml	195
1560220	UNOsphere SUPra Affinity Media, 500 ml	78	1610146	40% Acrylamide/Bis Solution, 29:1, 500 ml	195
1560311	Nuvia S Media, 25 ml	58	1610147	40% Acrylamide/Bis Solution, 29:1, 2 x 500 ml	195
1560313	Nuvia S Media, 100 ml	58	1610148	40% Acrylamide/Bis Solution, 37.5:1, 500 ml	195
1560315	Nuvia S Media, 500 ml	58	1610149	40% Acrylamide/Bis Solution, 37.5:1, 2 x 500 ml	195
1560411	Nuvia Q Media, 25 ml	58	1610154	30% Acrylamide/Bis Solution, 19:1, 500 ml	195
1560413	Nuvia Q Media, 100 ml	58	1610155	30% Acrylamide/Bis Solution, 19:1, 2 x 500 ml	195
1560415	Nuvia Q Media, 500 ml	58	1610156	30% Acrylamide/Bis Solution, 29:1, 500 ml	195
1560511	Nuvia HR-S Media, 25 ml	58	1610157	30% Acrylamide/Bis Solution, 29:1, 2 x 500 ml	195
1560513	Nuvia HR-S Media, 100 ml	58	1610158	30% Acrylamide/Bis Solution, 37.5:1, 500 ml	195
1560515	Nuvia HR-S Media, 500 ml	58	1610159	30% Acrylamide/Bis Solution, 37.5:1, 2 x 500 ml	195
1563002	Profinity eXact Supercoiled Expression Vector Kit	74	1610170	TGX Acrylamide Handcasting Solutions, 7.5%, 10 gel kit	194
1563004	Profinity eXact Antibody Reagent, 100 µl, 1 mg/ml	74	1610171	TGX Acrylamide Handcasting Solutions, 7.5%, 50 gel kit	194
1563005	Profinity eXact Purification Resin, 10 ml	74	1610172	TGX Acrylamide Handcasting Solutions, 10%, 10 gel kit	194
1563006	Profinity eXact Mini Spin Purification Starter Kit	74	1610173	TGX Acrylamide Handcasting Solutions, 10%, 50 gel kit	194
1563007	Profinity eXact Mini Spin Columns	74	1610174	TGX Acrylamide Handcasting Solutions, 12%, 10 gel kit	194
1563401	Nuvia cPrime Media, 25 ml	65	1610175	TGX Acrylamide Handcasting Solutions, 12%, 50 gel kit	194
1563402	Nuvia cPrime Media, 100 ml	65	1610180	TGX Stain-Free Acrylamide Handcasting Solutions, 7.5%, 10 gel kit	194
1563403	Nuvia cPrime Media, 500 ml	65	1610181	TGX Stain-Free Acrylamide Handcasting Solutions, 7.5%, 50 gel kit	194
157-0021	CHT Ceramic Hydroxyapatite, Type I, 20 µm, 1 kg	66	1610182	TGX Stain-Free Acrylamide Handcasting Solutions, 10%, 10 gel kit	194
157-0041	CHT Ceramic Hydroxyapatite, Type I, 40 µm, 1 kg	66	1610183	TGX Stain-Free Acrylamide Handcasting Solutions, 10%, 50 gel kit	194
157-0045	CHT Ceramic Hydroxyapatite, Type I, 40 µm, 5 kg	66	1610184	TGX Stain-Free Acrylamide Handcasting Solutions, 12%, 10 gel kit	194
157-0081	CHT Ceramic Hydroxyapatite, Type I, 80 µm, 1 kg	66	1610185	TGX Stain-Free Acrylamide Handcasting Solutions, 12%, 50 gel kit	194
157-0085	CHT Ceramic Hydroxyapatite, Type I, 80 µm, 5 kg	66	1610200	Bis Crosslinker, 5 g	196
157-0201	MPC Ceramic Hydroxyfluoroapatite, 40 µm, Type I, 1 kg	67	1610201	Bis Crosslinker, 50 g	196
157-0205	MPC Ceramic Hydroxyfluoroapatite, 40 µm, Type I, 5 kg	67	1610202	PDA Crosslinker, 10 g	196
157-2100	CHT Ceramic Hydroxyapatite, Type II, 20 µm, 1 kg	66	1610301	SDS, 100 g	197
157-4100	CHT Ceramic Hydroxyapatite, Type II, 40 µm, 1 kg	66	1610302	SDS, 1 kg	197
157-4500	CHT Ceramic Hydroxyapatite, Type II, 40 µm, 5 kg	66	1610303	SDS-PAGE Standards, high range, 200 µl	162
157-5100	CFT Ceramic Fluoroapatite, Type II, 40 µm, 1 kg	68	1610304	SDS-PAGE Standards, low range, 200 µl	162
157-5500	CFT Ceramic Fluoroapatite, Type II, 40 µm, 5 kg	68	1610305	Prestained SDS-PAGE Standards, low range, 500 µl	161
157-8100	CHT Ceramic Hydroxyapatite, Type II, 80 µm, 1 kg	66	1610309	Prestained SDS-PAGE Standards, high range, 500 µl	161
157-8500	CHT Ceramic Hydroxyapatite, Type II, 80 µm, 5 kg	66	1610310	IEF Standards, 250 µl	163
1570020	CHT Ceramic Hydroxyapatite, Type I, 20 µm, 100 g	66	1610317	SDS-PAGE Standards, broad range, 200 µl	162
1570040	CHT Ceramic Hydroxyapatite, Type I, 40 µm, 100 g	66	1610318	Prestained SDS-PAGE Standards, broad range, 500 µl	161
1570080	CHT Ceramic Hydroxyapatite, Type I, 80 µm, 100 g	66	1610320	2-D SDS-PAGE Standards, 500 µl	163
1570200	MPC Ceramic Hydroxyfluoroapatite, 40 µm, Type I, 100 g	67	1610323	Prep Cell Starter Kit Protein Standard, 1 ml	216
1572000	CHT Ceramic Hydroxyapatite, Type II, 20 µm, 100 g	66	1610324	Kaleidoscope Prestained Standards, 500 µl	161
1574000	CHT Ceramic Hydroxyapatite, Type II, 40 µm, 100 g	66	1610326	Polypeptide SDS-PAGE Standards, 200 µl	162
1575000	CFT Ceramic Fluoroapatite, Type II, 40 µm, 100 g	68	1610363	Precision Plus Protein Unstained Standards, 1 ml	160
1578000	CHT Ceramic Hydroxyapatite, Type II, 80 µm, 100 g	66	1610373	Precision Plus Protein All Blue Standards, 500 µl	160
1580020	Macro-Prep DEAE Media, 25 ml	60	1610374	Precision Plus Protein Dual Color Standards, 500 µl	160
1580030	Macro-Prep High S Media, 25 ml	60	1610375	Precision Plus Protein Kaleidoscope Standards, 500 µl	160
1580040	Macro-Prep High Q Media, 25 ml	60	1610376	Precision Plus Protein WesternC Standards, 250 µl	160
1580070	Macro-Prep CM Media, 25 ml	60	1610377	Precision Plus Protein Dual Xtra Standards, 500 µl	160
1580080	Macro-Prep Methyl HIC Media, 25 ml	87	1610378	Precision Plus Protein Standard Plugs, 24	160
1580090	Macro-Prep t-Butyl HIC Media, 25 ml	87	1610380	Precision Protein StrepTactin-HRP Conjugate, 300 µl	160
1580100	Media Sampler Pack	88	1610381	Precision Protein StrepTactin-HRP Conjugate, 125 µl	160
1580200	MPC Ceramic Hydroxyfluoroapatite, 40 µm, Type I, 10 g	67	1610382	Precision Protein StrepTactin-AP Conjugate, 300 µl	160
1582000	CHT Ceramic Hydroxyapatite, Type I, 20 µm, 10 g	66	1610385	Precision Plus Protein WesternC Pack	160
1582200	CHT Ceramic Hydroxyapatite, Type II, 20 µm, 10 g	66	1610393	Precision Plus Protein All Blue Standards Value Pack	160
1584000	CHT Ceramic Hydroxyapatite, Type I, 40 µm, 10 g	66	1610394	Precision Plus Protein Dual Color Standards Value Pack	160
1584200	CHT Ceramic Hydroxyapatite, Type II, 40 µm, 10 g	66	1610395	Precision Plus Protein Kaleidoscope Standards Value Pack	160



# Catalog Number Index

bio-rad.com

Cat. #	Description	Page	Cat. #	Description	Page
1610396	Precision Plus Protein Unstained Standards Value Pack	160	1610771	10x Tris/Glycine, 5 L.cube	173
1610397	Precision Plus Protein Dual Xtra Standards Value Pack	160	1610772	10x Tris/Glycine/SDS, 5 L.cube	173
1610398	Precision Plus Protein WesternC Pack, HRP Value Pack	160	1610773	50x Tris/Acetic Acid/EDTA (TAE), 5 L.cube	258
1610399	Precision Plus Protein WesternC Standards Value Pack	160	1610774	20x SSC, 1 L	264
1610400	Coomassie Brilliant Blue R-250, 10 g	200	1610775	20x SSC, 5 L.cube	264
1610404	Bromophenol Blue, 10 g	197	1610778	10x Tris/CAPS, 1 L	236
1610406	Coomassie Brilliant Blue G-250, 10 g	200	1610780	10x Phosphate Buffered Saline, 1 L	236
1610407	Triton X-100 Detergent, 500 ml	197	1610781	10% Tween 20, 1 L	197
1610416	SDS Solution, 10% (w/v), 250 ml	197	1610782	1x Tris Buffered Saline with 1% Casein, 1 L	236
1610418	SDS Solution, 20% (w/v), 1 L	197	1610783	1x Phosphate Buffered Saline with 1% Casein, 1 L	236
1610423	Xylene Cyanole FF, 25 g	197	1610786	Bio-Safe Coomassie Stain, 1 L	200
1610433	Ethidium Bromide Solution, 10 mg/ml, 10 ml	259	1610787	Bio-Safe Coomassie Stain, 5 L	200
1610435	Coomassie Brilliant Blue R-250 Staining Solutions Kit	200	1610788	XT MOPS Running Buffer, 500 ml	182
1610436	Coomassie Brilliant Blue R-250 Staining Solution, 1 L	200	1610789	XT MES Running Buffer, 500 ml	182
1610437	Coomassie Brilliant Blue R-250 Staining Solution, 4 x 1 L	200	1610790	XT Tricine Running Buffer, 500 ml	182
1610438	Coomassie Brilliant Blue R-250 Destaining Solution, 1 L	200	1610791	XT Sample Buffer, 10 ml	182
1610439	Coomassie Brilliant Blue R-250 Destaining Solution, 4 x 1 L	200	1610792	XT Reducing Agent, 1 ml	182
1610443	Silver Stain Kit	201	1610793	XT MOPS Buffer Kit	182
1610444	Oxidizer Concentrate, 480 ml	201	1610796	XT MES Buffer Kit	182
1610445	Silver Reagent Concentrate, 480 ml	201	1610797	XT Tricine Buffer Kit	182
1610447	Silver Stain Developer, 4 x 115 g	201	1610798	Resolving Gel Buffer, 1.5 M Tris-HCl, pH 8.8, 1 L	193
1610448	Development Accelerator Reagent, 50 g	200	1610799	Stacking Gel Buffer, 0.5 M Tris-HCl, pH 6.8, 1 L	193
1610449	Silver Stain Plus Kit	200	1610800	TEMED, 5 ml	196
1610450	Silver Stain Developer, 115 g	201	1610801	TEMED, 50 ml	196
1610460	CHAPS, 1 g	197	1610803	QC Colloidal Coomassie Stain	200
1610461	Fixative Enhancer Concentrate, 1 L	200	1610992	Ready Gel Key Knife	173
1610462	Silver Complex Solution, 100 ml	200	1611103	Ready Gel Tris-HCl Gel, 15%, 10-well, 30 µl	172
1610463	Reduction Moderator Solution, 100 ml	200	1611105	Ready Gel Tris-HCl Gel, 4-20%, 10-well, 30 µl	172
1610464	Image Development Reagent, 100 ml	200	1611112	Ready Gel IEF Gels, pH 3-10	172
1610480	Dodeca Silver Stain Kit, Large	183	1611115	Ready Gel TBE-Urea Gel, 5%, 10-well, 30 µl	172
1610481	Dodeca Silver Stain Kit, small	183	1611122	Ready Gel Tris-HCl Gel, 4-15%, 15-well, 15 µl	172
1610490	Flamingo Fluorescent Gel Stain, 10x, 20 ml	202	1611123	Ready Gel Tris-HCl Gel, 4-20%, 15-well, 15 µl	172
1610491	Flamingo Fluorescent Gel Stain, 10x, 100 ml	202	1611124	Ready Gel Tris-HCl Gel, 10-20%, 15-well, 15 µl	172
1610492	Flamingo Fluorescent Gel Stain, 10x, 500 ml	202	1611154	Ready Gel Tris-HCl Gel, 7.5%, 10-well, 50 µl	172
1610495	Oriole Fluorescent Gel Stain, 1x solution, 200 ml	202	1611155	Ready Gel Tris-HCl Gel, 10%, 10-well, 50 µl	172
1610496	Oriole Fluorescent Gel Stain, 1x solution, 1 L	202	1611156	Ready Gel Tris-HCl Gel, 12%, 10-well, 50 µl	172
1610497	Oriole Fluorescent Gel Stain, 1x solution, 5 L	202	1611157	Ready Gel Tris-HCl Gel, 15%, 10-well, 50 µl	172
1610501	Riboflavin-5'-Phosphate	196	1611158	Ready Gel Tris-HCl Gel, 4-15%, 10-well, 50 µl	172
1610610	Dithiothreitol (DTT), 1 g	208	1611159	Ready Gel Tris-HCl Gel, 4-20%, 10-well, 50 µl	172
1610611	Dithiothreitol (DTT), 5 g	5	1611160	Ready Gel Tris-HCl Gel, 10-20%, 10-well, 50 µl	172
1610620	DATD Crosslinker, 25 g	196	1611167	Ready Gel Zymogram Gel, 10%, gelatin, 10-well, 50 µl	172
1610700	Ammonium Persulfate (APS), 10 g	196	1611168	Ready Gel Zymogram Gel, 12%, casein, 10-well, 50 µl	172
1610710	2-Mercaptoethanol, 25 ml	236	1611213	Ready Gel Tris-HCl Gel, 5%, 10-well, 50 µl	172
1610713	Tricine, 500 g	236	1611219	Ready Gel Tris-HCl Gel, 18%, 10-well, 50 µl	172
1610716	Tris, 500 g	236	1613000	ReadyAgarose Instruction Manual	252
1610717	Glycine, 250 g	236	1613004	Mini ReadyAgarose Gel, TBE, 1.0% + EtBr, 8-well	252
1610718	Glycine, 1 kg	236	1613006	Mini ReadyAgarose Gel, TBE, 3.0% + EtBr, 8-well	252
1610719	Tris, 1 kg	208	1613010	Mini ReadyAgarose Gel, TBE, 1.0% + EtBr, 12-well	252
1610722	Bio-Rad Cleaning Concentrate, 50x, 1 kg	191	1613012	Mini ReadyAgarose Gel, TBE, 3.0% + EtBr, 12-well	252
1610729	EDTA, 500 g	236	1613015	Mini ReadyAgarose Gel, TAE, 1.0%, 8-well	252
1610730	Urea, 250 g	236	1613016	Mini ReadyAgarose Gel, TAE, 1.0% + EtBr, 8-well	252
1610731	Urea, 1 kg	208	1613017	Mini ReadyAgarose Gel, TAE, 3.0%, 8-well	252
1610732	10x Tris/Glycine/SDS, 1 L	170	1613018	Mini ReadyAgarose Gel, TAE, 3.0% + EtBr, 8-well	252
1610733	10x Tris/Boric Acid/EDTA (TBE), 1 L	193	1613022	Mini ReadyAgarose Gel, TAE, 1.0% + EtBr, 12-well	252
1610734	10x Tris/Glycine, 1 L	170	1613024	Mini ReadyAgarose Gel, TAE, 3.0% + EtBr, 12-well	252
1610737	Laemmli Sample Buffer, 1x, 30 ml	170	1613028	Wide Mini ReadyAgarose Gel, TBE, 1.0% + EtBr, 20-well	252
1610738	Native Sample Buffer, 30 ml	170	1613030	Wide Mini ReadyAgarose Gel, TBE, 3.0% + EtBr, 20-well	252
1610739	Tricine Sample Buffer, 30 ml	173	1613034	Wide Mini ReadyAgarose Gel, TBE, 1.0% + EtBr, 32-well	252
1610741	10x Tris/Boric Acid/EDTA (TBE), extended range, 1 L	193	1613036	Wide Mini ReadyAgarose Gel, TBE, 3.0% + EtBr, 32-well	252
1610743	50x Tris/Acetic Acid/EDTA (TAE), 1 L	193	1613038	Wide Mini ReadyAgarose Gel, TBE, 1.0% + EtBr, 2 x 32-well	252
1610744	10x Tris/Tricine/SDS, 1 L	173	1613040	Wide Mini ReadyAgarose Gel, TBE, 3.0% + EtBr, 2 x 32-well	252
1610747	4x Laemmli Sample Buffer, 10 ml	170	1613044	Wide Mini ReadyAgarose Gel, TAE, 1.0% + EtBr, 20-well	252
1610752	Gel Drying Solution, 1 L	198	1613046	Wide Mini ReadyAgarose Gel, TAE, 3.0% + EtBr, 20-well	252
1610761	10x IEF Anode Buffer, 250 ml	173	1613050	Wide Mini ReadyAgarose Gel, TAE, 1.0% + EtBr, 32-well	252
1610762	10x IEF Cathode Buffer, 1 L	173	1613052	Wide Mini ReadyAgarose Gel, TAE, 3.0% + EtBr, 32-well	252
1610763	IEF Sample Buffer, 30 ml	173	1613054	Wide Mini ReadyAgarose Gel, TAE, 1.0% + EtBr, 2 x 32-well	252
1610764	Zymogram Sample Buffer, 30 ml	173	1613056	Wide Mini ReadyAgarose Gel, TAE, 3.0% + EtBr, 2 x 32-well	252
1610765	10x Zymogram Renaturation Buffer, 125 ml	173	1613057	Mini ReadyAgarose Gel, TAE, 1.0%, 2 x 8-well	252
1610766	10x Zymogram Development Buffer, 125 ml	173	1613060	ReadyAgarose 96 Plus Gel, TBE, 1% + EtBr, 4 x 26-well	252
1610767	Nucleic Acid Sample Buffer, 5x, 30 ml	173	1613062	ReadyAgarose 96 Plus Gel, TBE, 3% + EtBr, 4 x 26-well	252
1610768	TBE/Urea Sample Buffer, 30 ml	173	1613063	ReadyAgarose 96 Plus Gel, TAE, 1% + EtBr, 4 x 26-well	252
1610770	10x Tris/Boric Acid/EDTA (TBE), 5 L.cube	173	1613065	ReadyAgarose 96 Plus Gel, TAE, 3% + EtBr, 4 x 26-well	252

Cat. #	Description	Page	Cat. #	Description	Page
1613100	Certified Molecular Biology Agarose, 25 g	258	1620190	Zeta-Probe GT Membranes, 9 x 12 cm, 15	234
1613101	Certified Molecular Biology Agarose, 125 g	258	1620191	Zeta-Probe GT Membranes, 10 x 15 cm, 15	235
1613102	Certified Molecular Biology Agarose, 500 g	258	1620192	Zeta-Probe GT Membranes, 15 x 15 cm, 15	235
1613103	Certified PCR Agarose, 25 g	261	1620193	Zeta-Probe GT Membranes, 15 x 20 cm, 15	235
1613104	Certified PCR Agarose, 125 g	261	1620194	Zeta-Probe GT Membranes, 20 x 20 cm, 15	235
1613105	Certified PCR Agarose, 500 g	261	1620195	Zeta-Probe GT Membranes, 20 x 25 cm, 3	235
1613106	Certified Low Range Ultra Agarose, 25 g	261	1620196	Zeta-Probe GT Membrane, 30 cm x 3.3 m roll	234
1613107	Certified Low Range Ultra Agarose, 125 g	261	1620197	Zeta-Probe GT Membrane, 20 cm x 3.3 m roll	234
1613108	Certified Megabase Agarose, 25 g	258	1620206	Zeta-Probe Membranes, 7 x 10 cm, 15	234
1613109	Certified Megabase Agarose, 125 g	258	1620208	Zeta-Probe GT Membranes, 7 x 10 cm, 15	234
1613110	Certified Megabase Agarose, 500 g	258	1620212	Nitrocellulose Sandwiches, 0.2 µm, 7 x 8.4 cm, 20	233
1613111	Certified Low-Melt Agarose, 25 g	261	1620213	Nitrocellulose Sandwiches, 0.2 µm, 7 x 8.4 cm, 50	233
1613112	Certified Low-Melt Agarose, 125 g	261	1620214	Nitrocellulose Sandwiches, 0.45 µm, 7 x 8.4 cm, 20	233
1613113	Certified PCR Low-Melt Agarose, 25 g	261	1620215	Nitrocellulose Sandwiches, 0.45 µm, 7 x 8.4 cm, 50	233
1613114	Certified PCR Low-Melt Agarose, 125 g	261	1620218	Immun-Blot PVDF Sandwiches, 7 x 8.4 cm, 20	234
1613115	Certified PCR Low-Melt Agarose, 500 g	261	1620219	Immun-Blot PVDF Sandwiches, 7 x 8.4 cm, 50	234
1614011	SureBeads Protein A Magnetic Beads, 1 x 3 ml vial	2	1620232	Nitrocellulose Sandwiches, 0.2 µm, 8.5 x 13.5 cm, 20	233
1614013	SureBeads Protein A Magnetic Beads, 1 x 3 ml vial	2	1620233	Nitrocellulose Sandwiches, 0.2 µm, 8.5 x 13.5 cm, 50	233
1614021	SureBeads Protein G Magnetic Beads, 1 x 1 ml vial	2	1620234	Nitrocellulose Sandwiches, 0.45 µm, 8.5 x 13.5 cm, 20	233
1614023	SureBeads Protein G Magnetic Beads, 1 x 3 ml vial	2	1620235	Nitrocellulose Sandwiches, 0.45 µm, 8.5 x 13.5 cm, 50	233
1614811	SureBeads Trial Kit Protein A, 1 x 1 ml vial, 4-tube magnetic rack	2	1620237	Sequi-Blot PVDF Sandwiches, 8.5 x 13.5 cm, 50	234
1614813	SureBeads Starter Kit Protein A, 2 x 3 ml vials, 16-tube magnetic rack	2	1620238	Immun-Blot PVDF Sandwiches, 8.5 x 13.5 cm, 20 pack	234
1614821	SureBeads Trial Kit Protein G, 1 x 1 ml vial, 4-tube magnetic rack	2	1620239	Immun-Blot PVDF Sandwiches, 8.5 x 13.5 cm, 50 pack	234
1614823	SureBeads Starter Kit Protein G, 2 x 3 ml vials, 16-tube magnetic rack	2	1620251	Nitrocellulose Membranes, 0.45 µm, 26.5 x 28 cm, 10	233
1614833	SureBeads Starter Kit Protein A and G, 16-tube magnetic rack	2	1620252	Nitrocellulose Membranes, 0.2 µm, 26.5 x 28 cm, 10	233
1614916	16-Tube SureBeads Magnetic Rack, with separable magnets	2	1620255	Immun-Blot PVDF Membranes, 25 x 28 cm, 10	234
1615100	SDS-PAGE Reagent Starter Kit	195	1620260	Low-Fluorescence PVDF/Filter Paper Sandwich, 7 x 8.4 cm, 10	234
1615101	Prep Cell Starter Kit	216	1620261	Low-Fluorescence PVDF/Filter Paper Sandwich, 7 x 8.4 cm, 20	234
1620022	Zero-mr Agarose, 10 g	197	1620262	Low-Fluorescence PVDF/Filter Paper Sandwich, 8.5 x 13.5 cm, 10	234
1620070	Supp. Nitrocellulose Membranes, 0.45 µm, 8.5 x 13.5 cm, 10	233	1620263	Low-Fluorescence PVDF/Filter Paper Sandwich, 8.5 x 13.5 cm, 20	234
1620071	Supp. Nitrocellulose Membranes, 0.2 µm, 8.5 x 13.5 cm, 10	233	1620264	Low-Fluorescence PVDF Roll, 28 x 3.8 cm, 1 roll	234
1620090	Supp. Nitrocellulose Membranes, 0.45 µm, 7 x 8.4 cm, 10	233	1631112	Bio-Lyte 3/10 Ampholyte, 40%, 10 ml	198
1620094	Supp. Nitrocellulose Membrane, 0.45 µm, 30 cm x 3 m roll	233	1631113	Bio-Lyte 3/10 Ampholyte, 40%, 25 ml	198
1620095	Supp. Nitrocellulose Membranes, 0.2 µm, 7 x 8.4 cm, 10	233	1631132	Bio-Lyte 3/5 Ampholyte, 20%, 10 ml	198
1620097	Supp. Nitrocellulose Membrane, 0.2 µm, 30 cm x 3 m roll	233	1631142	Bio-Lyte 4/6 Ampholyte, 40%, 10 ml	198
1620100	Standard Low-mr Agarose, 100 g	197	1631143	Bio-Lyte 4/6 Ampholyte, 40%, 25 ml	198
1620102	Standard Low-mr Agarose, 500 g	197	1631152	Bio-Lyte 5/7 Ampholyte, 40%, 10 ml	198
1620112	Nitrocellulose Membrane, 0.2 µm, 30 cm x 3.5 m roll	233	1631153	Bio-Lyte 5/7 Ampholyte, 40%, 25 ml	198
1620113	Nitrocellulose Membranes, 0.45 µm, 20 x 20 cm, 5	233	1631162	Bio-Lyte 6/8 Ampholyte, 40%, 10 ml	198
1620114	Nitrocellulose Membranes, 0.45 µm, 15 x 9.2 cm, 10	233	1631163	Bio-Lyte 6/8 Ampholyte, 40%, 25 ml	198
1620115	Nitrocellulose Membrane, 0.45 µm, 30 cm x 3.5 m roll	233	1631172	Bio-Lyte 7/9 Ampholyte, 40%, 10 ml	198
1620116	Nitrocellulose Membranes, 0.45 µm, 15 x 15 cm, 10	233	1631182	Bio-Lyte 8/10 Ampholyte, 20%, 10 ml	198
1620117	Nitrocellulose Membranes, 0.45 µm, 9 x 12 cm, 10	233	1631192	Bio-Lyte 5/8 Ampholyte, 40%, 10 ml	198
1620118	Thin Blot Paper, 33 cm x 3 m roll	235	1631193	Bio-Lyte 5/8 Ampholyte, 40%, 25 ml	198
1620137	Pulsed Field Certified Agarose, 100 g	258	1632000	ReadyStrip IPG Strips, pH 3-10, 7 cm, 12	206
1620138	Pulsed Field Certified Agarose, 500 g	258	1632001	ReadyStrip IPG Strips, pH 4-7, 7 cm, 12	206
1620145	Nitrocellulose Membranes, 0.45 µm, 7 x 8.4 cm, 10	233	1632002	ReadyStrip IPG Strips, pH 3-10 nonlinear, 7 cm, 12	206
1620146	Nitrocellulose Membranes, 0.2 µm, 7 x 8.4 cm, 10	233	1632003	ReadyStrip IPG Strips, pH 3-6, 7 cm, 12	206
1620147	Nitrocellulose Membranes, 0.2 µm, 13.5 x 16.5 cm, 10	233	1632004	ReadyStrip IPG Strips, pH 5-8, 7 cm, 12	206
1620148	Nitrocellulose Membranes, 0.45 µm, 11.5 x 16 cm, 10	233	1632005	ReadyStrip IPG Strips, pH 7-10, 7 cm, 12	206
1620150	Nitrocellulose Membranes, 0.2 µm, 20 x 20 cm, 5	233	1632007	ReadyStrip IPG Strips, pH 3-10, 17 cm, 12	206
1620153	Zeta-Probe Membranes, 9 x 12 cm, 15	234	1632008	ReadyStrip IPG Strips, pH 4-7, 17 cm, 12	206
1620154	Zeta-Probe Membranes, 10 x 15 cm, 15	235	1632009	ReadyStrip IPG Strips, pH 3-10 nonlinear, 17 cm, 12	206
1620155	Zeta-Probe Membranes, 15 x 15 cm, 15	235	1632010	ReadyStrip IPG Strips, pH 3-6, 17 cm, 12	206
1620156	Zeta-Probe Membranes, 15 x 20 cm, 15	235	1632011	ReadyStrip IPG Strips, pH 5-8, 17 cm, 12	206
1620157	Zeta-Probe Membranes, 20 x 20 cm, 15	235	1632012	ReadyStrip IPG Strips, pH 7-10, 17 cm, 12	206
1620158	Zeta-Probe Membranes, 20 x 25 cm, 3	235	1632014	ReadyStrip IPG Strips, pH 3-10, 11 cm, 12	206
1620159	Zeta-Probe Membranes, 30 cm x 3.3 m roll	234	1632015	ReadyStrip IPG Strips, pH 4-7, 11 cm, 12	206
1620161	Bio-Dot/Bio-Dot SF Filter Paper, 11.3 x 7.7 cm, 60 sheets	230	1632016	ReadyStrip IPG Strips, pH 3-10 nonlinear, 11 cm, 12	206
1620162	C/P Lift Membrane Disks, 85 mm, 50	235	1632017	ReadyStrip IPG Strips, pH 3-6, 11 cm, 12	206
1620165	Zeta-Probe Membrane, 20 cm x 3.3 m roll	234	1632018	ReadyStrip IPG Strips, pH 5-8, 11 cm, 12	206
1620167	Nitrocellulose Membranes, 0.45 µm, 8.5 x 13.5 cm, 10	233	1632019	ReadyStrip IPG Strips, pH 7-10, 11 cm, 12	206
1620168	Nitrocellulose Membranes, 0.2 µm, 8.5 x 13.5 cm, 10	233	1632032	ReadyStrip IPG Strips, pH 3-10, 18 cm, 12	206
1620174	Immun-Blot PVDF Membranes, 7 x 8.4 cm, 10	234	1632033	ReadyStrip IPG Strips, pH 3-10 nonlinear, 18 cm, 12	206
1620175	Immun-Blot PVDF Membranes, 10 x 15 cm, 10	234	1632034	ReadyStrip IPG Strips, pH 4-7, 18 cm, 12	206
1620176	Immun-Blot PVDF Membranes, 20 x 20 cm, 10	234	1632035	ReadyStrip IPG Strips, pH 3-6, 18 cm, 12	206
1620177	Immun-Blot PVDF Membrane, 26 cm x 3.3 m roll	234	1632036	ReadyStrip IPG Strips, pH 5-8, 18 cm, 12	206
1620180	Sequi-Blot PVDF Membranes, 10 x 15 cm, 10	234	1632037	ReadyStrip IPG Strips, pH 7-10, 18 cm, 12	206
1620181	Sequi-Blot PVDF Membranes, 15 x 15 cm, 10	234	1632042	ReadyStrip IPG Strips, pH 3-10, 24 cm, 12	206
1620182	Sequi-Blot PVDF Membranes, 20 x 20 cm, 10	234	1632043	ReadyStrip IPG Strips, pH 3-10 nonlinear, 24 cm, 12	206
1620184	Sequi-Blot PVDF Membrane, 26 x 3.3 m roll	234	1632044	ReadyStrip IPG Strips, pH 4-7, 24 cm, 12	206
1620186	Sequi-Blot PVDF Membranes, 7 x 8.4 cm, 10	234	1632045	ReadyStrip IPG Strips, pH 3-6, 24 cm, 12	206

# Catalog Number Index

bio-rad.com

Cat. #	Description	Page	Cat. #	Description	Page
1632046	ReadyStrip IPG Strips, pH 5–8, 24 cm, 12	206	1646107	PROTEAN i12 7 cm Focusing Tray	203
1632047	ReadyStrip IPG Strips, pH 7–10, 24 cm, 12	206	1646111	PROTEAN i12 11 cm Focusing Tray	203
1632083	ReadyPrep 2-D Rehydration/Sample Buffer 1	5	1646113	PROTEAN i12 13 cm Focusing Tray	203
1632084	ReadyPrep Protein Extraction Kit (Membrane II)	5	1646117	PROTEAN i12 17 cm Focusing Tray	203
1632085	ReadyPrep Protein Extraction Kit (Soluble/Insoluble)	6	1646118	PROTEAN i12 18 cm Focusing Tray	203
1632086	ReadyPrep Protein Extraction Kit (Total Protein)	3	1646124	PROTEAN i12 24 cm Focusing Tray	203
1632087	ReadyPrep Protein Extraction Kit (Signal)	6	1646313	i12 13 cm Rehydration/Equilibration Tray	203
1632088	ReadyPrep Protein Extraction Kit (Membrane I)	6	1650921	Thick Blot Paper, 18 x 34 cm, 25 sheets	219
1632089	ReadyPrep Protein Extraction Kit (Cytoplasmic/Nuclear)	6	1650922	Cellophane Membrane Backing, 18 x 34 cm, 50 sheets	219
1632090	ReadyPrep Reduction-Alkylation Kit	5	1650959	Sequencing Gel Filter Paper, 35 x 45 cm, 25 sheets	219
1632091	ReadyPrep Proteomics Grade Water, 500 ml	5	1650962	Filter Paper Backing, 35 x 45 cm, 25 sheets	219
1632092	PROTEAN Plus Proteomics Grade Overlay Agarose, 125 ml	208	1650963	Cellophane Membrane Backing, 35 x 45 cm, 50 sheets	219
1632093	ReadyStrip 100x pH 7–10 Buffer	206	1651270	Whole Gel Eluter Template	217
1632094	Bio-Lyte 3/10 Ampholyte, 100x, 1 ml	206	1651275	Cellophane, for whole gel eluter, 25 sheets	217
1632099	ReadyStrip Instruction Manual	206	1651276	Cellophane, for mini whole gel eluter, 25 sheets	217
1632100	ReadyPrep Sequential Extraction Kit	5	1651277	Sealing Tabs, for whole gel eluter, 50	217
1632101	Tributylphosphine (TBP), 200 mM, 0.6 ml	5	1651278	Sealing Tabs, for mini whole gel eluter, 50	217
1632102	ReadyPrep Sequential Extraction Kit Reagent 1	5	1651279	Roller	226
1632103	ReadyPrep Sequential Extraction Kit Reagent 2	5	1651280	Lower Chamber Filter Paper, whole gel eluter, 75 sheets	217
1632104	ReadyPrep Sequential Extraction Kit Reagent 3	5	1651281	Upper Chamber Filter Paper, whole gel eluter, 50 sheets	217
1632105	ReadyPrep 2-D Starter Kit	5	1651282	Lower Chamber Filter Paper, mini whole gel eluter, 50 sheets	217
1632106	ReadyPrep 2-D Starter Kit Rehydration/Sample Buffer	5	1651283	Upper Chamber Filter Paper, mini whole gel eluter, 50 sheets	217
1632107	ReadyPrep 2-D Starter Kit Equilibration Buffer I, with DTT	208	1651745	Model 583 Gel Dryer, 100/120 V	219
1632108	ReadyPrep 2-D Starter Kit Equilibration Buffer II, no DTT	208	1651746	Model 583 Gel Dryer, 220/240 V	219
1632109	Iodoacetamide, 30 g	5	1651747	Model 583 Gel Dryer Porous Gel Support	219
1632110	<i>E. coli</i> Protein Sample, lyophilized, 2.7 mg	207	1651748	Model 583 Gel Dryer Transparent Sealing Gasket	219
1632111	ReadyPrep Proteomics Grade Overlay Agarose, 50 ml	208	1651771	GelAir Drying System 115 V, 60 Hz	220
1632129	Mineral Oil, 500 ml	204	1651772	GelAir Drying System 230 V, 50 Hz	220
1632130	ReadyPrep 2-D Cleanup Kit, 50 reaction size	5	1651775	GelAir Drying Frames, 2	220
1632140	ReadyPrep 2-D Cleanup Kit, 5 preps	5	1651776	GelAir Assembly Table	220
1632141	MicroRotor Cell Lysis Kit (Mammal), 15 preps	4	1651777	GelAir Dryer, gel drying oven only, 115 V, 60 Hz	220
1632142	MicroRotor Cell Lysis Kit (Plant), 10 preps	4	1651778	GelAir Dryer, gel drying oven only, 230 V, 50 Hz	220
1632143	MicroRotor Cell Lysis Kit (Yeast), 15 preps	4	1651779	GelAir Cellophane Support, 50 precut sheets	220
1632144	MicroRotor Cell Lysis Kit (Bacterial), 15 preps	4	1651780	GelAir Drying Frame Clamps, 8	220
1632145	Protein Solubilization Buffer, makes 50 ml solution	4	1651781	HydroTech Vacuum Pump, 100/120 V	219
1632146	ReadyPrep Mini Grinders, 20	4	1651782	HydroTech Vacuum Pump, 220/240 V	219
1633003	ProteoMiner Sequential Elution Reagents, 10 preps	8	1651783	Quick Disconnect Fitting, fits 1/4" ID tubing	219
1633006	ProteoMiner Protein Enrichment Small-Capacity Kit	8	1651784	Quick Disconnect Fitting, fits 3/8" ID tubing	219
1633007	ProteoMiner Protein Enrichment Large-Capacity Kit	8	1651785	Vacuum Tubing, for HydroTech pump, 2 m	219
1633008	ProteoMiner Protein Enrichment Introductory Small-Capacity Kit	8	1651786	Drain Tubing, 2 m	219
1633009	ProteoMiner Protein Enrichment Introductory Large-Capacity Kit	8	1651787	3-Way Stopcock	219
1633010	ProteoMiner Sequential Elution Small-Capacity Kit	8	1651788	HydroTech Vacuum Gauge	219
1633011	ProteoMiner Sequential Elution Large-Capacity Kit	8	1651789	HydroTech Gel Drying System, 100/120 V	219
1640300	Mini-Sub Cell GT Cell and PowerPac Basic Power Supply	246	1651790	HydroTech Gel Drying System, 220/240 V	219
1640301	Wide Mini-Sub Cell GT Cell and PowerPac Basic Power Supply	247	1651791	Anti-Foam Agent, 100 ml	219
1640302	Sub-Cell GT Cell and PowerPac Basic Power Supply	248	1651796	Double-Up Gel Dryer Rack	219
1640303	Mini ReadySub-Cell GT Cell and PowerPac Basic Power Supply	246	1651797	Double-Up Gel Dryer System, 100/120 V	219
1640304	Wide Mini ReadySub-Cell GT Cell, PowerPac Basic Power Supply	247	1651798	Double-Up Gel Dryer System, 220/240 V	219
1640305	Sub-Cell Model 96 Cell and PowerPac Basic Power Supply	250	1651801	PROTEAN II xi Cell, 16 cm (no spacers or combs)	185
1640306	Sub-Cell Model 192 Cell and PowerPac Basic Power Supply	251	1651802	PROTEAN II xi Cell, 16 cm, 1.5 mm spacers, 15-well	185
1645050	PowerPac Basic Power Supply	155	1651803	PROTEAN II xi Cell, 16 cm, 1.0 mm spacers, 15-well	185
1645052	PowerPac HC Power Supply	155	1651804	PROTEAN II xi Cell, 16 cm, 0.75 mm spacers, 15-well	185
1645056	PowerPac HV Power Supply	155	1651806	Central Cooling Core	187
1645059	PowerPac HV Power Supply with Temperature Probe	155	1651807	Buffer Tank	187
1645062	PowerPac Adaptor, 2 mm	156	1651808	Cell Lid, with power cables	187
1645064	PowerPac Adaptor, 4 mm	156	1651811	PROTEAN II xi Cell, 20 cm (no spacers or combs)	185
1645069	PowerPac Universal IQ/OQ Protocol Binder and Test Box	156	1651812	PROTEAN II xi Cell, 20 cm, 1.5 mm spacers, 15-well	185
1645070	PowerPac Universal Power Supply	156	1651813	PROTEAN II xi Cell, 20 cm, 1.0 mm spacers, 15-well	185
1645097	PowerPac Data Transfer Software	155	1651814	PROTEAN II xi Cell, 20 cm, 0.75 mm spacers, 15-well	185
1645099	PowerPac HV IQ/OQ Protocol Binder	155	1651815	PROTEAN II xi Cell 2-D Conversion Kit	185
1646000	PROTEAN i12 IEF system	203	1651821	PROTEAN II xi Inner Plates, 16 cm, 16 x 20 cm, 2	187
1646001	PROTEAN i12 IEF Cell	203	1651822	PROTEAN II xi Outer Plates, 16 cm, 18.3 x 20 cm, 2	187
1646010	Electrode Assembly Pair	204	1651823	PROTEAN II xi/XL Inner Plates, 20 cm, 20 x 20 cm, 2	187
1646011	Positive Electrode Assembly	204	1651824	PROTEAN II xi/XL Outer Plates, 20 cm, 22.3 x 20 cm, 2	187
1646012	Negative Electrode Assembly	204	1651825	PROTEAN II xi Frosted Inner Plates, 16 x 20 cm, 2	187
1646020	i12 Sample Cup Holder, with 25 pack of sample cups	203	1651826	PROTEAN II xi Frosted Inner Plates, 20 x 20 cm, 2	187
1646021	i12 Sample Cups, 25 pack	203	1651827	Beveled Inner Glass Plates, for PROTEAN II xi cell, 16 x 20 cm, 2	210
1646030	Gel-Side Up Electrode Wicks, 100 pack	203	1651828	Beveled Inner Glass Plates, for PROTEAN II xi cell, 20 x 20 cm, 2	210
1646031	Gel-Side Down Electrode Wicks, 500 pack	204	1651832	PROTEAN II xi Notched Inner Plate, 16 x 20 cm	187
1646040	IPG Strip Retainers, 2 pack	203	1651833	PROTEAN II xi Notched Inner Plate, 20 x 20 cm	187
1646050	Stylus, 3 pack	204	1651834	PROTEAN II xi Basic Unit with Casting Stand	185
1646060	USB Flash Drive, 2 pack	204	1651835	PROTEAN II XL Sandwich Clamps, 20 cm set	187



# Catalog Number Index

bio-rad.com

Cat. #	Description	Page	Cat. #	Description	Page
1651836	PROTEAN II XL IPG Spacers, 20 cm, 1.0 mm	187	1652020	Model 225 Tube Gel Casting Stand	211
1651837	PROTEAN II XL IPG Spacers, 20 cm, 2.0 mm	187	1652024	PROTEAN II XL Multi-Gel Casting Chamber	188
1651838	PROTEAN II XL IPG Comb, 1.0 mm	187	1652025	PROTEAN II xi Multi-Gel Casting Chamber	188
1651839	PROTEAN II XL IPG Comb, 2.0 mm	187	1652026	Sealing Gaskets, 3	188
1651840	PROTEAN II XL Alignment Cards, 2	188	1652029	PROTEAN II xi Alignment Cards, 2	188
1651841	PROTEAN II xi Spacers, 16 cm x 0.5 mm, 4	187	1652081	Gene Pulser/MicroPulser Cuvettes, 0.4 cm gap, 5	343
1651842	PROTEAN II xi Spacers, 16 cm x 0.75 mm, 4	187	1652082	Gene Pulser/MicroPulser Cuvettes, 0.2 cm gap, 5	343
1651843	PROTEAN II xi Spacers, 16 cm x 1.0 mm, 4	187	1652083	Gene Pulser/MicroPulser Cuvettes, 0.1 cm gap, 5	343
1651844	PROTEAN II xi Spacers, 16 cm x 1.5 mm, 4	187	1652086	Gene Pulser/MicroPulser Cuvettes, 0.2 cm gap, 50	343
1651845	PROTEAN II xi Spacers, 16 cm x 3.0 mm, 4	187	1652088	Gene Pulser/MicroPulser Cuvettes, 0.4 cm gap, 50	343
1651846	PROTEAN II xi Spacers, 20 cm x 0.5 mm, 4	187	1652089	Gene Pulser/MicroPulser Cuvettes, 0.1 cm gap, 50	343
1651847	PROTEAN II xi Spacers, 20 cm x 0.75 mm, 4	187	1652091	Gene Pulser/MicroPulser Cuvettes, 0.4 cm gap, 500	343
1651848	PROTEAN II xi Spacers, 20 cm x 1.0 mm, 4	187	1652092	Gene Pulser/MicroPulser Cuvettes, 0.2 cm gap, 500	343
1651849	PROTEAN II xi Spacers, 20 cm x 1.5 mm, 4	187	1652093	Gene Pulser/MicroPulser Cuvettes, 0.1 cm gap, 500	343
1651850	PROTEAN II xi Spacers, 20 cm x 3.0 mm, 4	187	1652095	Gene Pulser Cuvette Rack	341
1651859	PROTEAN II Comb Conversion Screws	210	1652100	MicroPulser Electroporator	342
1651861	PROTEAN II xi Comb, 25-well, 0.75 mm	187	1652225	Hepta Adaptor for PDS-1000/He System	347
1651862	PROTEAN II xi Comb, 25-well, 1.0 mm	187	1652226	Hepta Stopping Screens, 50	347
1651863	PROTEAN II xi Comb, 25-well, 1.5 mm	187	1652244	GeneShot Control Cartridges, 12	346
1651865	PROTEAN II xi Comb, 20-well, 0.5 mm	187	1652257	PDS-1000/He System	347
1651866	PROTEAN II xi Comb, 20-well, 0.75 mm	187	1652258	PDS-1000/He Hepta System	347
1651867	PROTEAN II xi Comb, 20-well, 1.0 mm	187	1652259	220/240 V Voltage Converter, PDS-1000/He system	347
1651868	PROTEAN II xi Comb, 20-well, 1.5 mm	187	1652262	0.6 µm Gold Microcarriers, 0.25 g	346
1651869	PROTEAN II xi Comb, 20-well, 3.0 mm	187	1652263	1.0 µm Gold Microcarriers, 0.25 g	346
1651870	PROTEAN II xi Comb, 15-well, 0.5 mm	187	1652264	1.6 µm Gold Microcarriers, 0.25 g	346
1651871	PROTEAN II xi Comb, 15-well, 0.75 mm	187	1652266	Tungsten M-10 Microcarriers, 6 g	347
1651872	PROTEAN II xi Comb, 15-well, 1.0 mm	187	1652267	Tungsten M-17 Microcarriers, 6 g	347
1651873	PROTEAN II xi Comb, 15-well, 1.5 mm	187	1652268	Tungsten M-20 Microcarriers, 6 g	347
1651874	PROTEAN II xi Comb, 15-well, 3.0 mm	187	1652269	Tungsten M-25 Microcarriers, 6 g	347
1651875	PROTEAN II xi Comb, 10-well, 0.5 mm	187	1652278	500 Optimization Kit	347
1651876	PROTEAN II xi Comb, 10-well, 0.75 mm	187	1652322	Macrocarrier Holders, 5	347
1651877	PROTEAN II xi Comb, 10-well, 1.0 mm	187	1652326	450 psi Rupture Disks, 100	347
1651878	PROTEAN II xi Comb, 10-well, 1.5 mm	187	1652327	650 psi Rupture Disks, 100	347
1651879	PROTEAN II xi Comb, 10-well, 3.0 mm	187	1652328	900 psi Rupture Disks, 100	347
1651882	PROTEAN II xi Comb, 5-well, 1.0 mm	187	1652329	1,100 psi Rupture Disks, 100	347
1651883	PROTEAN II xi Comb, 5-well, 1.5 mm	187	1652330	1,350 psi Rupture Disks, 100	347
1651884	PROTEAN II xi Comb, 5-well, 3.0 mm	187	1652331	1,550 psi Rupture Disks, 100	347
1651888	PROTEAN II xi Comb, 3-well, 1.5 mm	187	1652332	1,800 psi Rupture Disks, 100	347
1651891	PROTEAN II xi Comb, blank, 0.75 mm	187	1652333	2,000 psi Rupture Disks, 100	347
1651892	PROTEAN II xi Comb, blank, 1.0 mm	187	1652334	2,200 psi Rupture Disks, 100	347
1651893	PROTEAN II xi Comb, blank, 1.5 mm	187	1652335	Macrocarriers, 500	347
1651894	PROTEAN II xi Comb, blank, 3.0 mm	187	1652336	Stopping Screens, 500	347
1651897	PROTEAN II xi Comb, 2-D, 1.0 mm	187	1652411	Helios Gene Gun Kit, 100/120 V	346
1651898	PROTEAN II xi Comb, 2-D, 1.5 mm	187	1652412	Helium Hose Assembly, for Helios gene gun	346
1651899	PROTEAN II xi Comb, 2-D, 3.0 mm	187	1652413	Helium Regulator, for Helios gene gun	346
1651901	PROTEAN II xi Sandwich Clamps, 16 cm set	187	1652414	Low-Pressure Helium Regulator for Helios Gene Gun	346
1651902	PROTEAN II xi Sandwich Clamps, 20 cm set	187	1652416	O-Rings, for Helios gene gun, 5	346
1651909	PROTEAN II Upper Buffer Dam	187	1652417	Barrel Liner, for Helios gene gun, 5	346
1651911	PROTEAN II xi/XL Slab Gel Casting Stand	187	1652418	Tubing Prep Station, for Helios gene gun, 100/120 V	346
1651912	PROTEAN II xi/XL Replacement Casting Stand Gaskets, 2	187	1652420	Tubing Prep Station, for Helios gene gun, 220/240 V	346
1651913	PROTEAN II xi Replacement Central Cooling Core Gaskets, 2	187	1652421	Syringe Kit, for Helios gene gun	346
1651931	PROTEAN II xi 2-D Cell, 1.0 mm, 16 cm	210	1652422	Tubing Cutter, for Helios gene gun	346
1651932	PROTEAN II xi 2-D Cell, 1.5 mm, 16 cm	210	1652424	Helios Gene Gun Optimization Kit	346
1651933	PROTEAN II xi 2-D Cell, 1.0 mm, 20 cm	210	1652425	Nitrogen Regulator for U.S. Standard Connections	346
1651934	PROTEAN II xi 2-D Cell, 1.5 mm, 20 cm	210	1652426	Cartridge Holders, for Helios gene gun, 5	346
1651940	Tube Gel Adaptor, for PROTEAN II 2-D cell	210	1652431	Helios Gene Gun System, 100/120 V	345
1651943	Tube Gel Loading Needles, for PROTEAN II 2-D cell	210	1652432	Helios Gene Gun System, 220/240 V	345
1651944	Tube Gel Extrusion Needles, for PROTEAN II 2-D cell	210	1652435	Cartridge Extractor Tool, for Helios gene gun	346
1651947	PROTEAN II Replacement Tube Gel Adaptor Gaskets, 2	210	1652436	Battery, for Helios gene gun, 9 V	346
1651951	PROTEAN II xi Multi-Cell	188	1652440	Cartridge Kit, for Helios gene gun	346
1651956	PROTEAN II xi Multi-Cell 2-D Conversion Kit	188	1652441	Tefzel Tubing, for Helios gene gun, 15 m	346
1651957	PROTEAN II Multi-Gel Casting Chamber Acrylic Blocks, 4	188	1652451	Helios Gene Gun Low-Pressure System, 100/120 V	345
1651958	PROTEAN II Multi-Gel Casting Chamber Separation Sheets, 15	188	1652452	Helios Gene Gun Low-Pressure System, 220/240 V	345
1651984	Grommets and Stoppers, for 4-5 mm OD tubes, 12 each	211	1652475	Helios Diffusion Screens, 5	346
1651985	Grommets and Stoppers, for 6-7.5 mm OD tubes, 12 each	211	1652660	Gene Pulser Xcell Total System	341
1651988	Grommets and Stoppers, for Model 422 electro-eluter, 8	217	1652661	Gene Pulser Xcell Eukaryotic System	341
1651991	PROTEAN II xi Plate Washer System	191	1652662	Gene Pulser Xcell Microbial System	341
1651992	PROTEAN II xi Plate Holder	191	1652666	Gene Pulser Xcell Main Unit	341
1652005	Exponential Piston, for Model 395/495 gradient former	191	1652667	Gene Pulser Xcell CE Module	341
1652006	Exponential Piston, for Model 385/485 gradient former	175	1652668	Gene Pulser Xcell PC Module	341
1652007	Gradient Pouring Needles, 2	175	1652669	Gene Pulser Xcell ShockPod Cuvette Chamber	341
1652008	Tubing Connection Kit	175	1652676	Gene Pulser Electroporation Buffer, 10 x 1.8 ml	340

# Catalog Number Index

bio-rad.com

Cat. #	Description	Page	Cat. #	Description	Page
1652677	Gene Pulser Electroporation Buffer, 30 ml . . . . .	340	1653403	Dodeca Stainer and Dodeca Silver Stain Kit, large . . . . .	183
1652681	96-Well Electroporation Plate . . . . .	341	1653404	Dodeca Stainer and Dodeca Silver Stain Kit, small . . . . .	183
1652682	24-Well Electroporation Plate . . . . .	341	1653405	Dodeca Stainer and Bio-Safe Coomassie Stain, large . . . . .	183
1652683	12-Well Electroporation Plate . . . . .	341	1653406	Dodeca Stainer and Bio-Safe Coomassie Stain, small . . . . .	183
1652913	Replacement Gaskets, for Mini-PROTEAN 3 chamber . . . . .	174	1653407	Dodeca Stainer and SYPRO Ruby Protein Gel Stain, large . . . . .	183
1652948	Replacement Power Cables . . . . .	167	1653408	Dodeca Stainer and SYPRO Ruby Protein Gel Stain, small . . . . .	183
1652960	Mini-PROTEAN 2-D Cell . . . . .	209	1653414	Gel Clip . . . . .	191
1652961	Mini-PROTEAN Tube Cell . . . . .	209	1653416	Dodeca Stainer Tray, small, 2 . . . . .	183
1652965	Mini-PROTEAN Tube Cell Module . . . . .	209	1653420	Dodeca Stainer White Development Tray, small . . . . .	183
1652966	Mini-PROTEAN Capillary Tubes with Casting Tube, 200 . . . . .	209	1653422	Dodeca Stainer Shaking Rack, small . . . . .	183
1652967	Mini 2-D Tube Gel Ejector . . . . .	209	1653423	Dodeca Stainer Solution Tank, large . . . . .	183
1652968	Mini-PROTEAN Tube Gel Sample Reservoirs, 8 . . . . .	209	1653424	Dodeca Stainer Solution Tank, small . . . . .	183
1652969	Mini-PROTEAN Tube Module Stoppers, 8 . . . . .	209	1653425	Dodeca Stainer Lid with Shaker Motor, 100–240 V . . . . .	183
1652970	Mini-PROTEAN Tube Module Tube Connectors, 50 . . . . .	209	1653426	Dodeca Stainer Lid without Shaker Motor . . . . .	183
1652976	Model 422 Electro-Eluter, complete . . . . .	217	1653428	Dodeca Stainer Shaker Control Unit . . . . .	183
1652977	Model 422 Electro-Eluter Module, no buffer tank or lid . . . . .	217	1653429	Storage Box, large . . . . .	183
1652978	Glass Tubes, Model 422 electro-eluter, 6 . . . . .	217	1653430	Storage Box, small . . . . .	183
1652981	Silicone Adaptors, Model 422 electro-eluter, 6 . . . . .	217	1654010	17 cm Focusing Tray with Lid, for PROTEAN IEF cell . . . . .	205
1652985	Membrane Caps, 12–15 kD cutoff, 12 . . . . .	217	1654015	Disposable Trays with Lids, 17 cm, 25 . . . . .	203
1652986	Membrane Caps, 3.5 kD cutoff, 12 . . . . .	217	1654020	11 cm Focusing Tray with Lid, for PROTEAN IEF cell . . . . .	205
1652987	Frits, Model 422 electro-eluter, 12 . . . . .	217	1654025	Disposable Trays with Lids, 11 cm, 25 . . . . .	203
1653122	5.0 mm ID Glass Tubes, 7.0 mm OD, 125 mm, 24 . . . . .	211	1654030	7 cm Focusing Tray with Lid, for PROTEAN IEF cell . . . . .	205
1653130	Mini Cell Buffer Dams, 2 . . . . .	166	1654035	Disposable Trays with Lids, 7 cm, 25 . . . . .	203
1653132	Sample Loading Guide, 15-well, blue . . . . .	166	1654040	18 cm Focusing Tray with Lid, for PROTEAN IEF cell . . . . .	205
1653136	1.0 mm ID Glass Tubes, 6.0 mm OD, 180 mm, 24 . . . . .	211	1654041	Disposable Trays with Lids, 18 cm, 25 . . . . .	203
1653137	1.5 mm ID Glass Tubes, 7.5 mm OD, 150 mm, 24 . . . . .	211	1654042	24 cm Focusing Tray with Lid, for PROTEAN IEF cell . . . . .	205
1653138	1.5 mm ID Glass Tubes, 7.5 mm OD, 180 mm, 24 . . . . .	211	1654043	Disposable Trays with Lids, 24 cm, 25 . . . . .	203
1653146	Sample Loading Guide, 10-well, yellow . . . . .	166	1654050	Cup Loading Tray, for PROTEAN IEF cell . . . . .	205
1653149	Replacement Gaskets, for electrophoresis assembly, 2 . . . . .	166	1654051	Large Replacement Cups, for PROTEAN IEF cell, 150 µl, 120 . . . . .	205
1653150	3.4 mm ID Glass Tubes, 5.0 mm OD, 125 mm, 24 . . . . .	211	1654052	Small Replacement Cups, for PROTEAN IEF cell, 100 µl, 120 . . . . .	205
1653155	2.4 mm ID Glass Tubes, 4.0 mm OD, 160 mm, 24 . . . . .	211	1654053	Replacement Electrodes, for PROTEAN IEF cell, 1 pair . . . . .	205
1653176	PROTEAN II XL Multi-Cell, wide format, 1.0 mm . . . . .	188	1654054	Replacement Cup Loading Tray Base . . . . .	205
1653177	PROTEAN II XL Multi-Cell, wide format, 1.5 mm . . . . .	188	1654055	Cup Loading Tray with Forceps . . . . .	205
1653178	PROTEAN II XL Multi-Cell, wide format, 2.0 mm . . . . .	188	1654070	Forceps, for PROTEAN IEF cell, 1 pair . . . . .	204
1653181	PROTEAN II XL IPG Spacers, 20 cm x 1.5 mm . . . . .	187	1654071	Electrode Wicks, for PROTEAN IEF cell, precut, 500 . . . . .	205
1653182	PROTEAN II XL Replacement Central Cooling Core Gaskets, 2 . . . . .	187	1654072	Cleaning Brushes, for PROTEAN IEF cell, 3 . . . . .	204
1653183	PROTEAN II xi Cell IPG Conversion Kit, 1.0 mm . . . . .	185	1654080	Thermal Printer, 100 V . . . . .	205
1653184	PROTEAN II xi Cell IPG Conversion Kit, 2.0 mm . . . . .	185	1654100	Mini-PROTEAN 3 Dodeca Cell . . . . .	167
1653186	PROTEAN II xi Cell IPG Conversion Kit, 1.5 mm . . . . .	185	1654101	Mini-PROTEAN 3 Dodeca Cell with Multi-Casting Chamber . . . . .	167
1653187	PROTEAN II XL IPG Comb, 1.5 mm . . . . .	187	1654102	Replacement Electrophoresis Clamping Frame . . . . .	167
1653188	PROTEAN II XL Cell, wide format, 1.0 mm . . . . .	185	1654103	Lower Electrode Assembly with Platinum Wire . . . . .	167
1653189	PROTEAN II XL Cell, wide format, 1.5 mm . . . . .	185	1654104	Replacement Drain Line . . . . .	167
1653190	PROTEAN II XL Cell, wide format, 2.0 mm . . . . .	185	1654105	Replacement Cooling Coil, for Mini-PROTEAN 3 Dodeca cell . . . . .	167
1653201	Sample Loading Guide, 9-well, red . . . . .	166	1654110	Mini-PROTEAN 3 Multi-Casting Chamber . . . . .	174
1653203	Sample Loading Guide, 12-well, green . . . . .	166	1654111	Mini-PROTEAN 3 Multi-Casting Chamber, 0.75 mm spacers . . . . .	174
1653303	Mini-PROTEAN Casting Stand . . . . .	166	1654112	Mini-PROTEAN 3 Multi-Casting Chamber, 1.0 mm spacers . . . . .	174
1653304	Mini-PROTEAN Casting Frame . . . . .	166	1654113	Mini-PROTEAN 3 Multi-Casting Chamber, 1.5 mm spacers . . . . .	174
1653305	Mini-PROTEAN Casting Stand Gaskets, 2 . . . . .	166	1654114	Mini-PROTEAN 3 Multi-Casting Chamber Acrylic Blocks, 6 mm, 8 . . . . .	174
1653308	Short Plates, for Mini-PROTEAN cells, 5 . . . . .	166	1654115	Mini-PROTEAN 3 Multi-Casting Chamber Separation Sheets, 15 . . . . .	174
1653310	Spacer Plates with 0.75 mm Integrated Spacers, 5 . . . . .	166	1654116	Mini-PROTEAN Multi-Casting Chamber, 0.5 mm, includes plates . . . . .	174
1653311	Spacer Plates with 1.0 mm Integrated Spacers, 5 . . . . .	166	1654120	Model 485 Gradient Former, 40–175 ml . . . . .	175
1653312	Spacer Plates with 1.5 mm Integrated Spacers, 5 . . . . .	166	1654121	Model 495 Gradient Former, 100–1,500 ml . . . . .	191
1653320	Gel Releasers, for Mini-PROTEAN cells, 5 . . . . .	166	1654122	Model 485 Gradient Former and Mini-PROTEAN 3 Chamber . . . . .	175
1653352	Mini-PROTEAN Comb, 5-well, 0.75 mm . . . . .	166	1654123	Model 495 Gradient Former and PROTEAN Plus Chamber . . . . .	191
1653353	Mini-PROTEAN Comb, 9-well, 0.75 mm . . . . .	166	1654130	Criterion Dodeca Cell . . . . .	176
1653354	Mini-PROTEAN Comb, 10-well, 0.75 mm . . . . .	166	1654131	AnyGel Stand, single-row . . . . .	174
1653355	Mini-PROTEAN Comb, 15-well, 0.75 mm . . . . .	166	1654132	Replacement Clamps, for AnyGel stands, 2 . . . . .	174
1653356	Mini-PROTEAN Comb, prep/2-D well, 0.75 mm . . . . .	166	1654135	Lower Electrode with Platinum Wire . . . . .	176
1653357	Mini-PROTEAN Comb, 5-well, 1.0 mm . . . . .	166	1654136	Replacement Cooling Coil, Criterion Dodeca cell . . . . .	176
1653358	Mini-PROTEAN Comb, 9-well, 1.0 mm . . . . .	166	1654137	Replacement Lid, for Criterion cell . . . . .	176
1653359	Mini-PROTEAN Comb, 10-well, 1.0 mm . . . . .	166	1654138	Criterion Dodeca Cell and PowerPac HC Power Supply . . . . .	176
1653360	Mini-PROTEAN Comb, 15-well, 1.0 mm . . . . .	166	1654139	Criterion Dodeca Cell and PowerPac Universal Power Supply . . . . .	176
1653361	Mini-PROTEAN Comb, prep/2-D well, 1.0 mm . . . . .	166	1654140	PROTEAN Plus Dodeca Cell (100/120 V) . . . . .	189
1653362	Mini-PROTEAN Comb, IPG well, 1.0 mm . . . . .	166	1654141	PROTEAN Plus Dodeca Cell (220/240 V) . . . . .	189
1653363	Mini-PROTEAN Comb, 5-well, 1.5 mm . . . . .	166	1654142	PROTEAN Plus Dodeca Cell (100/120 V) . . . . .	189
1653364	Mini-PROTEAN Comb, 9-well, 1.5 mm . . . . .	166	1654143	PROTEAN Plus Dodeca Cell (220/240 V) . . . . .	189
1653365	Mini-PROTEAN Comb, 10-well, 1.5 mm . . . . .	166	1654144	PROTEAN Plus Dodeca Cell (100/120 V), Trans-Blot Plus Cell . . . . .	189
1653366	Mini-PROTEAN Comb, 15-well, 1.5 mm . . . . .	166	1654145	PROTEAN Plus Dodeca Cell (220/240 V), Trans-Blot Plus Cell . . . . .	189
1653367	Mini-PROTEAN Comb, prep/2-D well, 1.5 mm . . . . .	166	1654150	PROTEAN Plus Dodeca Cell, 100/120 V . . . . .	189
1653368	Mini-PROTEAN Comb, IPG well, 1.5 mm . . . . .	166	1654151	PROTEAN Plus Dodeca Cell, 220/240 V . . . . .	189
1653400	Dodeca Stainer, large . . . . .	183	1654152	Replacement Old Tubing Kit, for tank without stopcock . . . . .	189
1653401	Dodeca Stainer, small . . . . .	183	1654153	Replacement Tubing Kit, for tank with stopcock . . . . .	189

Cat. #	Description	Page	Cat. #	Description	Page
1654154	Replacement PROTEAN Plus Dodeca Cell Gasket Assembly	189	1658012	Mini-PROTEAN Tetra Cell Casting Module, prep/2-D, 0.75 mm	166
1654155	Replacement Electrode Card, anode	189	1658013	Mini-PROTEAN Tetra Cell Casting Module, 5-well, 1.0 mm	166
1654156	Replacement Electrode Card, cathode	189	1658014	Mini-PROTEAN Tetra Cell Casting Module, 9-well, 1.0 mm	166
1654157	Replacement Lid, for PROTEAN Plus Dodeca cell	189	1658015	Mini-PROTEAN Tetra Cell Casting Module, 10-well, 1.0 mm	166
1654158	Recirculation Pump, 100/120 V	189	1658016	Mini-PROTEAN Tetra Cell Casting Module, 15-well, 1.0 mm	166
1654159	Recirculation Pump, 220/240 V	189	1658017	Mini-PROTEAN Tetra Cell Casting Module, prep/2-D well, 1.0 mm	166
1654160	PROTEAN Plus Multi-Casting Chamber	191	1658018	Mini-PROTEAN Tetra Cell Casting Module, IPG well, 1.0 mm	166
1654161	PROTEAN Plus Multi-Casting Chamber Acrylic Block, 1.5 mm	191	1658019	Mini-PROTEAN Tetra Cell Casting Module, 5-well, 1.5 mm	166
1654162	PROTEAN Plus Multi-Casting Chamber Acrylic Block, 3 mm	191	1658020	Mini-PROTEAN Tetra Cell Casting Module, 9-well, 1.5 mm	166
1654163	PROTEAN Plus Multi-Casting Chamber Acrylic Block, 6 mm	191	1658021	Mini-PROTEAN Tetra Cell Casting Module, 10-well, 1.5 mm	166
1654164	PROTEAN Plus Multi-Casting Chamber Acrylic Block, 12 mm	191	1658022	Mini-PROTEAN Tetra Cell Casting Module, 15-well, 1.5 mm	166
1654165	PROTEAN Plus Multi-Casting Chamber Separation Sheets, 15	191	1658023	Mini-PROTEAN Tetra Cell Casting Module, prep/2-D well, 1.5 mm	166
1654166	Manifold Tubing, for PROTEAN Plus Dodeca cell	189	1658024	Mini-PROTEAN Tetra Cell Casting Module, IPG well, 1.5 mm	166
1654167	Buffer Exhaust Tubing	189	1658025FC	Mini-PROTEAN Tetra Cell and PowerPac Basic Power Supply	165
1654170	PROTEAN Plus Hinged Spacer Plates, 20 cm x 1.0 mm	191	1658026FC	Mini-PROTEAN Tetra Cell and PowerPac Universal Power Supply	165
1654171	PROTEAN Plus Hinged Spacer Plates, 20 cm x 1.5 mm	191	1658027FC	Mini-PROTEAN Tetra Cell and PowerPac HC Power Supply	165
1654172	PROTEAN Plus Hinged Spacer Plates, 20 cm x 2.0 mm	191	1658028FC	Mini-PROTEAN Tetra Cell and PowerPac HV Power Supply	165
1654173	PROTEAN Plus Hinged Spacer Plates, 25 cm x 1.0 mm	191	1658029	Mini-PROTEAN Tetra Cell/Mini Trans-Blot Module	226
1654174	PROTEAN Plus Hinged Spacer Plates, 25 cm x 1.5 mm	191	1658029FC	Mini-PROTEAN Tetra Cell/Mini Trans-Blot Module	165
1654175	PROTEAN Plus Hinged Spacer Plates, 25 cm x 2.0 mm	191	1658030	Mini-PROTEAN Tetra Cell and Mini Trans-Blot Module	165
1654176	PROTEAN Plus 2-D Comb with 20 cm Ref. Well, 1.0 mm	191	1658033	Mini-PROTEAN Tetra Cell, Mini Trans-Blot Module	226
1654177	PROTEAN Plus 2-D Comb with 20 cm Ref. Well, 1.5 mm	191	1658033FC	Mini-PROTEAN Tetra Cell, Mini Trans-Blot Module	165
1654178	PROTEAN Plus 2-D Comb with 20 cm Ref. Well, 2.0 mm	191	1658034	Mini-PROTEAN Tetra Cell, Mini Trans-Blot Module, PowerPac	226
1654179	PROTEAN Plus 2-D Comb with 25 cm Ref. Well, 1.0 mm	191	1658034FC	Mini-PROTEAN Tetra Cell, Mini Trans-Blot Module, PowerPac	165
1654180	PROTEAN Plus 2-D Comb with 25 cm Ref. Well, 1.5 mm	191	1658035	Mini-PROTEAN Tetra Cell, Mini Trans-Blot Module	226
1654181	PROTEAN Plus 2-D Comb with 25 cm Ref. Well, 2.0 mm	191	1658035FC	Mini-PROTEAN Tetra Cell, Mini Trans-Blot Module	165
1655058	PowerPac Temperature Probe	155	1658036	Mini-PROTEAN Tetra Cell (Precast Gels), Mini Trans-Blot Module	165
1655131	AnyGel Stand, 6-row	167	1658037	Mini-PROTEAN Tetra Electrode Assembly	166
1655132	Mini-PROTEAN 3 Dodeca Cell and AnyGel Stand	167	1658038	Mini-PROTEAN Tetra Companion Running Module	166
1655133	Criterion Dodeca Cell and AnyGel Stand	174	1658039	Buffer Tank, for Mini-PROTEAN Tetra cell	166
1655134	PROTEAN Plus Dodeca Cell (100/120 V) and 2 AnyGel Stands	174	1658040	Buffer Tank and Lid, for Mini-PROTEAN Tetra cell	166
1655135	PROTEAN Plus Dodeca Cell (220/240 V) and 2 AnyGel Stands	174	1658041	Cell Lid with Power Cables, for Mini-PROTEAN Tetra cell	166
1656001	Criterion Cell	176	1658051	Mini-PROTEAN Tetra Cell Casting Stand, 2 core	166
1656002	Criterion Replacement Electrophoresis Buffer Tank	176	1658052	Mini-PROTEAN Tetra Cell Casting Stand, 1 core	166
1656003	Criterion Replacement Lid	176	1658100	Mini-PROTEAN Gel Instruction Manual and Application Guide	170
1656004	Criterion Replacement Upper Electrode, prestrung wire	176	1660001EDU	Analysis of Precut Lambda DNA Kit	423
1656005	Criterion Replacement Lower Electrode, prestrung wire	176	1660002EDU	Restriction Digestion and Analysis of Lambda DNA Kit	423
1656006	Criterion Sample Loading Guide, 12+2-well, 1	181	1660003EDU	pGLO Bacterial Transformation Kit	423
1656007	Criterion Sample Loading Guide, 18-well, 1	181	1660005EDU	Green Fluorescent Protein (GFP) Chromatography Kit	423
1656008	Criterion Sample Loading Guide, 26-well, 1	181	1660006EDU	Secrets of the Rainforest Kit	423
1656019	Criterion Cell and PowerPac Basic Power Supply	176	1660007EDU	Forensic DNA Fingerprinting Kit	423
1656020	Criterion Cell and Single-Row AnyGel Stand	174	1660008EDU	Size Exclusion Chromatography Kit	423
1656024	Criterion Cell/Plate Blotter System	176	1660013EDU	pGLO Kit, SDS-PAGE Extension	423
1656025	Criterion Cell/Wire Blotter System	176	1660451EDU	Electrophoresis Module	421
1657202	Cutting Tip, 1.0 mm	288	1660470	Petri Dishes, 60 mm, sterile, 500	412
1657203	Cutting Tip, 1.5 mm	288	1660471	Inoculation Loops, 10 µl, sterile, 80	412
1657204	Glass Bottle, 1 L	288	1660473	Colored 1.5 ml Microcentrifuge Tubes, 6 colors, 600	410
1657205	Calibration Pucks, 10	288	1660474	Disposable Plastic Transfer Pipets, sterile, 500	412
1657206	Membrane Cutting Head, with 1.0 mm tip	288	1660475	Conical Centrifuge Tubes, 15 ml, 50	412
1657207	Membrane Cutting Tip, 1.0 mm	288	1660476	Cell Culture Tubes, 17 x 100 mm, 14 ml, sterile, 25	412
1657208	Gel Cutting Sheets, 15	288	1660477	Gel Staining Trays, 4	412
1657209	Gel Holding Clips, 2	288	1660479	Jellyfish Foam Floating Racks, 8 racks	412
1657210	Calibration Target	288	1660480	Disposable Plastic Transfer Pipets, nonsterile, 500	412
1657211	Camera Target	288	1660481	Green Rack, set of 5	411
1657212	Micro Tubes, 1.5 ml, 20	288	1660482	Storage Boxes	411
1657214	Bottle Holder	288	1660483	Conical Tube Rack, 15 ml, set of 5	411
1657215	Gel Tray	288	1660484	Conical Tube Rack, 50 ml, set of 5	411
1657217	Round-Bottom Microplates, 96-well, 20	288	1660485	Cuvette Racks, set of 5	26
1657218	Ferrule, 10-32, 1/16" OD, 10	288	1660486	Professional Pipet Set with Backpack	405
1657219	Bar Code Reader	288	1660487	Carousel Pipet Rack	405
1658000FC	Mini-PROTEAN Tetra Cell, 10-well, 0.75 mm thickness	165	1660490	Professional Pipet Controller, 120 V	405
1658001FC	Mini-PROTEAN Tetra Cell, 10-well, 1.0 mm thickness	165	1660491	Professional Pipet Controller, 220 V	405
1658002FC	Mini-PROTEAN Tetra Cell, 10-well, 0.75 mm thickness, for 2 gels	165	1660492	Professional Pipet Controller	406
1658003FC	Mini-PROTEAN Tetra Cell, 10-well, 1.0 mm thickness, for 2 gels	165	1660495	8-Channel Professional Adj. Vol., 20–200 µl Digital Micropipet	330
1658004	Mini-PROTEAN Tetra Cell for Mini Precast Gels, 4-gel system	165	1660496	Professional Micropipet, 8-channel, adj. vol., 5–50 µl	405
1658005	Mini-PROTEAN Tetra for Mini Precast Gels, 2-gel system	165	1660499	Professional Micropipet, adj. vol., 0.1–2.0 µl	405
1658006FC	Mini-PROTEAN Tetra for Ready Gel Precast Gels, 10-well, 1.5 mm	165	1660500EDU	Long-Wave UV Lamp	423
1658007FC	Mini-PROTEAN Tetra for Ready Gel Precast Gels, 10-well, 1.5 mm	165	1660501	Mini Incubation Oven, 120 V	414
1658008	Mini-PROTEAN Tetra Cell Casting Module, 5-well, 0.75 mm	166	1660504	Temperature-Controlled Water Bath, 120 V	414
1658009	Mini-PROTEAN Tetra Cell Casting Module, 9-well, 0.75 mm	166	1660505	Professional Micropipet, adj. vol., 0.5–10 µl	405
1658010	Mini-PROTEAN Tetra Cell Casting Module, 10-well, 0.75 mm	166	1660506	Professional Micropipet, adj. vol., 2–20 µl	405
1658011	Mini-PROTEAN Tetra Cell Casting Module, 15-well, 0.75 mm	166	1660507	Professional Micropipet, adj. vol., 20–200 µl	405

# Catalog Number Index

bio-rad.com

Cat. #	Description	Page	Cat. #	Description	Page
1660508	Professional Micropipet, adj. vol., 100–1,000 µl	405	1681130	iMark Microplate Absorbance Reader	330
1660521	Mini Incubation Oven, 220 V	414	1681135	iMark Microplate Absorbance Reader with Software	330
1660524	Temperature-Controlled Water Bath, 220 V	414	1681150	xMark Microplate Absorbance Spectrophotometer	331
1660530EDU	Long-Wave UV Pen Light	423	1682000	Plate Adaptor, for Terasaki plates with xMark spectrophotometer	331
1660531	UView Mini Transilluminator	413	1682230	iQ/OQ Kit for iMark Microplate Absorbance Reader	330
1660562	Digital Dry Bath, 120 V	414	1682250	iQ/OQ Kit for xMark Spectrophotometer	331
1660563	Digital Dry Bath, 230 V	414	1686940	Checkmark Reader Performance Verification Kit	330
1660564	DyNA Chill Cooler	414	1689520	Microplate Manager 6 Software, PC and Mac	331
1660565	Digital Dry Bath Heating Block, for 24 x 0.5 ml tubes	414	17000031	ddPCR Residual CHO Host Cell DNA Quantification Kit	352
1660566	Digital Dry Bath Heating Block, for 24 x 2.0 ml tubes	414	17000032	ddPCR Residual <i>E. coli</i> Host Cell DNA Quantification Kit	352
1660567	Digital Dry Bath Heating Block, for 12 x 15 ml tubes	414	17000097	ChromLab User Management License, 5 seats	121
1660602	Model 16K Microcentrifuge, 120 V	413	17000098	ChromLab User Management License, 3 seats	121
1660603	Mini Centrifuge, 120 V	413	17000099	ChromLab User Management License, 1 seat	121
1660610	BR-2000 Vortexer, 120 V	414	1702412	Thermal Printer Paper	205
1660611	BR-2000 Vortexer, 220 V	414	1702415	Standard Cuvettes, for VersaFluor fluorometer, 100	26
1660612	Model 16K Microcentrifuge, 220 V	413	1702416	Microcuvettes, for VersaFluor fluorometer, 100	26
1660613	Mini Centrifuge, 220 V	413	1702502	Standard Cuvette, 1–3.5 ml, quartz	24
1660620	PCR Tube Adaptor, for Model 16K microcentrifuge	413	1702503	Semimicrovolume Cuvette, 0.5–1.4 ml, quartz	24
1660621	BR-2000 Vortexer, 220 V, for the UK	414	1702504	Microvolume Cuvette, 200–700 µl, quartz	24
1660622	Flathead Dimpled Adaptor, for BR-2000 vortexer	414	1702505	Submicrovolume Cuvette, 80–100 µl, quartz	24
1660623	Mini Centrifuge, 220 V, for the UK	413	1702506	SmartSpec Printer Paper, 5 pack	24
1660709	UltraRocker Rocking Platform, 120 V	414	1702507	Spring, cuvette holder	24
1660710	Mini Rocker, 120 V	414	1702510	trUView Cuvettes, 50	25
1660711	Tube Roller, 120 V	414	1702511	trUView Cuvettes, 100	25
1660712	Mini Incubation Oven and Mini Rocker	414	1702525	SmartSpec Plus Spectrophotometer	24
1660713	Mini Incubation Oven and Tube Roller	414	1702804	MicroRotor Starter Kit	214
1660719	UltraRocker Rocking Platform, 220 V	414	1702810	MicroRotor Harvesting Trays, 3	214
1660720	Mini Rocker, 230 V	414	1702820	MicroRotor Sealing Film, 10 sheets	214
1660721	Tube Roller, 230 V	414	1702821	MicroRotor Focusing Chambers, 3	214
1660722	Tube Roller, 230 V, for the UK	414	1702822	MicroRotor Cathode Assembly	214
1661025EDU	Biotechnology: A Laboratory Skills Course, student edition	420	1702826	MicroRotor Electrode Assembly O-Ring/Gasket Kit	214
1661026EDU	Biotechnology: A Laboratory Skills Course, Teacher Supplement	420	1702829	MicroRotor Anode Assembly	214
1661027EDU	Biotechnology: A Laboratory Skills Course, teacher edition	420	1702833	MicroRotor Ion Exchange Membrane Assemblies	214
1661051EDU	Laboratory Notebook	420	1702835	MicroRotor Cleaning Brush	214
1661052EDU	Supplementary Materials DVD Set	420	1702836	MicroRotor Syringes, 3 ml and 10 ml, 3 each	214
1662100EDU	PV92 PCR Informatics Kit	423	1702851	MicroRotor Needle Assembly	214
1662300EDU	Genes in a Bottle Kit	423	1702852	MicroRotor Vacuum Block O-Ring	214
1662400EDU	ELISA Immuno Explorer Kit	423	1702908	Mini Prep Cell without Reagent Starter Kit	216
1662500EDU	GMO Investigator Kit	423	1702909	Gel Tubes, mini prep cell, 2	216
1662560EDU	GMO Investigator Real-Time PCR Starter Kit	422	1702910	Rotofor Starter Kit	214
1662600EDU	Crime Scene Investigator PCR Basics Kit	423	1702911	Elution Frit Kit, mini prep cell, 6 kD cutoff, 5	216
1662660EDU	Crime Scene Investigator PCR Basics Real-Time PCR Starter Kit	422	1702912	Harvest Ring Assembly, mini prep cell	216
1662700EDU	Comparative Proteomics Kit I: Protein Profiler Module	423	1702913	Sample Application/Purge Kit, mini prep cell	216
1662800EDU	Comparative Proteomics Kit II: Western Blot Module	423	1702915	Mini Prep Cell with Reagent Starter Kit	216
1662875EDU	Rapid Blotting and V3 Western Workflow Starter Kit	422	1702916	Elution Manifold Base, mini prep cell	216
1662900EDU	Got Protein? Kit	423	1702917	Mini Prep Cell Elution Chamber Top	216
1665000EDU	Complete Cloning and Sequencing Series, includes all 8 modules	421	1702918	Mini Prep Cell Casting Stand	216
1665001EDU	Curriculum Resource CD-ROM	421	1702926	Model 491 Prep Cell, 100/120 V, includes pump	216
1665005EDU	Nucleic Acid Extraction Module	421	1702927	Model 491 Prep Cell, 220/240 V, includes pump	216
1665010EDU	GAPDH PCR Module	421	1702928	Model 491 Prep Cell without Buffer Recirculation Pump	216
1665015EDU	Ligation and Transformation Module	421	1702929	Model 491 Buffer Recirculation Pump, 100/120 V	216
1665020EDU	Microbial Culturing Module	421	1702930	Model 491 Buffer Recirculation Pump, 220/240 V	216
1665025EDU	Sequencing and Bioinformatics Module	421	1702932	Model 491 Small Gel Tube Assembly, 28 mm ID	216
1665030EDU	Microbes and Health Kit	423	1702933	Model 491 Large Gel Tube Assembly, 37 mm ID	216
1665035EDU	Biofuel Enzyme Kit	423	1702934	Cooling Finger Assembly, for Model 491 prep cell	216
1665040EDU	Protein Expression and Purification Series	421	1702935	Buffer Circulation Tubing Kit, for Model 491 prep cell	216
1665041EDU	Centrifugation Purification Module	421	1702936	O-Ring Kits, for Model 491 prep cell, 2	216
1665045EDU	Protein Expression and Purification Series	421	1702937	Dialysis Membranes, for Model 491 prep cell, 5	216
1665046EDU	Hand-Packed Purification Module	421	1702938	Frit Kit, for Model 491 prep cell	216
1665050EDU	Protein Expression and Purification Series	421	1702939	Sample Application/Overlay Buffer Kit	216
1665051EDU	Prepacked Purification Module	421	1702940	Thumbscrews, 4	216
1665055EDU	Growth and Expression Module	421	1702941	Elution Manifold Base	216
1665060EDU	SDS-PAGE Electrophoresis Module	421	1702944	Prep Cell Casting Stand	216
1665065EDU	DHFR Enzymatic Assay Module	421	1702947	Peristaltic Pump Adaptor Kit, for mini prep cell	216
1665070EDU	Protein Expression and Purification Series Assessment Module	421	1702948	Elution Frit Kit, for mini prep cell, 3.5 kD cutoff, 5	216
1665075EDU	IDEA Kit — Inquiry Dye Electrophoresis Activity	423	1702952	Membrane Core, for 60 ml focusing chamber, 2	214
1665080EDU	STEM Electrophoresis Teacher Demonstration Kit	423	1702953	Repair Kit, for Rotofor cell	214
1665090EDU	STEM Electrophoresis Classroom Kit	423	1702954	Cooling Finger O-Ring Kit, for Rotofor cell	214
1665100EDU	Fish DNA Barcoding Kit	419	1702956	Ion Exchange Membranes, 5 pair	214
1665111	UView 6x Loading Dye, 0.2 ml	260	1702957	Vent Buttons, 8	214
1665112	UView 6x Loading Dye, 1 ml	260	1702958	Cooling Finger, for Rotofor cell	214
1665115EDU	DNA Barcoding Sequencing Module	419	1702959	Adaptor Kit, for mini Rotofor to Rotofor cell conversion	214



Cat. #	Description	Page	Cat. #	Description	Page
1702960	Sealing Tape, 1 roll, for Rotofor cell	214	1703902	Mini Incubation Trays, 20	231
1702964	Harvest Tubing, for Rotofor cell	214	1703903	Mini Incubation Trays, 100	231
1702965	Harvest Box Lid, for Rotofor cell	214	1703910	Trans-Blot Cell with Wire Electrodes	228
1702966	Harvesting Needle Array, for Rotofor cell	214	1703912	Super Cooling Coil, for Trans-Blot cell	228
1702969	Lid with Power Cables, for Model 491 prep cell	216	1703913	Gel Holder Cassette, for Trans-Blot cell	228
1702975	Model 111 Mini IEF Cell	212	1703914	Foam Pads, 15.5 x 20.5 cm, 6	228
1702980	Graphite Electrodes, for Model 111 mini IEF cell, 2	212	1703919	Bio-Ice Cooling Unit, for Mini-PROTEAN Tetra tanks	226
1702981	Mini Casting Tray, for Model 111 mini IEF cell	212	1703920	Trans-Blot Standard Wire Electrode Card, cathode	228
1702982	Glass Plates, for Model 111 mini IEF cell, 5	212	1703921	Trans-Blot Standard Wire Electrode Card, anode	228
1702983	Polyacrylamide Gel Support Film, 12.5 x 6.5 cm, 50 sheets	212	1703922	Trans-Blot Cell Buffer Tank	228
1702984	Agarose Gel Support Film, 12.5 x 6.5 cm, 50 sheets	212	1703923	Trans-Blot Cell Lid with Power Cables	228
1702985	Sample Templates, for Model 111 mini IEF cell, 5	212	1703930	Mini Trans-Blot Electrophoretic Transfer Cell	226
1702990	Adaptor Kit, for Rotofor to mini Rotofor cell conversion	214	1703931	Mini Gel Holder Cassette, for Mini Trans-Blot cell	226
1702991	Mini Membrane Cores, for 18 ml focusing chamber, 2	214	1703932	Thick Blot Paper, 7.5 x 10 cm, 50 sheets	226
1703125	SYPRO Ruby Protein Gel Stain, 1 L	202	1703933	Foam Pads, 8 x 11 cm, 4	226
1703126	SYPRO Ruby Protein Gel Stain, 200 ml	202	1703934	Bio-Ice Cooling Unit, for Mini-PROTEAN 3 tanks	226
1703127	SYPRO Ruby Protein Gel Stain, 200 ml	243	1703935	Mini Trans-Blot Module, without lower buffer tank and lid	226
1703138	SYPRO Ruby Protein Gel Stain, 5 L cube	202	1703938	Bio-Dot Microfiltration System	230
1703202	Nitrocellulose Membrane Disks, 82.5 mm, 50	235	1703939	Trans-Blot Cell with Plate Electrodes and Super Cooling Coil	228
1703350	TransFectin Lipid Reagent, 0.5 ml	338	1703940	Trans-Blot SD Semi-Dry Electrophoretic Transfer Cell	225
1703351	TransFectin Lipid Reagent, 1.0 ml	338	1703942	Anode Plate, Trans-Blot SD cell	225
1703352	TransFectin Lipid Reagent, 5 x 1.0 ml	338	1703943	Trans-Blot Platinum Anode Plate Electrode	228
1703360	siLentFect Lipid Reagent for RNAi, 0.5 ml	337	1703944	Trans-Blot Stainless-Steel Cathode Plate Electrode	228
1703361	siLentFect Lipid Reagent for RNAi, 1.0 ml	337	1703945	Trans-Blot Plate Electrode Pair	228
1703362	siLentFect Lipid Reagent for RNAi, 5 x 1.0 ml	337	1703946	Trans-Blot Cell with Plate Electrodes	228
1703591	CHEF Mammalian Genomic DNA Plug Kit	257	1703947	Cathode Plate, Trans-Blot SD cell	225
1703592	CHEF Bacterial Genomic DNA Plug Kit	257	1703955	Thick Blot Paper, 14 x 16 cm, 25 sheets	235
1703593	CHEF Yeast Genomic DNA Plug Kit	257	1703956	Thick Blot Paper, 15 x 20 cm, 25 sheets	228
1703594	CleanCut Agarose, 2%, 12 ml	257	1703957	Trans-Blot SD DNA/RNA Blotting Kit	225
1703605	CHEF DNA Size Marker, <i>S. cerevisiae</i> , 5 agarose blocks	258	1703958	Extra Thick Blot Paper, 10 x 15 cm, 30 sheets	235
1703622	Reusable Plug Mold, for CHEF Mapper system, 10 plugs	256	1703959	Extra Thick Blot Paper, 15 x 15 cm, 30 sheets	235
1703623	Comb, for CHEF Mapper system, preparative, 14 cm	256	1703960	Extra Thick Blot Paper, 15 x 20 cm, 30 sheets	228
1703624	CHEF DNA Size Standard, 5 kb ladder	258	1703965	Extra Thick Blot Paper, 7.5 x 10 cm, 60 sheets	235
1703627	Comb, for CHEF Mapper system, 15-well, 1.5 mm, 21 cm wide	256	1703966	Extra Thick Blot Paper, 7 x 8.4 cm, 60 sheets	235
1703628	Comb, for CHEF Mapper system, 30-well, 1.5 mm, 21 cm wide	256	1703967	Extra Thick Blot Paper, 8 x 13.5 cm, 60 sheets	235
1703633	CHEF DNA Size Marker, <i>S. pombe</i> , 5 agarose blocks	258	1703968	Extra Thick Blot Paper, 14 x 16 cm, 30 sheets	235
1703635	CHEF DNA Size Standard, lambda ladder, 5 agarose blocks	258	1703969	Extra Thick Blot Paper, 19 x 18.5 cm, 30 sheets	235
1703643	Gel Scoop, for CHEF Mapper system	256	1703989	Mini Trans-Blot Cell and PowerPac Basic Power Supply	226
1703644	Variable Speed Pump, for CHEF Mapper system, 120 V	256	1703990	Trans-Blot Plus Cell with Plate Electrodes and Super Cooling Coil	229
1703645	Comb, for CHEF Mapper system, 45-well, 21 cm wide, 1.5 mm	256	1703991	Trans-Blot Plus Cell and PowerPac HC Power Supply	229
1703648	Electrodes, for CHEF Mapper system, thick gauge (0.02"), 6	256	1703992	Trans-Blot Plus Cell and PowerPac Universal Power Supply	229
1703654	Cooling Module, for CHEF Mapper system, 120 V	256	1703995	Foam Pads, 27 x 28.5 cm, 2	229
1703655	Cooling Module, for CHEF Mapper system, 220/240 V	256	1703997	Stirbar	229
1703667	CHEF DNA Size Marker, <i>H. wingei</i> , 5 agarose blocks	258	1703998	Trans-Blot Plus Roller, 6" wide	229
1703670	CHEF Mapper XA Chiller System, 120 V	254	1704017	Mini-PROTEAN II Multiscreen Apparatus	231
1703671	CHEF Mapper XA Chiller System, 100 V	254	1704018	Multiscreen Gaskets, 2	231
1703672	CHEF Mapper XA Chiller System, 220 V	254	1704019	Trans-Blot SD Agarose Gel Support Frame	225
1703673	CHEF Mapper XA Chiller System, 240 V	254	1704046	Leveling Table, for CHEF Mapper system, 20 x 30 cm	256
1703688	Cooling Module, for CHEF Mapper system, 100 V	256	1704070	Criterion Blotter with Plate Electrodes	227
1703689	Standard Casting Stand, for CHEF Mapper system	256	1704071	Criterion Blotter with Wire Electrodes	227
1703699	Combination Comb Holder, for CHEF Mapper system	256	1704076	Optional Criterion Blotter Cooling Coil	227
1703700	CHEF-DR III Chiller System, 120 V	255	1704077	Criterion Blotter Buffer Tank	227
1703702	CHEF-DR III Chiller System, 220/240 V	255	1704079	Criterion Blotter Lid	227
1703703	CHEF-DR III Chiller System, 100 V	255	1704080	Criterion Blotter Gel Holder Cassette	227
1703704	Wide/Long Casting Stand, for CHEF Mapper system	256	1704081	Criterion Blotter Platinum Anode Plate Electrode	227
1703707	CHEF DNA Size Standard, 8-48 kb ladder	258	1704082	Criterion Blotter Stainless-Steel Cathode Plate Electrode	227
1703711	Screened Caps, for CHEF Mapper system, 5	256	1704083	Criterion Blotter Wire Electrode Card, anode	227
1703713	50-Well Disposable Plug Molds, for CHEF Mapper system, 5 bags	256	1704084	Criterion Blotter Wire Electrode Card, cathode	227
1703725	CHEF-DR II Chiller System, 120 V	256	1704085	Thick Blot Paper, 9.5 x 15.2 cm, 50 sheets	227
1703727	CHEF-DR II Chiller System, 220/240 V	256	1704086	Foam Pads, 0.5 x 15.2 cm, 4	227
1703728	CHEF-DR II Chiller System, 100 V	256	1704087	Sealed Ice Blocks, for Criterion blotter, 2	227
1703759	Bio-Rad Fluorescent Ruler	285	1704089	Criterion Gel/Blot Assembly Tray	227
1703760	Gel Cutter Ruler	285	1704150	Trans-Blot Turbo Blotting System	224
1703812	Mini Trans-Blot, central core	226	1704151	Trans-Blot Turbo Cassette, 1	224
1703825	Trans-Blot Cell (Wire), PowerPac HC Power Supply	228	1704152	Trans-Blot Turbo Base	224
1703836	Mini Trans-Blot Cell, PowerPac HC Power Supply	226	1704156	Trans-Blot Turbo Transfer Pack, PVDF, 7 x 8.4 cm	224
1703848	Trans-Blot SD System, PowerPac HC Power Supply	225	1704157	Trans-Blot Turbo Transfer Pack, PVDF, 8.5 x 13.5 cm	224
1703849	Trans-Blot SD Cell, PowerPac Universal Power Supply	225	1704158	Trans-Blot Turbo Transfer Pack, nitrocellulose, 7 x 8.4 cm	224
1703850	Trans-Blot Cell (Plate), PowerPac HC Power Supply	228	1704159	Trans-Blot Turbo Transfer Pack, nitrocellulose, 8.5 x 13.5 cm	224
1703853	Trans-Blot Cell (Plate), Super Cooling Coil	228	1704270	Trans-Blot Turbo RTA Transfer Kit, nitrocellulose, mini	224
1703872	Criterion Blotter (Plate), PowerPac HC Power Supply	227	1704271	Trans-Blot Turbo RTA Transfer Kit, nitrocellulose, midi	224
1703874	Criterion Blotter (Wire), PowerPac HC Power Supply	227	1704272	Trans-Blot Turbo RTA Transfer Kit, PVDF, mini	224

# Catalog Number Index

bio-rad.com

Cat. #	Description	Page	Cat. #	Description	Page
1704273	Trans-Blot Turbo RTA Transfer Kit, PVDF, midi	224	1704484	Sub-Cell GT System, 15 x 25 cm tray, gel caster	248
1704274	Trans-Blot Turbo RTA Transfer Kit, LF PVDF, mini	224	1704485	Wide Mini-Sub Cell GT System, 15 x 7 cm tray, gel caster	247
1704275	Trans-Blot Turbo RTA Transfer Kit, PVDF, midi	224	1704486	Mini-Sub Cell GT System, 7 x 7 cm tray, gel caster	246
1704320	Comb Holder, for adj. ht. combs	247	1704487	Mini ReadySub-Cell GT Cell	246
1704321	Comb, 20-well, adj. ht., 0.75 mm	249	1704489	Wide Mini ReadySub-Cell GT Cell	247
1704322	Comb, 20-well, adj. ht., 1.5 mm	249	1704491	Mini Handcasting Kit	246
1704323	Comb, 15-well, adj. ht., 0.75 mm	249	1704497	Wide Mini Handcasting Kit	247
1704324	Comb, 15-well, adj. ht., 1.5 mm	249	1704500	Sub-Cell Model 96 Cell, 25 x 10 cm tray, gel caster	250
1704325	Comb, 10-well, adj. ht., 0.75 mm	249	1704501	Sub-Cell Model 96 Cell, 25 x 15 cm tray, gel caster	250
1704326	Comb, 10-well, adj. ht., 1.5 mm	249	1704502	Sub-Cell Model 96 Cell, 25 x 10 cm tray	250
1704328	Preparative Comb, adj. ht., 1 prep/2 ref. wells, 3 mm	249	1704503	Sub-Cell Model 96 Cell, 25 x 15 cm tray	250
1704330	Original UV-Transparent Mini-Gel Tray, 7 x 10 cm	246	1704504	Sub-Cell Model 192 Cell, 25 x 10 cm tray, gel caster	251
1704331	Mini-Comb Holder, for adj. ht. combs	246	1704505	Sub-Cell Model 192 Cell, 25 x 15 cm tray, gel caster	251
1704332	Mini Comb, 15-well, adj. ht., 1.0 mm	246	1704506	Sub-Cell Model 192 Cell, 25 x 20 cm tray, gel caster	251
1704333	Mini Comb, 8-well, adj. ht., 1.0 mm	246	1704507	Sub-Cell Model 192 Cell, 25 x 25 cm tray, gel caster	251
1704342	Mini Comb, 1 prep/2 ref. wells, adj. ht., 3 mm	246	1704508	Sub-Cell Model 192 Cell, 25 x 10 cm tray	251
1704344	Comb, 30-well, adj. ht., 1.5 mm	249	1704509	Sub-Cell Model 192 Cell, 25 x 15 cm tray	251
1704362	Mini-Sub Cell GT Anode QuickSnap Electrode Assembly	246	1704510	Sub-Cell Model 192 Cell, 25 x 20 cm tray	251
1704363	Mini-Sub Cell GT Cathode QuickSnap Electrode Assembly	246	1704511	Sub-Cell Model 192 Cell, 25 x 25 cm tray	251
1704372	Wide Mini-Sub Cell GT Anode QuickSnap Electrode Assembly	247	1704514	Model 96 Gel Caster	250
1704373	Wide Mini-Sub Cell GT Cathode QuickSnap Electrode Assembly	247	1704517	Model 192 Gel Caster	251
1704392	Sub-Cell GT Anode QuickSnap Electrode Assembly	248	1704518	Model 96/192 Anode Electrode Assembly	250
1704393	Sub-Cell GT Cathode QuickSnap Electrode Assembly	248	1704519	Model 96/192 Cathode Electrode Assembly	250
1704401	Sub-Cell GT System, with 15 x 10 cm tray	248	1704520	Model 96/192 Gel Casting Gates	250
1704402	Sub-Cell GT System, with 15 x 15 cm tray	248	1704521	UV-Transparent Gel Tray, 25 x 10 cm	251
1704403	Sub-Cell GT System, with 15 x 20 cm tray	248	1704522	UV-Transparent Gel Tray, 25 x 15 cm	250
1704404	Sub-Cell GT System, with 15 x 25 cm tray	248	1704523	UV-Transparent Gel Tray, 25 x 20 cm	251
1704405	Wide Mini-Sub Cell GT System, with 15 x 7 cm tray	247	1704524	UV-Transparent Gel Tray, 25 x 25 cm	251
1704406	Mini-Sub Cell GT System, with 7 x 7 cm tray	246	1704525	Sub-Cell Models 96 and 192 Comb Holder	250
1704412	Gel Caster, full size	248	1704526	High-Throughput Comb, adj. ht., 26-well, 0.75 mm	250
1704415	Sub-Cell GT Casting Gates, 2	248	1704527	High-Throughput Comb, adj. ht., 26-well, 1.5 mm	250
1704416	Sub-Cell GT UV-Transparent Gel Tray, 15 x 10 cm	247	1704528	High-Throughput Comb, adj. ht., 51-well, 0.75 mm	250
1704417	Sub-Cell GT UV-Transparent Gel Tray, 15 x 15 cm	248	1704529	High-Throughput Comb, adj. ht., 51-well, 1.5 mm	250
1704418	Sub-Cell GT UV-Transparent Gel Tray, 15 x 20 cm	248	1704530	High-Throughput Comb, adj. ht., 2 or 4 prep/2 ref. wells, 0.75 mm	250
1704419	Sub-Cell GT UV-Transparent Gel Tray, 15 x 25 cm	248	1704531	High-Throughput Comb, adj. ht., 2 or 4 prep/2 ref. wells, 1.5 mm	250
1704422	Mini Gel Caster, for Sub-Cell GT cell	246	1704537	Model 96/192 Buffer Recirculation Kit	250
1704425	Wide Mini-Sub Cell GT Casting Gates, 2	247	1704990	Trans-Blot Plus Super Cooling Coil	229
1704426	Sub-Cell GT UV-Transparent Wide Mini-Gel Tray, 15 x 7 cm	247	1704991	Trans-Blot Plus Platinum Anode Plate Electrode	229
1704434	Mini-Sub Cell GT Casting Gates, 2	246	1704992	Trans-Blot Plus Stainless-Steel Cathode Plate Electrode	229
1704435	Sub-Cell GT UV-Transparent Mini-Gel Tray, 7 x 10 cm	246	1705010	Immun-Star AP GAM-AP Detection Kit	239
1704436	Sub-Cell GT UV-Transparent Mini-Gel Tray, 7 x 7 cm	246	1705011	Immun-Star AP GAR-AP Detection Kit	239
1704440	Preparative Comb, fixed ht., 1 prep/2 ref. wells, 1.5 mm	249	1705012	Immun-Star AP Substrate Pack	239
1704441	Preparative Comb, fixed ht., 2 prep/2 ref. wells, 1.5 mm	249	1705018	Immun-Star AP Substrate	239
1704442	Preparative Comb, fixed ht., 4 prep/2 ref. wells, 1.5 mm	249	1705046	Immun-Star Goat Anti-Rabbit (GAR)-HRP, 2 ml	242
1704443	Comb, 10-well, fixed ht., 0.75 mm	249	1705047	Immun-Star Goat Anti-Mouse (GAM)-HRP, 2 ml	242
1704444	Comb, 10-well, fixed ht., 1.5 mm	249	1705060	Clarity Western ECL Substrate, 200 ml	160
1704445	Comb, 15-well, fixed ht., 0.75 mm	249	1705061	Clarity Western ECL Substrate, 500 ml	160
1704446	Comb, 15-well, fixed ht., 1.5 mm	249	1706403	Biotinylated AP, 1 ml	242
1704447	Comb, 20-well, fixed ht., 0.75 mm	249	1706404	Blotting-Grade Blocker, 300 g	236
1704448	Comb, 20-well, fixed ht., 1.5 mm	249	1706425	Protein G-HRP Conjugate, 1 ml	242
1704449	Comb, 30-well, fixed ht., 1.5 mm	249	1706431	HRP Conjugate Substrate Kit	240
1704450	Multichannel Pipet-Compatible Comb, 10-well, fixed ht., 0.75 mm	249	1706432	AP Conjugate Substrate Kit	241
1704451	Multichannel Pipet-Compatible Comb, 10-well, fixed ht., 1.5 mm	249	1706435	10x Tris Buffered Saline, 1 L	236
1704452	Multichannel Pipet-Compatible Comb, 14-well, fixed ht., 0.75 mm	249	1706460	Immun-Blot Goat Anti-Rabbit IgG (H + L)-AP Assay Kit	241
1704453	Multichannel Pipet-Compatible Comb, 14-well, fixed ht., 1.5 mm	249	1706461	Immun-Blot Goat Anti-Mouse IgG (H + L)-AP Assay Kit	241
1704454	Multichannel Pipet-Compatible Comb, 18-well, fixed ht., 0.75 mm	249	1706462	Immun-Blot Goat Anti-Human IgG (H + L)-AP Assay Kit	241
1704455	Multichannel Pipet-Compatible Comb, 18-well, fixed ht., 1.5 mm	249	1706463	Immun-Blot Goat Anti-Rabbit IgG (H + L)-HRP Assay Kit	240
1704456	Multichannel Pipet-Compatible Comb, 26-well, fixed ht., 0.75 mm	249	1706464	Immun-Blot Goat Anti-Mouse IgG (H + L)-HRP Assay Kit	240
1704457	Multichannel Pipet-Compatible Comb, 26-well, fixed ht., 1.5 mm	249	1706465	Immun-Blot Goat Anti-Human IgG (H + L)-HRP Assay Kit	240
1704460	Mini Comb, 1 prep/2 ref. wells, fixed ht., 1.5 mm	246	1706515	Goat Anti-Rabbit IgG (H + L)-HRP Conjugate, 2 ml	242
1704461	Mini Comb, 2 prep/2 ref. wells, fixed ht., 1.5 mm	246	1706516	Goat Anti-Mouse IgG (H + L)-HRP Conjugate, 2 ml	242
1704462	Mini Comb, 8-well, fixed ht., 0.75 mm	246	1706518	Goat Anti-Rabbit IgG-AP Conjugate, 1 ml	242
1704463	Mini Comb, 8-well, fixed ht., 1.5 mm	246	1706520	Goat Anti-Mouse IgG-AP Conjugate, 1 ml	242
1704464	Mini Comb, 15-well, fixed ht., 0.75 mm	246	1706521	Goat Anti-Human IgG-AP Conjugate, 1 ml	242
1704465	Mini Comb, 15-well, fixed ht., 1.5 mm	246	1706522	Protein A-HRP Conjugate, 1 ml	242
1704466	Mini-Sub Cell GT System, with 7 x 10 cm tray	246	1706527	Colloidal Gold Total Protein Stain, 500 ml	243
1704467	Mini-Sub Cell GT System, with 7 x 10 cm tray, gel caster	246	1706528	Avidin-HRP, 2 ml	242
1704468	Wide Mini-Sub Cell GT System, with 15 x 10 cm tray	247	1706531	Tween 20, EIA grade, 100 ml	197
1704469	Wide Mini-Sub Cell GT System, with 15 x 10 cm tray, gel caster	247	1706534	HRP Color Development Reagent, 4CN, 5 g	240
1704481	Sub-Cell GT System, 15 x 10 cm tray, gel caster	248	1706535	HRP Color Development Reagent, DAB, 5 g	240
1704482	Sub-Cell GT System, 15 x 15 cm tray, gel caster	248	1706537	Gelatin, EIA grade, 200 g	236
1704483	Sub-Cell GT System, 15 x 20 cm tray, gel caster	248	1706542	Bio-Dot SF Apparatus	230

# Catalog Number Index

bio-rad.com

Cat. #	Description	Page	Cat. #	Description	Page
1706543	Bio-Dot SF Module, for Bio-Dot to Bio-Dot SF conversion	230	1708351	EZ Load 20 bp Molecular Ruler	263
1706544	Bio-Dot SF Gaskets, 2	230	1708352	EZ Load 100 bp Molecular Ruler	263
1706545	Bio-Dot Apparatus	230	1708353	EZ Load 100 bp PCR Molecular Ruler	263
1706546	Bio-Dot Gaskets, 3	230	1708354	EZ Load 500 bp Molecular Ruler	263
1706547	Bio-Dot Module, for Bio-Dot SF to Bio-Dot conversion	230	1708355	EZ Load 1 kb Molecular Ruler	263
1706887	365 nm UV Lamps, 6	282	1708356	EZ Load Precision Molecular Mass Ruler	263
1707009	ImmunoWash 1575 Microplate Washer, 100-220 V	331	1708370	ChemiDoc Touch Imager	281
1707021	ImmunoWash 1575 12-Channel Manifold	331	1708372	White Tray	281
1707026	ImmunoWash 1575 Standard Maintenance Kit	331	1708373	Blue Tray	281
1707581	Mitsubishi Thermal Printer Paper, 4 rolls	282	1708374	UV /SF Tray	281
1707806	Eraser Screen-K, 220/240 V	286	1708375	UV Safety shield	281
1707809	Eraser Screen-K, 110/120 V	286	1708376	Gel Alignment Templates	281
1707811	Sample Tray	286	1708377	Attenuation Tray	281
1707812	Multi-Sample Tray I	286	1708378	IQ/OQ Protocols	281
1707814	Microplate Adaptor, for multi-sample tray I	286	1708380	Leveling Feet	281
1707819	Multi-Sample Tray II	286	1708381	ChemiDoc Touch V3 Western Workflow for Mini Gels	221
1707841	Imaging Screen-K (Kodak), 35 x 43 cm	286	1708382	ChemiDoc Touch V3 Western Workflow for Midi Gels	221
1707843	Imaging Screen-K (Kodak), 20 x 25 cm	286	1708840	iScript Ready-to-Use cDNA Supermix, 25 x 20 µl rxn	384
1707861	Exposure Cassette-K, for 20 x 25 cm Kodak screen	286	1708841	iScript Ready-to-Use cDNA Supermix, 100 x 20 µl rxn	384
1707862	Exposure Cassette-K, for 35 x 43 cm Kodak screen	286	1708860	iQ Supermix, 100 rxn	377
1707863	Filter 555 nm LP	286	1708862	iQ Supermix, 500 rxn	377
1707865	Filter 695 nm BP	286	1708864	iQ Supermix, 1,000 rxn	377
1707866	Filter 605 nm BP	286	1708870	iTaq DNA Polymerase, 250 U	360
1707867	Blank Filter Holder	286	1708872	MgCl <sub>2</sub> Solution, 50 mM, 1.25 ml	385
1707896	Filter 640 nm BP	286	1708874	dNTP Mix, 200 µl, 10 mM each dNTP	385
1707991	GS-900 Calibrated Densitometry System	287	1708875	iTaq DNA Polymerase, 5,000 U	385
1707993	GS-900 Regulatory Tools Package	287	1708880	iQ SYBR Green Supermix, 100 rxn	377
1707994	GS-900 Calibrated Densitometer IQ/OQ Kit	287	1708882	iQ SYBR Green Supermix, 500 rxn	377
1708008	Orange Fluorescence Reference Plate	285	1708884	iQ SYBR Green Supermix, 1,000 rxn, 20 x 1.25 ml	377
1708026	Image Lab Focus Calibration Target	285	1708885	iQ SYBR Green Supermix, 2,000 rxn, 50 ml	377
1708074	Filter, for SYBR Green/GFP/SYBR Gold/fluorescein	285	1708886	iQ SYBR Green Supermix, 1,000 rxn, 5 x 5 ml	377
1708075	Filter, for Cy3/rhodamine	285	1708887	iQ SYBR Green Supermix, 2,000 rxn, 10 x 5 ml	377
1708076	Filter, for SYPRO Ruby/Texas Red	285	1708890	iScript cDNA Synthesis Kit, 25 rxn	360
1708081	Filter, standard emission, 62 mm	285	1708891	iScript cDNA Synthesis Kit, 100 rxn	384
1708089	Mitsubishi P93DW Printer	282	1708896	iScript Select cDNA Synthesis Kit, 25 rxn	360
1708097	Standard 302 nm UV Lamps, 6	282	1708897	iScript Select cDNA Synthesis Kit, 100 rxn	384
1708182	XcitaBlue Conversion Screen	282	1708898	iScript RT-qPCR Sample Preparation Reagent, 100 rxn	12
1708183	XcitaBlue Conversion Screen and Filter	282	1708899	iScript RT-qPCR Sample Preparation Reagent, 500 rxn	12
1708184	Gel Alignment Template	282	1709042	Model 475 Gradient Delivery System	266
1708193	Gel Doc XR+ IQ/OQ	285	1709080	DCode System for DGGE, 16 cm, 120 V	265
1708195	Gel Doc XR+ Imager with Software, PC or Mac	285	1709081	DCode System for DGGE, 16 cm, 220/240 V	265
1708199	Gel Doc XR+ Installation Kit	285	1709082	DCode System for DGGE, 16 cm, 100 V	265
1708200	AmpliSize Molecular Ruler	263	1709088	DCode System for CDGE, 100 V	265
1708201	20 bp Molecular Ruler	263	1709091	DCode System for TTGE, 100 V	265
1708202	100 bp Molecular Ruler	263	1709105	Complete DCode System, PC, 120 V	265
1708203	500 bp Molecular Ruler	263	1709125	DGGE Kit, 16 cm	266
1708204	1 kb Molecular Ruler	263	1709126	DGGE Kit, 10 cm	266
1708205	2.5 kb Molecular Ruler	263	1709127	CDGE/TTGE Kit, 16 cm	266
1708206	100 bp PCR Molecular Ruler	263	1709128	Complete SSCP Kit, 20 cm	266
1708207	Precision Molecular Mass Ruler	263	1709150	DCode Control Reagent Kit for DGGE/CDGE/TTGE	266
1708235	Opti-4CN Substrate Kit	240	1709151	DCode Control Reagent Kit for SSCP	266
1708236	Opti-4CN Goat Anti-Rabbit Detection Kit	240	1709170	DCode Electrophoresis Reagent Kit for DGGE	266
1708237	Opti-4CN Goat Anti-Mouse Detection Kit	240	1709240	WinMelt Software, PC/Windows	266
1708238	Amplified Opti-4CN Substrate Kit	240	1709241	Interactive CD-ROM Training Guide	266
1708239	Amplified Opti-4CN Goat Anti-Rabbit Detection Kit	240	1709459	Filter 530 nm BP	286
1708240	Amplified Opti-4CN Goat Anti-Mouse Detection Kit	240	1709620	PDQuest Basic 2-D Analysis Software	295
1708256	ChemiDoc XRS+ IQ/OQ	285	1709630	PDQuest Advanced 2-D Analysis Software	288
1708265	ChemiDoc XRS+ Imager with Software, PC or Mac	285	1709631	PDQuest Advanced 1-User Network License	295
1708270	Gel Doc EZ Imaging System	283	1709632	PDQuest Advanced 2-User Network License	295
1708271	UV Sample Tray	283	1709633	PDQuest Advanced 3-User Network License	295
1708272	White Sample Tray	283	1709635	PDQuest Advanced 5-User Network License	295
1708273	Blue Sample Tray	283	1709636	PDQuest Advanced 10-User Network License	295
1708274	Stain-Free Sample Tray	283	1709640	PDQuest Basic to Advanced Software Version Upgrade	295
1708276	Sample Tray Holder	283	1709645	PDQuest Advanced CFR Module	295
1708277	GelDoc EZ, IQ/OQ	283	1709660	PDQuest Basic Software Version Upgrade	295
1708280	ChemiDoc MP Imaging System with Software, PC or Mac	282	1709670	PDQuest Advanced Software Version Upgrade	295
1708283	Red LED Module	282	1709690	Image Lab Software, version 4.0	281
1708284	Green LED Module	282	1709691	Image Lab Software, Security Edition, 1 license	293
1708285	Blue LED Module	282	1709692	Image Lab Software, Security Edition, 5 licenses	293
1708289	White Light Conversion Screen	282	1709693	Image Lab Software, Security Edition, 10 licenses	293
1708294	ChemiDoc MP IQ/OQ	282	1709799	Real-Time PCR Applications Guide	362
1708299	ChemiDoc XRS+ Installation Kit	285	17100055	Sheath Fluid, 20 L	299

# Catalog Number Index

bio-rad.com

Cat. #	Description	Page	Cat. #	Description	Page
171000201	Bio-Plex 200 System, 100-240 V . . . . .	299	171AFR1CK	Bio-Plex Pro RBM Human IGF panel . . . . .	307
171000205	Bio-Plex 200 System with HTF . . . . .	299	171AGR1CK	Bio-Plex Pro RBM Human IGFBP Panel . . . . .	307
171001513	Bio-Plex Data Pro Software . . . . .	304	171AHR1CK	Bio-Plex Pro RBM Human Hormone Panel 1 . . . . .	307
171001523	Bio-Plex Data Pro Plus Software . . . . .	304	171AK99MR2	Bio-Plex Pro Human Chemokine Panel 42-plex . . . . .	311
171002002	Communication Cable, for Bio-Plex system, HTF . . . . .	299	171AL001M	Bio-Plex Pro Human Inflammation Panel 37-Plex . . . . .	308
171002003	Communication Cable, for Bio-Plex system, USB . . . . .	299	171AL002M	Bio-Plex Pro Human Inflammation Panel 24-Plex . . . . .	308
171002010	Sheath Fluid Bottle, for Bio-Plex system, 1 L . . . . .	299	171AL003M	Bio-Plex Pro Human Inflammation Treg Cytokine Panel . . . . .	308
171002012	Sheath Waste Bottle, for Bio-Plex system, 1 L . . . . .	299	171AM001M	Bio-Plex Pro Human MMP Panel 9-Plex . . . . .	305
171002020	Sample Needle, for Bio-Plex system, long . . . . .	299	171AM002M	Bio-Plex Pro Human TIMP Panel 4-Plex . . . . .	305
171002023	Needle Guide, for Bio-Plex system . . . . .	299	171AMR1CK	Bio-Plex Pro RBM Human Metabolic Panel 1 . . . . .	306
171002024	Alignment Guide, for Bio-Plex system . . . . .	299	171AMR2CK	Bio-Plex Pro RBM Human Metabolic Panel 2 . . . . .	306
171002026	Needle Adjustment Wrench, for Bio-Plex system . . . . .	299	171AMR3CK	Bio-Plex Pro RBM Human Metabolic Panel 3 . . . . .	306
171002030	Protective Shield for Sample Needle . . . . .	299	171AMR4CK	Bio-Plex Pro RBM Human Metabolic Panel 4 . . . . .	307
171002032	Air Intake Filter . . . . .	299	171ATR1CK	Bio-Plex Pro RBM Human Kidney Toxicity Panel 1 . . . . .	318
171002033	Syringe Seal, for Bio-Plex system . . . . .	299	171ATR2CK	Bio-Plex Pro RBM Human Kidney Toxicity Panel 2 . . . . .	319
171002034	Syringe Seal with Cylinder, for Bio-Plex system . . . . .	299	171B5001M	Bio-Plex Pro Human Cytokine IL-1 $\beta$ , 1 x 96-well . . . . .	310
171002038	Sheath Fluid Filter with Quick Connect Tubing . . . . .	299	171B5002M	Bio-Plex Pro Human Cytokine IL-1ra, 1 x 96-well . . . . .	310
171002040	Sheath Cube Filter, 10 $\mu$ m . . . . .	299	171B5003M	Bio-Plex Pro Human Cytokine IL-2, 1 x 96-well . . . . .	310
171002056	Sheath Cube Filter, 10 $\mu$ m, includes tubing . . . . .	299	171B5004M	Bio-Plex Pro Human Cytokine IL-4, 1 x 96-well . . . . .	310
171012004	Bio-Plex MAGPIX Replacement Waste Fluid Container . . . . .	301	171B5005M	Bio-Plex Pro Human Cytokine IL-5, 1 x 96-well . . . . .	310
171012005	Bio-Plex MAGPIX Sample Probe Needle . . . . .	301	171B5006M	Bio-Plex Pro Human Cytokine IL-6, 1 x 96-well . . . . .	310
171012006	Bio-Plex MAGPIX Sample Probe Height Adjustment Kit . . . . .	301	171B5007M	Bio-Plex Pro Human Cytokine IL-7, 1 x 96-well . . . . .	310
171012008	Bio-Plex MAGPIX 96-Well Plate Heater Block . . . . .	301	171B5008M	Bio-Plex Pro Human Cytokine IL-8, 1 x 96-well . . . . .	310
171020100	Bio-Plex Handheld Magnetic Washer . . . . .	301	171B5009M	Bio-Plex Pro Human Cytokine IL-9, 1 x 96-well . . . . .	310
171022001	Swivel Base, for Bio-Plex 3D system . . . . .	300	171B5010M	Bio-Plex Pro Human Cytokine IL-10, 1 x 96-well . . . . .	310
171025001	Bio-Plex Pro Flat Bottom Plates, 40 x 96-well plates . . . . .	302	171B5011M	Bio-Plex Pro Human Cytokine IL-12 (p70), 1 x 96-well . . . . .	310
171051555	Bio-Plex Manager MP Software . . . . .	301	171B5012M	Bio-Plex Pro Human Cytokine IL-13, 1 x 96-well . . . . .	310
171061000	Bio-Plex Probe Height Adjustment Plate . . . . .	301	171B5013M	Bio-Plex Pro Human Cytokine IL-15, 1 x 96-well . . . . .	310
171203001	Bio-Plex Validation Kit 4.0 . . . . .	299	171B5014M	Bio-Plex Pro Human Cytokine IL-17, 1 x 96-well . . . . .	310
171203033	Bio-Plex MCV Plate IV . . . . .	299	171B5015M	Bio-Plex Pro Human Cytokine Eotaxin, 1 x 96-well . . . . .	310
171203050	Bio-Plex Reservoir . . . . .	299	171B5016M	Bio-Plex Pro Human Cytokine Basic FGF, 1 x 96-well . . . . .	310
171203060	Bio-Plex Calibration Kit . . . . .	299	171B5017M	Bio-Plex Pro Human Cytokine G-CSF, 1 x 96-well . . . . .	310
171213001	Bio-Plex MAGPIX Calibration Kit . . . . .	301	171B5018M	Bio-Plex Pro Human Cytokine GM-CSF, 1 x 96-well . . . . .	310
171213002	Bio-Plex MAGPIX Verification Kit . . . . .	301	171B5019M	Bio-Plex Pro Human Cytokine IFN- $\gamma$ , 1 x 96-well . . . . .	310
171213003	Bio-Plex MAGPIX Drive Fluid . . . . .	301	171B5020M	Bio-Plex Pro Human Cytokine IP-10, 1 x 96-well . . . . .	310
171304006M	Bio-Plex Pro Cell Signaling Reagent Kit . . . . .	317	171B5021M	Bio-Plex Pro Human Cytokine MCP-1 (MCAF), 1 x 96-well . . . . .	310
171304011	Bio-Plex Cell Lysis Kit, 1 x 96-well . . . . .	4	171B5022M	Bio-Plex Pro Human Cytokine MIP-1 $\alpha$ , 1 x 96-well . . . . .	310
171304012	Bio-Plex Cell Lysis Kit, 10 x 96-well . . . . .	4	171B5023M	Bio-Plex Pro Human Cytokine MIP-1 $\beta$ , 1 x 96-well . . . . .	310
171304050	Bio-Plex Pro Human Acute Phase Reagent Kit, 1 x 96-well . . . . .	325	171B5024M	Bio-Plex Pro Human Cytokine PDGF-BB, 1 x 96-well . . . . .	310
171304055M	Bio-Plex Pro Reagent Kit II, 1 x 96-well Flat Bottom Plate . . . . .	311	171B5025M	Bio-Plex Pro Human Cytokine RANTES, 1 x 96-well . . . . .	310
171304070	Bio-Plex Pro Reagent Kit, 1 x 96-well . . . . .	314	171B5026M	Bio-Plex Pro Human Cytokine TNF- $\alpha$ , 1 x 96-well . . . . .	310
171304070M	Bio-Plex Pro Reagent Kit with Flat Bottom Plate . . . . .	310	171B5027M	Bio-Plex Pro Human Cytokine VEGF Set, 1 x 96-well . . . . .	310
171304071	Bio-Plex Pro Reagent Kit, 10 x 96-well . . . . .	313	171B6001M	Bio-Plex Pro Human Cytokine IL-1 $\alpha$ , 1 x 96-well . . . . .	310
171304080M	Bio-Plex Pro High Dilution Reagent Kit . . . . .	313	171B6002M	Bio-Plex Pro Human Cytokine IL-2R $\alpha$ , 1 x 96-well . . . . .	310
171304090M	Bio-Plex Pro Reagent Kit III with Flat Bottom Plate . . . . .	308	171B6003M	Bio-Plex Pro Human Cytokine IL-3, 1 x 96-well . . . . .	310
171304500	Bio-Plex Wash Buffer, 1.5 L . . . . .	302	171B6004M	Bio-Plex Pro Human Cytokine IL-12 (p40), 1 x 96-well . . . . .	310
171304501	Bio-Plex Streptavidin-PE . . . . .	326	171B6005M	Bio-Plex Pro Human Cytokine IL-16, 1 x 96-well . . . . .	310
171304502	Filter Plate . . . . .	302	171B6006M	Bio-Plex Pro Human Cytokine CTACK, 1 x 96-well . . . . .	310
171304515	Bio-Plex Pro Cell Signaling Wash Buffer . . . . .	317	171B6007M	Bio-Plex Pro Human Cytokine Gro- $\alpha$ , 1 x 96-well . . . . .	310
171305050	Bio-Plex Pro Human Acute Phase Diluent Kit, 1 x 96-well . . . . .	325	171B6008M	Bio-Plex Pro Human Cytokine HGF, 1 x 96-well . . . . .	310
171406001	Bio-Plex Amine Coupling Kit . . . . .	326	171B6009M	Bio-Plex Pro Human Cytokine ICAM-1, 1 x 96-well . . . . .	310
1715060xx	Bio-Plex COOH Beads, xx = bead region, 1 ml . . . . .	326	171B6010M	Bio-Plex Pro Human Cytokine IFN- $\alpha$ 2, 1 x 96-well . . . . .	310
1716060xx	Bio-Plex COOH Beads xx = bead region, 16 ml . . . . .	326	171B6011M	Bio-Plex Pro Human Cytokine LIF, 1 x 96-well . . . . .	310
171A3100M	Bio-Plex Pro Human Isotyping Panel, 6-plex . . . . .	324	171B6012M	Bio-Plex Pro Human Cytokine MCP-3, 1 x 96-well . . . . .	310
171A3101M	Bio-Plex Pro Human IgA Isotyping Assay . . . . .	324	171B6013M	Bio-Plex Pro Human Cytokine M-CSF, 1 x 96-well . . . . .	310
171A3102M	Bio-Plex Pro Human IgE Isotyping Assay . . . . .	324	171B6014M	Bio-Plex Pro Human Cytokine MIF, 1 x 96-well . . . . .	310
171A3103M	Bio-Plex Pro Human IgG Total Isotyping Assay . . . . .	324	171B6015M	Bio-Plex Pro Human Cytokine MIG, 1 x 96-well . . . . .	310
171A3104M	Bio-Plex Pro Human IgM Isotyping Assay . . . . .	324	171B6016M	Bio-Plex Pro Human Cytokine $\beta$ -NGF, 1 x 96-well . . . . .	310
171A4007M	Bio-Plex Pro Human Acute Phase 5-Plex Panel, 1 x 96-well . . . . .	325	171B6017M	Bio-Plex Pro Human Cytokine SCF, 1 x 96-well . . . . .	310
171A4008M	Bio-Plex Pro Human Acute Phase 5-Plex Panel, 10 x 96-well . . . . .	325	171B6018M	Bio-Plex Pro Human Cytokine SCGF- $\beta$ , 1 x 96-well . . . . .	310
171A4009M	Bio-Plex Pro Human Acute Phase 4-Plex Panel, 1 x 96-well . . . . .	325	171B6019M	Bio-Plex Pro Human Cytokine SDF-1 $\alpha$ , 1 x 96-well . . . . .	310
171A4010M	Bio-Plex Pro Human Acute Phase 4-Plex Panel, 10 x 96-well . . . . .	325	171B6020M	Bio-Plex Pro Human Cytokine TNF- $\beta$ , 1 x 96-well . . . . .	310
171A4C07M	Bio-Plex Pro Human Acute Phase 5-Plex Panel Complete Kit . . . . .	324	171B6021M	Bio-Plex Pro Human Cytokine TRAIL, 1 x 96-well . . . . .	310
171A4C09M	Bio-Plex Pro Human Acute Phase 4-Plex Panel Complete Kit . . . . .	324	171B6022M	Bio-Plex Pro Human Cytokine VCAM-1, 1 x 96-well . . . . .	310
171A4S07M	Bio-Plex Pro Human Acute Phase Complete Kit . . . . .	324	171B7003M	Bio-Plex Pro Human Diabetes C-Peptide . . . . .	322
171A7001M	Bio-Plex Pro Human Diabetes 10-Plex Assay, 1 x 96-well . . . . .	322	171B7004M	Bio-Plex Pro Human Diabetes Ghrelin . . . . .	322
171A7002M	Bio-Plex Pro Human Diabetes Adiponectin and Adiponectin Assays . . . . .	322	171B7005M	Bio-Plex Pro Human Diabetes GIP . . . . .	322
171A7003M	Bio-Plex Pro Human Diabetes Adiponectin Assay, 1 x 96-well . . . . .	322	171B7006M	Bio-Plex Pro Human Diabetes GLP-1 . . . . .	322
171A7004M	Bio-Plex Pro Human Diabetes Adiponectin Assay, 1 x 96-well . . . . .	322	171B7007M	Bio-Plex Pro Human Diabetes Glucagon . . . . .	322
171AA001M	Bio-Plex Pro Human Th17 Cytokine 15-Plex Panel . . . . .	311	171B7008M	Bio-Plex Pro Human Diabetes Insulin . . . . .	322
171AC500M	Bio-Plex Pro Human Cancer Biomarker Panel 1 . . . . .	320	171B7009M	Bio-Plex Pro Human Diabetes Leptin . . . . .	322
171AC600M	Bio-Plex Pro Human Cancer Biomarker Panel 2 . . . . .	320	171B7010M	Bio-Plex Pro Human Diabetes PAI-1 . . . . .	322



# Catalog Number Index

bio-rad.com

Cat. #	Description	Page	Cat. #	Description	Page
171B7011M	Bio-Plex Pro Human Diabetes Resistin	322	171BK34MR2	Bio-Plex Pro Human Chemokine IP-10/CXCL10 Set	311
171B7012M	Bio-Plex Pro Human Diabetes Vsfatin	322	171BK35MR2	Bio-Plex Pro Human Chemokine I-TAC/CXCL11 Set	311
171BA001M	Bio-Plex Pro Human Th17 IL-1 $\beta$ Cytokine	311	171BK36MR2	Bio-Plex Pro Human Chemokine MCP-1/CCL2 Set	311
171BA002M	Bio-Plex Pro Human Th17 IL-4 Cytokine	311	171BK37MR2	Bio-Plex Pro Human Chemokine MCP-2/CCL8 Set	311
171BA003M	Bio-Plex Pro Human Th17 IL-6 Cytokine	311	171BK38MR2	Bio-Plex Pro Human Chemokine MCP-3/CCL7 Set	311
171BA004M	Bio-Plex Pro Human Th17 IL-10 Cytokine	311	171BK39MR2	Bio-Plex Pro Human Chemokine MCP-4/CCL13 Set	311
171BA005M	Bio-Plex Pro Human Th17 IL-17A Cytokine	311	171BK41MR2	Bio-Plex Pro Human Chemokine MDC/CCL22 Set	311
171BA006M	Bio-Plex Pro Human Th17 IL-17F Cytokine	311	171BK42MR2	Bio-Plex Pro Human Chemokine MIF Set	311
171BA007M	Bio-Plex Pro Human Th17 IL-21 Cytokine	311	171BK43MR2	Bio-Plex Pro Human Chemokine MIG/CXCL9 Set	311
171BA008M	Bio-Plex Pro Human Th17 IL-22 Cytokine	311	171BK44MR2	Bio-Plex Pro Human Chemokine MIP-1 $\alpha$ /CCL3 Set	311
171BA009M	Bio-Plex Pro Human Th17 IL-23 Cytokine	311	171BK46MR2	Bio-Plex Pro Human Chemokine MIP-1 $\delta$ /CCL15 Set	311
171BA010M	Bio-Plex Pro Human Th17 IL-25 Cytokine	311	171BK47MR2	Bio-Plex Pro Human Chemokine MIP-3 $\alpha$ /CCL20 Set	311
171BA011M	Bio-Plex Pro Human Th17 IL-31 Cytokine	311	171BK48MR2	Bio-Plex Pro Human Chemokine MIP-3 $\beta$ /CCL19 Set	311
171BA012M	Bio-Plex Pro Human Th17 IL-33 Cytokine	311	171BK49MR2	Bio-Plex Pro Human Chemokine MIP-1 $\gamma$ /CCL23 Set	311
171BA013M	Bio-Plex Pro Human Th17 IFN- $\gamma$ Cytokine	311	171BK51MR2	Bio-Plex Pro Human Chemokine SCYB16/CXCL16 Set	311
171BA014M	Bio-Plex Pro Human Th17 sCD40L Cytokine	311	171BK52MR2	Bio-Plex Pro Human Chemokine SDF1 $\alpha$ + $\beta$ /CXCL12 Set	311
171BA015M	Bio-Plex Pro Human Th17 TNF- $\alpha$ Cytokine	311	171BK53MR2	Bio-Plex Pro Human Chemokine TARC/CCL17 Set	311
171BA016M	Bio-Plex Pro Human Th17 IL-17A/F Cytokine	311	171BK54MR2	Bio-Plex Pro Human Chemokine TECK/CCL25 Set	311
171BC501M	Bio-Plex Pro Human Cancer Biomarker Panel 1 sEGFR	320	171BK55MR2	Bio-Plex Pro Human Chemokine TNF- $\alpha$ Set	311
171BC502M	Bio-Plex Pro Human Cancer Biomarker Panel 1 FGF-basic	320	171BL001M	Bio-Plex Pro Human Inflammation APRIL / TNFSF13 Set	308
171BC503M	Bio-Plex Pro Human Cancer Biomarker Panel 1 Follistatin	320	171BL002M	Bio-Plex Pro Human Inflammation BAFF / TNFSF13B Set	308
171BC504M	Bio-Plex Pro Human Cancer Biomarker Panel 1 G-CSF	320	171BL003M	Bio-Plex Pro Human Inflammation sCD30 / TNFRSF8 Set	308
171BC505M	Bio-Plex Pro Human Cancer Biomarker Panel 1 HGF	320	171BL004M	Bio-Plex Pro Human Inflammation sCD163 Set	308
171BC506M	Bio-Plex Pro Human Cancer Biomarker Panel 1 sHER-2/neu	320	171BL005M	Bio-Plex Pro Human Inflammation Chitinase 3-like 1 Set	308
171BC507M	Bio-Plex Pro Human Cancer Biomarker Panel 1 sIL-6R $\alpha$	320	171BL006M	Bio-Plex Pro Human Inflammation gp130 / sIL-6R $\beta$ Set	308
171BC508M	Bio-Plex Pro Human Cancer Biomarker Panel 1 Leptin	320	171BL007M	Bio-Plex Pro Human Inflammation IFN- $\alpha$ 2 Set	308
171BC509M	Bio-Plex Pro Human Cancer Biomarker Panel 1 Osteopontin	320	171BL008M	Bio-Plex Pro Human Inflammation IFN- $\beta$ Set	308
171BC510M	Bio-Plex Pro Human Cancer Biomarker Panel 1 PECAM-1	320	171BL009M	Bio-Plex Pro Human Inflammation IFN- $\gamma$ Set	308
171BC511M	Bio-Plex Pro Human Cancer Biomarker Panel 1 PDGF-AB/BB	320	171BL010M	Bio-Plex Pro Human Inflammation IL-2 Set	308
171BC512M	Bio-Plex Pro Human Cancer Biomarker Panel 1 Prolactin	320	171BL011M	Bio-Plex Pro Human Inflammation sIL-6R $\alpha$ Set	308
171BC513M	Bio-Plex Pro Human Cancer Biomarker Panel 1 SCF	320	171BL012M	Bio-Plex Pro Human Inflammation IL-8 Set	308
171BC514M	Bio-Plex Pro Human Cancer Biomarker Panel 1 sTIE-2	320	171BL013M	Bio-Plex Pro Human Inflammation IL-10 Set	308
171BC515M	Bio-Plex Pro Human Cancer Biomarker Panel 1 sVEGFR-1	320	171BL014M	Bio-Plex Pro Human Inflammation IL-11 Set	308
171BC516M	Bio-Plex Pro Human Cancer Biomarker Panel 1 sVEGFR-2	320	171BL015M	Bio-Plex Pro Human Inflammation IL-12 (p40) Set	308
171BC601M	Bio-Plex Pro Human Cancer Biomarker Panel 2 Angiopoietin-2	320	171BL016M	Bio-Plex Pro Human Inflammation IL-12 (p70) Set	308
171BC602M	Bio-Plex Pro Human Cancer Biomarker Panel 2 sCD40L	320	171BL017M	Bio-Plex Pro Human Inflammation IL-19 Set	308
171BC603M	Bio-Plex Pro Human Cancer Biomarker Panel 2 EGF	320	171BL018M	Bio-Plex Pro Human Inflammation IL-20 Set	308
171BC604M	Bio-Plex Pro Human Cancer Biomarker Panel 2 Endoglin	320	171BL019M	Bio-Plex Pro Human Inflammation IL-22 Set	308
171BC605M	Bio-Plex Pro Human Cancer Biomarker Panel 2 sFASL	320	171BL020M	Bio-Plex Pro Human Inflammation IL-26 Set	308
171BC606M	Bio-Plex Pro Human Cancer Biomarker Panel 2 HB-EGF	320	171BL021M	Bio-Plex Pro Human Inflammation IL-27 (p28) Set	308
171BC607M	Bio-Plex Pro Human Cancer Biomarker Panel 2 IGFBP-1	320	171BL022M	Bio-Plex Pro Human Inflammation IL-28A / IFN- $\lambda$ 2 Set	308
171BC608M	Bio-Plex Pro Human Cancer Biomarker Panel 2 IL-6	320	171BL023M	Bio-Plex Pro Human Inflammation IL-29 / IFN- $\lambda$ 1 Set	308
171BC609M	Bio-Plex Pro Human Cancer Biomarker Panel 2 IL-8	320	171BL024M	Bio-Plex Pro Human Inflammation IL-32 Set	308
171BC611M	Bio-Plex Pro Human Cancer Biomarker Panel 2 PAI-1	320	171BL025M	Bio-Plex Pro Human Inflammation IL-34 Set	308
171BC612M	Bio-Plex Pro Human Cancer Biomarker Panel 2 PLGF	320	171BL026M	Bio-Plex Pro Human Inflammation IL-35 Set	308
171BC613M	Bio-Plex Pro Human Cancer Biomarker Panel 2 TGF- $\alpha$	320	171BL027M	Bio-Plex Pro Human Inflammation LIGHT / TNFSF14 Set	308
171BC614M	Bio-Plex Pro Human Cancer Biomarker Panel 2 TNF- $\alpha$	320	171BL028M	Bio-Plex Pro Human Inflammation MMP-1 Set	308
171BC615M	Bio-Plex Pro Human Cancer Biomarker Panel 2 uPA	320	171BL029M	Bio-Plex Pro Human Inflammation MMP-2 Set	308
171BC616M	Bio-Plex Pro Human Cancer Biomarker Panel 2 VEGF-A	320	171BL030M	Bio-Plex Pro Human Inflammation MMP-3 Set	308
171BC617M	Bio-Plex Pro Human Cancer Biomarker Panel 2 VEGF-C	320	171BL031M	Bio-Plex Pro Human Inflammation Osteocalcin Set	308
171BC618M	Bio-Plex Pro Human Cancer Biomarker Panel 2 VEGF-D	320	171BL032M	Bio-Plex Pro Human Inflammation Osteopontin Set	308
171BK11MR2	Bio-Plex Pro Human Chemokine 6CKine/CCL21 Set	311	171BL033M	Bio-Plex Pro Human Inflammation Pentraxin-3 Set	308
171BK12MR2	Bio-Plex Pro Human Chemokine BCA-1/CXCL13 Set	311	171BL034M	Bio-Plex Pro Human Inflammation sTNF-R1 Set	308
171BK13MR2	Bio-Plex Pro Human Chemokine CTACK/CCL27 Set	311	171BL035M	Bio-Plex Pro Human Inflammation sTNF-R2 Set	308
171BK14MR2	Bio-Plex Pro Human Chemokine ENA-78/CXCL5 Set	311	171BL036M	Bio-Plex Pro Human Inflammation TSLP Set	308
171BK15MR2	Bio-Plex Pro Human Chemokine Eotaxin/CCL11 Set	311	171BL037M	Bio-Plex Pro Human Inflammation TWEAK / TNFSF12 Set	308
171BK16MR2	Bio-Plex Pro Human Chemokine Eotaxin-2/CCL24 Set	311	171BM001M	Bio-Plex Pro Human MMP and TIMP MMP-1 Set	305
171BK17MR2	Bio-Plex Pro Human Chemokine Eotaxin-3/CCL26 Set	311	171BM002M	Bio-Plex Pro Human MMP and TIMP MMP-2 Set	305
171BK18MR2	Bio-Plex Pro Human Chemokine Fractalkine/CX3CL1	311	171BM003M	Bio-Plex Pro Human MMP and TIMP MMP-3 Set	305
171BK19MR2	Bio-Plex Pro Human Chemokine GCP-2/CXCL6 Set	311	171BM004M	Bio-Plex Pro Human MMP and TIMP MMP-7 Set	305
171BK21MR2	Bio-Plex Pro Human Chemokine GM-CSF Set	311	171BM005M	Bio-Plex Pro Human MMP and TIMP MMP-8 Set	305
171BK22MR2	Bio-Plex Pro Human Chemokine Gro- $\alpha$ /CXCL1 Set	311	171BM006M	Bio-Plex Pro Human MMP and TIMP MMP-9 Set	305
171BK23MR2	Bio-Plex Pro Human Chemokine Gro- $\beta$ /CXCL2 Set	311	171BM007M	Bio-Plex Pro Human MMP and TIMP MMP-10 Set	305
171BK24MR2	Bio-Plex Pro Human Chemokine I-309/CCL1 Set	311	171BM008M	Bio-Plex Pro Human MMP and TIMP MMP-12 Set	305
171BK25MR2	Bio-Plex Pro Human Chemokine IFN- $\gamma$ Set	311	171BM009M	Bio-Plex Pro Human MMP and TIMP MMP-13 Set	305
171BK26MR2	Bio-Plex Pro Human Chemokine IL-1 $\beta$ Set	311	171D10501	Bio-Plex Human Cytokine Standards Group I, 50-pack	310
171BK27MR2	Bio-Plex Pro Human Chemokine IL-2 Set	311	171D40002	Bio-Plex Pro Human Acute Phase Standards, 2-pack	325
171BK28MR2	Bio-Plex Pro Human Chemokine IL-4 Set	311	171D40006	Bio-Plex Pro Human Acute Phase Standards, 50-pack	325
171BK29MR2	Bio-Plex Pro Human Chemokine IL-6 Set	311	171D50001	Bio-Plex Human Cytokine Standards Group I, 48 analytes	310
171BK31MR2	Bio-Plex Pro Human Chemokine IL-8/CXCL8 Set	311	171D70001	Bio-Plex Pro Human Diabetes Standards, 1 vial of 12 analytes	322
171BK32MR2	Bio-Plex Pro Human Chemokine IL-10 Set	311	171D70050	Bio-Plex Pro Human Diabetes Standards, 50 vials of 12 analytes	322
171BK33MR2	Bio-Plex Pro Human Chemokine IL-16 Set	311	171DA0001	Bio-Plex Pro Human Th17 Cytokine Standard	311

# Catalog Number Index

bio-rad.com

Cat. #	Description	Page	Cat. #	Description	Page
171DA0501	Bio-Plex Pro Human Th17 Cytokine Standards, pkg of 50	311	171K1001M	Bio-Plex Pro Rat Cytokine 25-plex Assay	314
171DC5000	Bio-Plex Pro Human Cancer Biomarker Panel 1, 16-plex, 1-pk	320	171K1002M	Bio-Plex Pro Rat Cytokine Th1/Th2 Panel	314
171DC5001	Bio-Plex Pro Human Cancer Biomarker Panel 1, 16-plex, 50-pk	320	171KTR1CK	Bio-Plex Pro RBM Rat Kidney Toxicity Panel 1	319
171DC6000	Bio-Plex Pro Human Cancer Biomarker Panel 2, 18-Plex, 1-pk	320	171KTR2CK	Bio-Plex Pro RBM Rat Kidney Toxicity Panel 2	319
171DC6001	Bio-Plex Pro Human Cancer Biomarker Panel 2, 18-Plex, 50-pk	320	171KTR3CK	Bio-Plex Pro RBM Rat Kidney Toxicity Albumin Kit	319
171DK0001	Bio-Plex Pro Human Chemokines Standard, 1pk vial	311	171L1002M	Bio-Plex Pro Rat Cytokine EPO	314
171DK0050	Bio-Plex Pro Human Chemokines Standard, 50pk vial	311	171L1003M	Bio-Plex Pro Rat Cytokine G-CSF	314
171DL0001	Human Inflammation Std, 1PK	308	171L1004M	Bio-Plex Pro Rat Cytokine GM-CSF	314
171DL0050	Human Inflammation Std, 50PK	308	171L1005M	Bio-Plex Pro Rat Cytokine Gro/KC	314
171DM0001	MMP Standard, 1 pkg of 1 vial	305	171L1006M	Bio-Plex Pro Rat Cytokine IFN- $\gamma$	314
171DM0501	MMP Standard, pkg of 50 lot-matched vials	305	171L1007M	Bio-Plex Pro Rat Cytokine IL-1 $\alpha$	314
171F7001M	Bio-Plex Pro Mouse Diabetes 8-Plex Assay, 1 x 96-well	322	171L1008M	Bio-Plex Pro Rat Cytokine IL-1 $\beta$	314
171F7002M	Bio-Plex Pro Mouse Diabetes Adiponectin Assay	322	171L1009M	Bio-Plex Pro Rat Cytokine IL-2	314
171FA001M	Bio-Plex Pro Mouse Cytokine Th17 Panel B 8-Plex Group III	312	171L1010M	Bio-Plex Pro Rat Cytokine IL-4	314
171G5001M	Bio-Plex Pro Mouse Cytokine IL-1 $\alpha$ , 1 x 96-well	313	171L1011M	Bio-Plex Pro Rat Cytokine IL-5	314
171G5002M	Bio-Plex Pro Mouse Cytokine IL-1 $\beta$ , 1 x 96-well	313	171L1012M	Bio-Plex Pro Rat Cytokine IL-6	314
171G5003M	Bio-Plex Pro Mouse Cytokine IL-2, 1 x 96-well	313	171L1013M	Bio-Plex Pro Rat Cytokine IL-7	314
171G5004M	Bio-Plex Pro Mouse Cytokine IL-3, 1 x 96-well	313	171L1014M	Bio-Plex Pro Rat Cytokine IL-10	314
171G5005M	Bio-Plex Pro Mouse Cytokine IL-4, 1 x 96-well	313	171L1015M	Bio-Plex Pro Rat Cytokine IL-12 (p40)	314
171G5006M	Bio-Plex Pro Mouse Cytokine IL-5, 1 x 96-well	313	171L1016M	Bio-Plex Pro Rat Cytokine IL-12 (p70)	314
171G5007M	Bio-Plex Pro Mouse Cytokine IL-6, 1 x 96-well	313	171L1017M	Bio-Plex Pro Rat Cytokine IL-13	314
171G5008M	Bio-Plex Pro Mouse Cytokine IL-9, 1 x 96-well	313	171L1018M	Bio-Plex Pro Rat Cytokine IL-17	314
171G5009M	Bio-Plex Pro Mouse Cytokine IL-10, 1 x 96-well	313	171L1020M	Bio-Plex Pro Rat Cytokine M-CSF	314
171G5010M	Bio-Plex Pro Mouse Cytokine IL-12 (p40), 1 x 96-well	313	171L1021M	Bio-Plex Pro Rat Cytokine MIP-1 $\alpha$	314
171G5011M	Bio-Plex Pro Mouse Cytokine IL-12 (p70), 1 x 96-well	313	171L1022M	Bio-Plex Pro Rat Cytokine MIP-2	314
171G5012M	Bio-Plex Pro Mouse Cytokine IL-13, 1 x 96-well	313	171L1023M	Bio-Plex Pro Rat Cytokine MIP-3 $\alpha$	314
171G5013M	Bio-Plex Pro Mouse Cytokine IL-17, 1 x 96-well	313	171L1024M	Bio-Plex Pro Rat Cytokine RANTES	314
171G5014M	Bio-Plex Pro Mouse Cytokine Eotaxin, 1 x 96-well	313	171L1025M	Bio-Plex Pro Rat Cytokine TNF- $\alpha$	314
171G5015M	Bio-Plex Pro Mouse Cytokine G-CSF, 1 x 96-well	313	171L1026M	Bio-Plex Pro Rat Cytokine VEGF	314
171G5016M	Bio-Plex Pro Mouse Cytokine GM-CSF, 1 x 96-well	313	171L1027M	Bio-Plex Pro Rat Cytokine MCP-1 Set	314
171G5017M	Bio-Plex Pro Mouse Cytokine IFN- $\gamma$ , 1 x 96-well	313	171L7001M	Bio-Plex Pro Rat Diabetes Ghrelin	323
171G5018M	Bio-Plex Pro Mouse Cytokine KC, 1 x 96-well	313	171L7003M	Bio-Plex Pro Rat Diabetes GLP-1	323
171G5019M	Bio-Plex Pro Mouse Cytokine MCP-1 (MCAF), 1 x 96-well	313	171L7004M	Bio-Plex Pro Rat Diabetes Glucagon	323
171G5020M	Bio-Plex Pro Mouse Cytokine MIP-1 $\alpha$ , 1 x 96-well	313	171L7006M	Bio-Plex Pro Rat Diabetes Leptin	323
171G5021M	Bio-Plex Pro Mouse Cytokine MIP-1 $\beta$ , 1 x 96-well	313	171L7007M	Bio-Plex Pro Rat Diabetes PAL-1	323
171G5022M	Bio-Plex Pro Mouse Cytokine RANTES, 1 x 96-well	313	171NZ0001	Bio-Plex Pro Rat Standards, 1-pk of 30 analytes	314
171G5023M	Bio-Plex Pro Mouse Cytokine TNF- $\alpha$ , 1 x 96-well	313	171NZ0501	Bio-Plex Pro Rat Standards, 50-pk of 30 analytes	314
171G6001M	Bio-Plex Pro Mouse Cytokine IL-15, 1 x 96-well	313	171QTR1CK	Bio-Plex Pro RBM Canine Kidney Toxicity Panel 1	319
171G6002M	Bio-Plex Pro Mouse Cytokine Basic FGF, 1 x 96-well	313	171QTR2CK	Bio-Plex Pro RBM Canine Kidney Toxicity Albumin Kit	319
171G6003M	Bio-Plex Pro Mouse Cytokine ILF, 1 x 96-well	313	171SCRT00	Bio-Plex Manager 6.0 Instrument Control License, Security Edition	304
171G6004M	Bio-Plex Pro Mouse Cytokine M-CSF, 1 x 96-well	313	171SCRT01	Bio-Plex Manager 6.0 Security Edition Software, desktop	304
171G6005M	Bio-Plex Pro Mouse Cytokine MIG, 1 x 96-well	313	171SCRT05	Bio-Plex Manager 6.0 Security Edition Software, 5 licenses	304
171G6006M	Bio-Plex Pro Mouse Cytokine MIP-2, 1 x 96-well	313	171STND01	Bio-Plex Manager 6.0 Software, desktop	303
171G6007M	Bio-Plex Pro Mouse Cytokine PDGF-BB, 1 x 96-well	313	171STND05	Bio-Plex Manager 6.0 Software, 5 licenses	303
171G6008M	Bio-Plex Pro Mouse Cytokine VEGF, 1 x 96-well	313	171STND10	Bio-Plex Manager 6.0 Software, 10 licenses	303
171G7002M	Bio-Plex Pro Mouse Diabetes Ghrelin	323	171STND23	Bio-Plex Manager 6.0 Software (IS 2.3 System)	303
171G7003M	Bio-Plex Pro Mouse Diabetes GLP	323	171STND25	Bio-Plex Manager 6.0 Software, 25 licenses	303
171G7004M	Bio-Plex Pro Mouse Diabetes GLP-1	323	171SUPG30	Bio-Plex Manager 6.0 for 3.0 Software, version upgrade	303
171G7005M	Bio-Plex Pro Mouse Diabetes Glucagon	323	171SUPG40	Bio-Plex Manager 6.0 for 4.0 Software, version upgrade	303
171G7006M	Bio-Plex Pro Mouse Diabetes Insulin	323	171SUPG41	Bio-Plex Manager 6.0 for 4.1 Software, version upgrade	303
171G7007M	Bio-Plex Pro Mouse Diabetes Leptin	323	171SUPG50	Bio-Plex Manager 6.0 for 5.0 Software, version upgrade	303
171G7008M	Bio-Plex Pro Mouse Diabetes PAL-1	323	171V4001M	Bio-Plex TGF- $\beta$ 1	315
171G7009M	Bio-Plex Pro Mouse Diabetes Resistin	323	171V4002M	Bio-Plex TGF- $\beta$ 2	315
171GA001M	Bio-Plex Pro Mouse Cytokine CD40L	313	171V4003M	Bio-Plex TGF- $\beta$ 3	315
171GA002M	Bio-Plex Pro Mouse Cytokine IL-17F	313	171V50001M	Bio-Plex Phospho-Akt (Ser <sup>473</sup> )	317
171GA003M	Bio-Plex Pro Mouse Cytokine IL-21	313	171V50002M	Bio-Plex Phospho-Akt (Thr <sup>308</sup> )	317
171GA004M	Bio-Plex Pro Mouse Cytokine IL-22	313	171V50003M	Bio-Plex Phospho-c-Jun (Ser <sup>85</sup> )	317
171GA005M	Bio-Plex Pro Mouse Cytokine IL-23 (p19)	313	171V50004M	Bio-Plex Phospho-EGFR (Tyr <sup>1068</sup> )	317
171GA006M	Bio-Plex Pro Mouse Cytokine IL-25	313	171V50005M	Bio-Plex Phospho-EGFR (Tyr <sup>1173</sup> )	317
171GA007M	Bio-Plex Pro Mouse Cytokine IL-27 (p28)	313	171V50006M	Bio-Plex Phospho-Erk1/2 (Thr <sup>202</sup> /Tyr <sup>204</sup> , Thr <sup>185</sup> /Tyr <sup>187</sup> )	317
171GA008M	Bio-Plex Pro Mouse Cytokine IL-31	313	171V50007M	Bio-Plex Phospho-GSK-3 $\alpha/\beta$ (Ser <sup>21</sup> /Ser <sup>9</sup> )	317
171GA009M	Bio-Plex Pro Mouse Cytokine IL-33	313	171V50008M	Bio-Plex Phospho-HER-2 (Tyr <sup>1249</sup> )	317
171GA010M	Bio-Plex Pro Mouse Cytokine ICAM-1	313	171V50009M	Bio-Plex Phospho-IGF-1R (Tyr <sup>131</sup> )	317
171GA011M	Bio-Plex Pro Mouse Cytokine MIP-3 $\alpha$	313	171V50010M	Bio-Plex Phospho-I $\kappa$ B- $\alpha$ (Ser <sup>32</sup> /Ser <sup>36</sup> )	317
171H10501	Bio-Plex Mouse Cytokine Standards Group I, 50-pack	313	171V50011M	Bio-Plex Phospho-JNK (Thr <sup>183</sup> /Tyr <sup>185</sup> )	317
171H10502	Bio-Plex Mouse Cytokine Standards Group II, 50-pack	313	171V50012M	Bio-Plex Phospho-MEK1 (Ser <sup>217</sup> /Ser <sup>221</sup> )	317
171H50001	Bio-Plex Mouse Cytokine Standards Group I, 1-pack of 23 analytes	313	171V50013M	Bio-Plex Phospho-NF- $\kappa$ B p65 (Ser <sup>336</sup> )	317
171H60001	Bio-Plex Mouse Cytokine Standards Group II, 1-pack of 9 analytes	313	171V50014M	Bio-Plex Phospho-p38 MAPK (Thr <sup>180</sup> /Tyr <sup>182</sup> )	317
171H70001	Bio-Plex Pro Mouse Diabetes Standards, 1 vial of 9 analytes	323	171V50015M	Bio-Plex Phospho-p70 S6 Kinase (Thr <sup>421</sup> /Tyr <sup>424</sup> )	317
171H70050	Bio-Plex Pro Mouse Diabetes Standards, 50 vials of 9 analytes	323	171V50016M	Bio-Plex Phospho-p70 S6 Kinase (Thr <sup>389</sup> )	317
171IA0001	Bio-Plex Pro Mouse Standard Group III, 1 pack	313	171V50017M	Bio-Plex Phospho-PDGFR- $\alpha$ (Tyr <sup>754</sup> )	317
171IA0501	Bio-Plex Pro Mouse Standard Group III, 1 pack	313	171V50018M	Bio-Plex Phospho-PDGFR- $\beta$ (Tyr <sup>751</sup> )	317

# Catalog Number Index

bio-rad.com

Cat. #	Description	Page	Cat. #	Description	Page
171V50019M	Bio-Plex Phospho-Smad2 (Ser <sup>465</sup> /Ser <sup>467</sup> )	317	1725080	SingleShot Cell Lysis Kit, 100 x 50 µl reactions	381
171V50020M	Bio-Plex Phospho-Stat1 (Tyr <sup>701</sup> )	317	1725081	SingleShot Cell Lysis Kit, 500 x 50 µl reactions	381
171V50021M	Bio-Plex Phospho-Stat3 (Ser <sup>727</sup> )	317	1725085	SingleShot SYBR Green Kit	381
171V50022M	Bio-Plex Phospho-Stat3 (Ser <sup>705</sup> )	317	1725090	SingleShot Probes Kit	381
171V50023M	Bio-Plex Phospho-VEGFR-2 (Tyr <sup>1175</sup> )	317	1725095	SingleShot SYBR Green One-Step Kit	381
171V50024M	ATF-2 (Thr <sup>71</sup> )	317	1725110	Precision Melt Supermix, includes 2 x 1 ml	382
171V50025M	BAD (Ser <sup>139</sup> )	317	1725112	Precision Melt Supermix, includes 10 x 1 ml	382
171V50026M	Btk (Tyr <sup>223</sup> )	317	1725120	İTaq Universal SYBR Green Supermix, 2 ml	375
171V50027M	c-Abl (Tyr <sup>245</sup> )	317	1725121	İTaq Universal SYBR Green Supermix, 5 ml	375
171V50028M	CREB (Ser <sup>133</sup> )	317	1725122	İTaq Universal SYBR Green Supermix, 10 ml	375
171V50029M	HSP27 (Ser <sup>79</sup> )	317	1725124	İTaq Universal SYBR Green Supermix, 25 ml	375
171V50030M	IRS-1 (Ser <sup>636</sup> /Ser <sup>639</sup> )	317	1725125	İTaq Universal SYBR Green Supermix, 50 ml	375
171V50031M	IR-β (Tyr <sup>1149</sup> )	317	1725130	İTaq Universal Probes Supermix, 2 ml	375
171V50032M	Lyn (Tyr <sup>297</sup> )	317	1725131	İTaq Universal Probes Supermix, 5 ml	375
171V50033M	mTOR (Ser <sup>2449</sup> )	317	1725132	İTaq Universal Probes Supermix, 10 ml	375
171V50034M	p53 (Ser <sup>15</sup> )	317	1725134	İTaq Universal Probes Supermix, 25 ml	375
171V50035M	p90 RSK (Ser <sup>380</sup> )	317	1725135	İTaq Universal Probes Supermix, 50 ml	375
171V50036M	PI3K p85 (Tyr <sup>458</sup> )	317	1725140	İTaq Universal Probes One-Step Kit, 100 Reactions, 1 ml	379
171V50037M	PTEN (Ser <sup>380</sup> )	317	1725141	İTaq Universal Probes One-Step Kit, 500 Reactions, 5 ml	379
171V50038M	S6 ribosomal protein (Ser <sup>235</sup> /Ser <sup>236</sup> )	317	1725150	İTaq Universal SYBR Green One-Step Kit, 100	378
171V50039M	Src (Tyr <sup>416</sup> )	317	1725151	İTaq Universal SYBR Green One-Step Kit, 500	378
171V50040M	Syk (Tyr <sup>352</sup> )	317	1725160	SsoAdvanced PreAmp Supermix	380
171V50041M	ZAP-70 (Tyr <sup>319</sup> )	317	1725270	SsoAdvanced Universal SYBR Green Supermix, 2 ml	374
171V60001M	Bio-Plex Total Target Akt	317	1725271	SsoAdvanced Universal SYBR Green Supermix, 5 ml	374
171V60002M	Bio-Plex Total Target c-Jun	317	1725272	SsoAdvanced Universal SYBR Green Supermix, 10 ml	374
171V60003M	Bio-Plex Total Target Erk1/2	317	1725274	SsoAdvanced Universal SYBR Green Supermix, 25 ml	374
171V60004M	Bio-Plex Total Target GSK-3β	317	1725275	SsoAdvanced Universal SYBR Green Supermix, 50 ml	374
171V60005M	Bio-Plex Total Target HER-2	317	1725280	SsoAdvanced Universal Probes Supermix, 2 ml	375
171V60006M	Bio-Plex Total Target IκB-α	317	1725281	SsoAdvanced Universal Probes Supermix, 5 ml	375
171V60007M	Bio-Plex Total Target JNK	317	1725282	SsoAdvanced Universal Probes Supermix, 10 ml	375
171V60008M	Bio-Plex Total Target MEK1	317	1725284	SsoAdvanced Universal Probes Supermix, 25 ml	375
171V60009M	Bio-Plex Total Target p38 MAPK	317	1725285	SsoAdvanced Universal Probes Supermix, 50 ml	375
171V60010M	Bio-Plex Total Target p70 S6 Kinase	317	1725300	iProof High-Fidelity DNA Polymerase, 20 U	385
171V60011M	Bio-Plex Total Target Smad2	317	1725301	iProof High-Fidelity DNA Polymerase, 100 U	360
171V60012M	t-Btk	317	1725302	iProof High-Fidelity DNA Polymerase, 500 U	385
171V60013M	t-CREB	317	1725310	iProof HF Master Mix, 100 rxn	385
171V60014M	t-IGF-1rβ	317	1725320	iProof GC Master Mix, 100 rxn	385
171V60015M	t-mTOR	317	1725330	iProof High-Fidelity PCR Kit, 50 U	385
171V60016M	t-PTEN	317	1725331	iProof High-Fidelity PCR Kit, 200 U	385
171V60017M	t-Scr	317	1725391	5x iProof HF Buffer, 1.5 ml	385
171V60018M	t-ZAP-70	317	1725392	5x iProof GC Buffer, 1.5 ml	385
171V60019M	Human GAPDH	317	1725393	5x iProof HPLC HF Buffer, 1.5 ml	385
171V60020M	β-Actin	317	1725394	5x iProof HPLC GC Buffer, 1.5 ml	385
171W4001M	Bio-Plex Pro TGF-β 3-plex Assay	315	1725555	Precision Blue Real-Time PCR Dye, 55 µl	385
171WAR1CK	Bio-Plex Pro RBM Apoptosis Panel 1, 1 x 96	318	1725848	iQ Multiplex Powermix, 50 rxn	377
171WAR2CK	Bio-Plex Pro RBM Apoptosis Panel 2, 1 x 96	318	1725849	iQ Multiplex Powermix, 200 rxn	377
171WAR3CK	Bio-Plex Pro RBM Apoptosis Panel 3, 1 x 96	318	1725858	ROX Passive Reference Dye, 0.5 ml	385
171X40001	Bio-Plex Pro TGF-β Standard, 1 pack	315	1814000	PX1 PCR Plate Sealer	362
171X40501	Bio-Plex Pro TGF-β Standard, 50 pack	315	1814030	Optically Clear Heat Seal	362
1721011	Goat Anti-Mouse IgG (H + L)-HRP Conjugate, EIA grade, 2 ml	332	1814035	Permanent Clear Heat Seal	386
1721017	Rabbit Anti-Sheep IgG (H + L)-HRP Conjugate, 1 ml	332	1814040	Pierceable Foil Heat Seal	386
1721019	Goat Anti-Rabbit IgG (H + L)-HRP Conjugate, 1 ml	332	1814045	Peelable Foil Heat Seal	386
1721033	Goat Anti-Human IgG (g)-HRP Conjugate, 1 ml	332	1814080	Sealing Frame	386
1721034	Rabbit Anti-Goat IgG (H + L)-HRP Conjugate, 1 ml	332	1814085	Plate Support Block	386
1721037	Rabbit Anti-Goat IgG (H + L)-AP Conjugate, 1 ml	332	1840138	384-Well Reaction Module	359
1721050	Goat Anti-Human IgG (H + L)-HRP Conjugate, 2 ml	242	1840148	Dual 48/48 Fast Reaction Module	359
1721063	AP Substrate Kit	332	1840196	96-Well Fast Reaction Module	359
1721064	HRP Substrate Kit	332	1840197	96-Deep Well Reaction Module	359
1721066	TMB Peroxidase EIA Substrate Kit, 200 ml	332	1841001	1000-Series Connectivity Kit	358
1721067	TMB Peroxidase EIA Substrate Kit, 1 L	332	1841100	C1000 Touch Thermal Cycler Chassis	358
1721068	Single-Component TMB Peroxidase EIA Substrate Kit, 100 ml	332	1842000	S1000 Thermal Cycler	358
1721072	Single-Component TMB Peroxidase ELISA Substrate Kit	332	1844095	CFX96 Deep Well Optical Reaction Module	364
1722051	Mouse Typer Isotyping Kit	332	1844096	CFX96 Deep Well Optical Reaction Module, with reagents	364
1722055	Mouse Typer Isotyping Panel	332	1845000	CFX Manager Software	368
1725016	SsoAdvanced Universal Inhibitor-Tolerant SYBR Green Supermix, 2 ml	376	1845001	CFX Manager Software, Security Edition, 1 user license	369
1725017	SsoAdvanced Universal Inhibitor-Tolerant SYBR Green Supermix, 5 ml	376	1845005	CFX Manager Software, Security Edition, 5 user licenses	369
1725018	SsoAdvanced Universal Inhibitor-Tolerant SYBR Green Supermix, 10 ml	376	1845008	CFX Manager Software, Chinese Edition	369
1725034	iScript gDNA Clear cDNA Synthesis Kit	384	1845010	CFX Manager Software, Security Edition, 10 user licenses	369
1725035	iScript gDNA Clear cDNA Synthesis Kit	384	1845015	Precision Melt Analysis Software Only	369
1725037	iScript Advanced cDNA Synthesis Kit for RT-qPCR, 25 x 20 µl reactions	384	1845020	Melt Calibration Kit	369
1725038	iScript Advanced cDNA Synthesis Kit for RT-qPCR, 100 x 20 µl reactions	384	1845025	Precision Melt Analysis Software, 2 user licenses	369
1725070	SingleShot Probes One-Step Kit	381	1845028	CFX Manager Software, Russian Edition	369

# Catalog Number Index

bio-rad.com

Cat. #	Description	Page	Cat. #	Description	Page
1845075	CFX Automation System II	366	2112001	Xcluda Aerosol Barrier Pipet Tips, sterile, style A, 960	406
1845096	CFX96 Optical Reaction Module, with reagents	363	2112006	Xcluda Aerosol Barrier Pipet Tips, sterile, style B, 960	406
1845097	CFX96 Optical Reaction Module	363	2112011	Xcluda Aerosol Barrier Pipet Tips, sterile, style C, 960	406
1845098	CFX Qualification Plate, 96-well format	362	2112016	Xcluda Aerosol Barrier Pipet Tips, sterile, style D, 960	406
1845099	CFX Qualification Plate, 384-well format	365	2112021	Xcluda Aerosol Barrier Pipet Tips, sterile, style E, 960	406
1845384	CFX384 Optical Reaction Module, with reagents	365	2112026	Xcluda Aerosol Barrier Pipet Tips, sterile, style F, 1,000	406
1845385	CFX384 Optical Reaction Module	365	2112031	Xcluda Aerosol Barrier Pipet Tips, sterile, style G, 1,000	406
1848000	USB Cable, for use with C1000 and S1000 thermal cyclers	358	2112036	Xcluda Aerosol Barrier Pipet Tips, sterile, style H, 1,000	406
1849000	Tube Frame, for dual 48- and 96-well reaction modules	358	2112041	Xcluda Aerosol Barrier Pipet Tips, sterile, style J, 960	406
1849001	Tube Frame, for 96-deep well reaction module	358	2239014	BR-14 Bulk Tips, natural, 1,000	408
1849010	Touch-Screen Protector	358	2239028	BR-28 Bulk Tips, natural, 1,000	408
1851138	C1000 Touch Thermal Cycler with 384-Well Reaction Module	358	2239031	BR-31 Bulk Tips, natural, 1,000	408
1851148	C1000 Touch Thermal Cycler w/Dual 48/48 Fast Reaction Module	358	2239035	BR-35 Bulk Tips, yellow, 1,000	408
1851196	C1000 Touch Thermal Cycler with 96-Well Fast Reaction Module	358	2239037	BR-37 Bulk Tips, natural, 1,000	408
1851197	C1000 Touch Thermal Cycler w/96-Deep Well Reaction Module	358	2239038	BR-38 Bulk Tips, yellow, graduated, beveled, 1,000	408
1852138	S1000 Thermal Cycler with 384-Well Reaction Module	358	2239039	BR-39 Bulk Tips, natural, graduated, beveled, 1,000	408
1852148	S1000 Thermal Cycler with Dual 48/48 Fast Reaction Module	358	2239040	BR-40 Bulk Tips, blue, 500	408
1852196	S1000 Thermal Cycler with 96-Well Fast Reaction Module	358	2239041	BR-41 Bulk Tips, natural, 500	408
1852197	S1000 Thermal Cycler with 96-Deep Well Reaction Module	358	2239135	RBR-35 Racked Tips, yellow, 1,000	408
1854095	CFX96 Touch Deep Well Real-Time PCR Detection System	364	2239301	MTP-26 Racked Tips, natural, 960	408
1854096	CFX96 Touch Deep Well Real-Time PCR Detection System	364	2239303	MTP-35 Racked Tips, yellow, 960	408
1855195	CFX96 Touch Real-Time PCR Detection System	363	2239304	MTP-37 Racked Tips, natural, 960	408
1855196	CFX96 Touch Real-Time PCR Detection System, w/reagents	363	2239307	MTP-28-S Racked Tips, natural, sterile, 960	408
1855200	CFX Connect Real-Time PCR Detection System	362	2239308	MTP-35-S Racked Tips, yellow, sterile, 960	408
1855201	CFX Connect Real-Time PCR Detection System	362	2239309	MTP-37-S Racked Tips, natural, sterile, 960	408
1855484	CFX384 Touch Real-Time PCR Detection System, w/reagents	365	2239313	MTP-38 Racked Tips, yellow, graduated, beveled, 960	408
1855485	CFX384 Touch Real-Time PCR Detection System	365	2239318	MTP-38-S Racked Tips, yellow, graduated, beveled, 960	408
1861096	T100 Thermal Cycler	360	2239347	TBR-35 Racked Covered Tips, yellow, 1,000	408
1862000	Tube Support Ring, for T100 thermal cycler	360	2239350	TBR-40 Racked Covered Tips, blue, 1,000	408
1863000	Touch-Screen Protector, for T100 thermal cycler	360	2239351	TBR-41 Racked Covered Tips, natural, 1,000	408
1863004	Droplet Reader Oil, 2 x 1 L	351	2239354	TBR-44 Racked Covered Tips, natural, 1,000	408
1863005	Droplet Generation Oil, 10 x 7 ml	351	2239390	Titertube Micro Test Tubes, unsterilized, 10 racks of 96	409
1863009	DG8 Gaskets for QX100 Droplet Generator	351	2239391	Titertube Micro Test Tubes, bulk, 1,000	409
1863010	ddPCR Supermix for Probes, 5 x 1 ml vials	353	2239392	Titertube Plugs, presterilized, 120 strips of 8	409
1863023	ddPCR Supermix for Probes (no dUTP), 2 x 1 ml vials	352	2239393	Titertube Plugs, unsterilized, 120 strips of 8	409
1863024	ddPCR Supermix for Probes (no dUTP), 5 x 1 ml vials	352	2239394	Titertube Rack, empty, holds 96 tubes, 10	409
1863025	ddPCR Supermix for Probes (no dUTP), 5 x 5 ml vials	352	2239395	Titertube Micro Test Tubes, presterilized, 10 racks of 96	409
1863026	ddPCR Supermix for Probes, 2 x 1 ml vials	353	2239430	EZ Micro Test Tubes, 2 ml, natural, 500	410
1863027	ddPCR Supermix for Probes, 5 x 5 ml vials	353	2239441	iQ 96-Well Plates, 25	394
1863028	ddPCR Supermix for Probes, 10 x 5 ml vials	353	2239442	96-Well PCR Plate Sealing Mats, 5	398
1863040	Illumina MySeq Library Kit	354	2239480	EZ Micro Test Tubes, 1.5 ml, natural, 500	410
1863041	Ion Torrent Library Kit	354	2239490	Separate Caps, for capless micro test tubes, white, 1,000	410
1863051	DG8 Cartridge Holder	351	2239500	Micro Test Tubes, capless, 1.5 ml, natural, graduated, 500	131
1863500	ddPCR <i>SMN1</i> Copy Number Determination Kit	355	2239501	Micro Test Tubes, standard, 1.5 ml, natural, 500	410
1863503	ddPCR <i>SMN2</i> Copy Number Determination Kit	356	2239503	EZ Micro Test Tubes, 500 µl, natural, 1,000	410
1863506	ddPCR <i>KRAS G12/G13</i> Screening Kit	356	2239750	Clear Polypropylene Tubes, 13 x 100 mm, 9 ml, 1,000	131
1864001	QX200 Droplet Digital PCR System	351	2239751	Natural Polystyrene Tubes, 13 x 100 mm, 9 ml, 1,000	131
1864002	QX200 Droplet Generator	351	2239911	Seque/Pro Capillary Pipet Tips, in autoclavable rack, 200	407
1864003	QX200 Droplet Reader	351	2239912	Seque/Pro Capillary Pipet Tips, sterile, racked, 200	407
1864005	Droplet Generation Oil for EvaGreen, 2 x 7 ml	351	2239915	Prot/Elec Pipet Tips, bulk, 1,000	407
1864006	Droplet Generation Oil for EvaGreen, 10 x 7 ml	351	2239916	Prot/Elec Pipet Tips, racked, 960	407
1864007	Droplet Generator Cartridges and Gaskets	351	2239917	Prot/Elec Pipet Tips, racked, 1,020	407
1864008	DG8 Cartridges for QX100/QX200 Droplet Generator	351	2239950	Standard Disposable Polystyrene Cuvettes, 3.5ml, 100	26
1864021	One-Step RT-ddPCR Kit for Probes, 2 x 1 ml	353	2239955	Semimicrovolume Disposable Polystyrene Cuvettes, 1.5 ml, 100	26
1864022	One-Step RT-ddPCR Kit for Probes, 5 x 1 ml	353	2240096	Costar 96-Well Flat Bottom EIA Plates, polystyrene, 100	411
1864033	QX200 ddPCR EvaGreen Supermix	354	2240100	Conical Tubes, 1.5 ml, separate O-ring caps, unsterilized, 500	410
1864034	QX200 ddPCR EvaGreen Supermix	354	2240110	Conical Tubes, 1.5 ml, installed O-ring caps, sterilized, 500	410
1864035	QX200 ddPCR EvaGreen Supermix	354	2240130	Skirted Tubes, 2.0 ml, separate O-ring caps, unsterilized, 500	410
1864036	QX200 ddPCR EvaGreen Supermix	354	2240140	Skirted Tubes, 2.0 ml, installed O-ring caps, sterilized, 500	410
1864037	ddPCR Supermix for Residual DNA Quantification, 2 x 1 ml vials	352	2240165	Conical Tubes, 0.5 ml, installed O-ring caps, sterile, 500	410
1864038	ddPCR Supermix for Residual DNA Quantification, 5 x 1 ml vials	352	2240185	Skirted Tubes, 0.5 ml, installed O-ring caps, sterile, 500	410
1864039	ddPCR Supermix for Residual DNA Quantification, 5 x 5 ml vials	352	2244872	Sterilized Reagent Reservoirs, polystyrene, 200	410
1864040	ddPCR Supermix for Residual DNA Quantification, 10 x 5 ml vials	352	30034376	Bio-Plex Pro Wash Station	301
1864100	QX200 AutoDG Droplet Digital PCR System	351	3450001	Criterion Tris-HCl Gel, 5%, 12+2-well, 45 µl	181
1864101	Automated Droplet Generator	351	3450002	Criterion Tris-HCl Gel, 5%, 18-well, 30 µl	181
1864108	DG32 Automated Droplet Generator Cartridges, 1 pkg of 30	351	3450003	Criterion Tris-HCl Gel, 5%, 26-well, 15 µl	181
1864109	DG32 Automated Droplet Generator Cartridges, 1 pkg of 60	351	3450005	Criterion Tris-HCl Gel, 7.5%, 12+2-well, 45 µl	181
1864110	Automated Droplet Generation Oil for Probes	351	3450006	Criterion Tris-HCl Gel, 7.5%, 18-well, 30 µl	181
1864112	Automated Droplet Generation Oil for EvaGreen	351	3450007	Criterion Tris-HCl Gel, 7.5%, 26-well, 15 µl	181
1864120	Pipet Tips for AutoDG System, 1 pkg of 20	351	3450008	Criterion Tris-HCl Gel, 7.5%, prep+2-well, 800 µl	181
1864121	Pipet Tips for AutoDG System, 1 pkg of 40	351	3450009	Criterion Tris-HCl Gel, 10%, 12+2-well, 45 µl	181
1864125	Pipet Tip Waste Bins for AutoDG System, 1 pkg of 10	351	3450010	Criterion Tris-HCl Gel, 10%, 18-well, 30 µl	181



Cat. #	Description	Page	Cat. #	Description	Page
3450011	Criterion Tris-HCl Gel, 10%, 26-well, 15 µl	181	3450107	Criterion Tris-HCl Gel, 10-20%, 11 cm IPG+1-well	181
3450012	Criterion Tris-HCl Gel, 10%, prep+2-well, 800 µl	181	3450111	Criterion XT Bis-Tris Gel, 10%, 12+2-well, 45 µl	180
3450014	Criterion Tris-HCl Gel, 12.5%, 12+2-well, 45 µl	181	3450112	Criterion XT Bis-Tris Gel, 10%, 18-well, 30 µl	180
3450015	Criterion Tris-HCl Gel, 12.5%, 18-well, 30 µl	181	3450113	Criterion XT Bis-Tris Gel, 10%, 26-well, 15 µl	180
3450016	Criterion Tris-HCl Gel, 12.5%, 26-well, 15 µl	181	3450115	Criterion XT Bis-Tris Gel, 10%, 11 cm IPG+1-well	180
3450017	Criterion Tris-HCl Gel, 12.5%, prep+2-well, 800 µl	181	3450117	Criterion XT Bis-Tris Gel, 12%, 12+2-well, 45 µl	180
3450019	Criterion Tris-HCl Gel, 15%, 12+2-well, 45 µl	181	3450118	Criterion XT Bis-Tris Gel, 12%, 18-well, 30 µl	180
3450020	Criterion Tris-HCl Gel, 15%, 18-well, 30 µl	181	3450119	Criterion XT Bis-Tris Gel, 12%, 26-well, 15 µl	180
3450021	Criterion Tris-HCl Gel, 15%, 26-well, 15 µl	181	3450120	Criterion XT Bis-Tris Gel, 12%, prep+2-well, 800 µl	180
3450022	Criterion Tris-HCl Gel, 15%, prep+2-well, 800 µl	181	3450121	Criterion XT Bis-Tris Gel, 12%, 11 cm IPG+1-well	180
3450023	Criterion Tris-HCl Gel, 18%, 12+2-well, 45 µl	181	3450123	Criterion XT Bis-Tris Gel, 4-12%, 12+2-well, 45 µl	180
3450024	Criterion Tris-HCl Gel, 18%, 18-well, 30 µl	181	3450124	Criterion XT Bis-Tris Gel, 4-12%, 18-well, 30 µl	180
3450025	Criterion Tris-HCl Gel, 18%, 26-well, 15 µl	181	3450125	Criterion XT Bis-Tris Gel, 4-12%, 26-well, 15 µl	180
3450026	Criterion Tris-HCl Gel, 18%, prep+2-well, 800 µl	181	3450126	Criterion XT Bis-Tris Gel, 4-12%, prep+2-well, 800 µl	180
3450027	Criterion Tris-HCl Gel, 4-15%, 12+2-well, 45 µl	181	3450127	Criterion XT Bis-Tris Gel, 4-12%, 11 cm IPG+1-well	180
3450028	Criterion Tris-HCl Gel, 4-15%, 18-well, 30 µl	181	3450129	Criterion XT Tris-Acetate Gel, 3-8%, 12+2-well, 45 µl	181
3450029	Criterion Tris-HCl Gel, 4-15%, 26-well, 15 µl	181	3450130	Criterion XT Tris-Acetate Gel, 3-8%, 18-well, 30 µl	181
3450030	Criterion Tris-HCl Gel, 4-15%, prep+2-well, 800 µl	181	3450131	Criterion XT Tris-Acetate Gel, 3-8%, 26-well, 15 µl	181
3450032	Criterion Tris-HCl Gel, 4-20%, 12+2-well, 45 µl	181	3450133	Criterion XT Tris-Acetate Gel, 3-8%, 11 cm IPG+1-well	181
3450033	Criterion Tris-HCl Gel, 4-20%, 18-well, 30 µl	181	3450135	Criterion XT Tris-Acetate Gel, 7%, 12+2-well, 45 µl	181
3450034	Criterion Tris-HCl Gel, 4-20%, 26-well, 15 µl	181	3450136	Criterion XT Tris-Acetate Gel, 7%, 18-well, 30 µl	181
3450035	Criterion Tris-HCl Gel, 4-20%, prep+2-well, 800 µl	181	3450137	Criterion XT Tris-Acetate Gel, 7%, 26-well, 15 µl	181
3450037	Criterion Tris-HCl Gel, 8-16%, 12+2-well, 45 µl	181	3450412	Criterion Stain Free Gel, Tris-HCl, 12-well, 4-20%	181
3450038	Criterion Tris-HCl Gel, 8-16%, 18-well, 30 µl	181	3450418	Criterion Stain Free Gel, Tris-HCl, 18-well, 4-20%	181
3450039	Criterion Tris-HCl Gel, 8-16%, 26-well, 15 µl	181	3450426	Criterion Stain Free Gel, Tris-HCl, 26-well, 4-20%	181
3450040	Criterion Tris-HCl Gel, 8-16%, prep+2-well, 800 µl	181	3451012	Criterion Stain Free Gel, Tris-HCl, 12+2-well, 10%	181
3450042	Criterion Tris-HCl Gel, 10-20%, 12+2-well, 45 µl	181	3451018	Criterion Stain Free Gel, Tris-HCl, 18+2-well, 10%	181
3450043	Criterion Tris-HCl Gel, 10-20%, 18-well, 30 µl	181	3458161	Criterion Stain Free Gel, Tris-HCl, IPG+1-well, 8-16%	181
3450044	Criterion Tris-HCl Gel, 10-20%, 26-well, 15 µl	181	3458162	Criterion Stain Free Gel, Tris-HCl, 12-well, 8-16%	181
3450045	Criterion Tris-HCl Gel, 10-20%, prep+2-well, 800 µl	181	3458166	Criterion Stain Free Gel, Tris-HCl, 26-well, 8-16%	181
3450047	Criterion TBE Gel, 5%, 12+2-well, 45 µl	181	3459901	Criterion Empty Cassettes, 1.0 mm, 12+2-well, 10	181
3450048	Criterion TBE Gel, 5%, 18-well, 30 µl	181	3459902	Criterion Empty Cassettes, 1.0 mm, 18-well, 10	181
3450049	Criterion TBE Gel, 5%, 26-well, 15 µl	181	3459903	Criterion Empty Cassettes, 1.0 mm, 26-well, 10	181
3450051	Criterion TBE Gel, 10%, 12+2-well, 45 µl	181	3459904	Criterion Empty Cassettes, 1.0 mm, prep+2-well, 10	181
3450052	Criterion TBE Gel, 10%, 18-well, 30 µl	181	3459906	Criterion Empty Cassettes, 1.0 mm, IPG+1-well, 10	181
3450053	Criterion TBE Gel, 10%, 26-well, 15 µl	181	3459920	Criterion Staining/Blotting Trays, with lids, 12	183
3450055	Criterion TBE Gel, 15%, 12+2-well, 45 µl	181	3459921	Criterion Staining/Blotting Trays, with lids, 2	183
3450056	Criterion TBE Gel, 15%, 18-well, 30 µl	181	3459949	Criterion Tris-HCl Gel, 10.5-14%, 12+2-well, 45 µl	181
3450057	Criterion TBE Gel, 15%, 26-well, 15 µl	181	3459950	Criterion Tris-HCl Gel, 10.5-14%, 18-well, 30 µl	181
3450059	Criterion TBE Gel, 4-20%, 12+2-well, 45 µl	181	3459951	Criterion Tris-HCl Gel, 10.5-14%, 26-well, 15 µl	181
3450060	Criterion TBE Gel, 4-20%, 18-well, 30 µl	181	4110001	Criterion Precast Gel Application Guide	182
3450061	Criterion TBE Gel, 4-20%, 26-well, 15 µl	181	444-9998	Bio-Rex RG 501-X8 Resin, 1 ft <sup>3</sup> , 20-50 dry mesh	64
3450063	Criterion Tris-Tricine Gel, 16.5%, 12+2-well, 45 µl	181	4449999	Bio-Rex RG 501-X8 Resin, 20-50 mesh, 500 g	64
3450064	Criterion Tris-Tricine Gel, 16.5%, 18-well, 30 µl	181	4560000	Mini-PROTEAN Precast Gel Opening Lever	170
3450065	Criterion Tris-Tricine Gel, 16.5%, 26-well, 15 µl	181	4560001	Mini-PROTEAN Empty Cassette, IPG well	170
3450066	Criterion Tris-Tricine Gel, 16.5%, prep+2-well, 800 µl	181	4560003	Mini-PROTEAN Empty Cassette, 10-well, 30 µl	170
3450067	Criterion Tris-Tricine Gel, 10-20%, 12+2-well, 45 µl	181	4560005	Mini-PROTEAN Empty Cassette, 10-well, 50 µl	170
3450068	Criterion Tris-Tricine Gel, 10-20%, 18-well, 30 µl	181	4560006	Mini-PROTEAN Empty Cassette, 12-well	170
3450069	Criterion Tris-Tricine Gel, 10-20%, 26-well, 15 µl	181	4560011	Mini-PROTEAN Combs, IPG well	170
3450071	Criterion IEF Gel, pH 3-10, 12+2-well, 45 µl	181	4560013	Mini-PROTEAN Combs, 10-well, 30 µl	170
3450072	Criterion IEF Gel, pH 3-10, 18-well, 30 µl	181	4560015	Mini-PROTEAN Combs, 12-well	170
3450073	Criterion IEF Gel, pH 3-10, 26-well, 15 µl	181	4560016	Mini-PROTEAN Combs, 15-well	170
3450076	Criterion IEF Gel, pH 5-8, 18-well, 30 µl	181	4561021	Mini-PROTEAN TGX Gels, 7.5%, 7 cm IPG strip	170
3450079	Criterion Zymogram Gel with Gelatin, 10%, 12+2-well, 45 µl	181	4561023	Mini-PROTEAN TGX Gels, 7.5%, 10-well, 30 µl	170
3450080	Criterion Zymogram Gel with Gelatin, 10%, 18-well, 30 µl	181	4561024	Mini-PROTEAN TGX Gels, 7.5%, 10-well, 50 µl	170
3450081	Criterion Zymogram Gel with Gelatin, 10%, 26-well, 15 µl	181	4561025	Mini-PROTEAN TGX Gels, 7.5%, 12-well, 20 µl	170
3450082	Criterion Zymogram Gel with Casein, 12.5%, 12+2-well, 45 µl	181	4561026	Mini-PROTEAN TGX Gels, 7.5%, 15-well, 15 µl	170
3450083	Criterion Zymogram Gel with Casein, 12.5%, 18-well, 30 µl	181	4561029	Mini-PROTEAN TGX Gels, 7.5%, 8+1-well	170
3450084	Criterion Zymogram Gel with Casein, 12.5%, 26-well, 15 µl	181	4561031	Mini-PROTEAN TGX Gels, 10%, 7 cm IPG strip	170
3450086	Criterion TBE-Urea Gel, 5%, 18-well, 30 µl	181	4561033	Mini-PROTEAN TGX Gels, 10%, 10-well, 30 µl	170
3450088	Criterion TBE-Urea Gel, 10%, 12+2-well, 45 µl	181	4561034	Mini-PROTEAN TGX Gels, 10%, 10-well, 50 µl	170
3450089	Criterion TBE-Urea Gel, 10%, 18-well, 30 µl	181	4561035	Mini-PROTEAN TGX Gels, 10%, 12-well, 20 µl	170
3450090	Criterion TBE-Urea Gel, 10%, 26-well, 15 µl	181	4561036	Mini-PROTEAN TGX Gels, 10%, 15-well, 15 µl	170
3450091	Criterion TBE-Urea Gel, 15%, 12+2-well, 45 µl	181	4561039	Mini-PROTEAN TGX Gels, 10%, 8+1-well	170
3450092	Criterion TBE-Urea Gel, 15%, 18-well, 30 µl	181	4561041	Mini-PROTEAN TGX Gels, 12%, 7 cm IPG strip	170
3450093	Criterion TBE-Urea Gel, 15%, 26-well, 15 µl	181	4561043	Mini-PROTEAN TGX Gels, 12%, 10-well, 30 µl	170
3450101	Criterion Tris-HCl Gel, 10%, 11 cm IPG+1-well	181	4561044	Mini-PROTEAN TGX Gels, 12%, 10-well, 50 µl	170
3450102	Criterion Tris-HCl Gel, 12.5%, 11 cm IPG+1-well	181	4561045	Mini-PROTEAN TGX Gels, 12%, 12-well, 20 µl	170
3450103	Criterion Tris-HCl Gel, 4-15%, 11 cm IPG+1-well	181	4561046	Mini-PROTEAN TGX Gels, 12%, 15-well, 15 µl	170
3450104	Criterion Tris-HCl Gel, 4-20%, 11 cm IPG+1-well	181	4561049	Mini-PROTEAN TGX Gels, 12%, 8+1-well	170
3450105	Criterion Tris-HCl Gel, 8-16%, 11 cm IPG+1-well	181	4561081	Mini-PROTEAN TGX Gels, 4-15%, 7 cm IPG strip	170
3450106	Criterion Tris-HCl Gel, 10.5-14%, 11 cm IPG+1-well	181	4561083	Mini-PROTEAN TGX Gels, 4-15%, 10-well, 30 µl	170

# Catalog Number Index

bio-rad.com

Cat. #	Description	Page	Cat. #	Description	Page
4561084	Mini-PROTEAN TGX Gels, 4–15%, 10-well, 50 µl	170	4568095	Mini-PROTEAN TGX Stain-Free Gels, 4–20%, 12-well, 20 µl	170
4561085	Mini-PROTEAN TGX Gels, 4–15%, 12-well, 20 µl	170	4568096	Mini-PROTEAN TGX Stain-Free Gels, 4–20%, 15-well, 15 µl	170
4561086	Mini-PROTEAN TGX Gels, 4–15%, 15-well, 15 µl	170	4568099	Mini-PROTEAN TGX Stain-Free Gels, 4–20%, 8+1-well	170
4561089	Mini-PROTEAN TGX Gels, 4–15%, 8+1-well	170	4568101	Mini-PROTEAN TGX Stain-Free Gels, 8–16%, IPG-well	170
4561091	Mini-PROTEAN TGX Gels, 4–20%, 7 cm IPG strip	170	4568103	Mini-PROTEAN TGX Stain-Free Gels, 8–16%, 10-well, 30 µl	170
4561093	Mini-PROTEAN TGX Gels, 4–20%, 10-well, 30 µl	170	4568104	Mini-PROTEAN TGX Stain-Free Gels, 8–16%, 10-well, 50 µl	170
4561094	Mini-PROTEAN TGX Gels, 4–20%, 10-well, 50 µl	170	4568105	Mini-PROTEAN TGX Stain-Free Gels, 8–16%, 12-well, 20 µl	170
4561095	Mini-PROTEAN TGX Gels, 4–20%, 12-well, 20 µl	170	4568106	Mini-PROTEAN TGX Stain-Free Gels, 8–16%, 15-well, 15 µl	170
4561096	Mini-PROTEAN TGX Gels, 4–20%, 15-well, 15 µl	170	4568109	Mini-PROTEAN TGX Stain-Free Gels, 8–16%, 8+1-well	170
4561099	Mini-PROTEAN TGX Gels, 4–20%, 8+1-well	170	4568121	Mini-PROTEAN TGX Stain-Free Gels, Any kD, IPG-well	170
4561101	Mini-PROTEAN TGX Gels, 8–16%, IPG-well	170	4568123	Mini-PROTEAN TGX Stain-Free Gels, Any kD, 10-well, 30 µl	170
4561103	Mini-PROTEAN TGX Gels, 8–16%, 10-well, 30 µl	170	4568124	Mini-PROTEAN TGX Stain-Free Gels, Any kD, 10-well, 50 µl	170
4561104	Mini-PROTEAN TGX Gels, 8–16%, 10-well, 50 µl	170	4568125	Mini-PROTEAN TGX Stain-Free Gels, Any kD, 12-well, 20 µl	170
4561105	Mini-PROTEAN TGX Gels, 8–16%, 12-well, 20 µl	170	4568126	Mini-PROTEAN TGX Stain-Free Gels, Any kD, 15-well, 15 µl	170
4561106	Mini-PROTEAN TGX Gels, 8–16%, 15-well, 15 µl	170	4568129	Mini-PROTEAN TGX Stain-Free Gels, Any kD, 8+1-well	170
4561109	Mini-PROTEAN TGX Gels, 8–16%, 8+1-well	170	4569031	Mini-PROTEAN TGX Gels, Any kD, 7 cm IPG strip	170
4563063	Mini-PROTEAN Tris-Tricine Gels, 16.5%, 10-well, 30 µl	170	4569033	Mini-PROTEAN TGX Gels, Any kD, 10-well, 30 µl	170
4563064	Mini-PROTEAN Tris-Tricine Gels, 16.5%, 10-well, 50 µl	170	4569034	Mini-PROTEAN TGX Gels, Any kD, 10-well, 50 µl	170
4563065	Mini-PROTEAN Tris-Tricine Gels, 16.5%, 12-well, 20 µl	170	4569035	Mini-PROTEAN TGX Gels, Any kD, 12-well, 20 µl	170
4563066	Mini-PROTEAN Tris-Tricine Gels, 16.5%, 15-well, 15 µl	170	4569036	Mini-PROTEAN TGX Gels, Any kD, 15-well, 15 µl	170
4563113	Mini-PROTEAN Tris-Tricine Gels, 10–20%, 10-well, 30 µl	170	4569039	Mini-PROTEAN TGX Gels, Any kD, 8+1-well, 30 µl	170
4563114	Mini-PROTEAN Tris-Tricine Gels, 10–20%, 10-well, 50 µl	170	5000001	Bio-Rad Protein Assay Kit I	21
4563115	Mini-PROTEAN Tris-Tricine Gels, 10–20%, 12-well, 20 µl	170	5000002	Bio-Rad Protein Assay Kit II	21
4563116	Mini-PROTEAN Tris-Tricine Gels, 10–20%, 15-well, 15 µl	170	5000005	Protein Standard I, bovine $\gamma$ -globulin	21
4565013	Mini-PROTEAN TBE Gels, 5%, 10-well, 30 µl	170	5000006	Bio-Rad Protein Assay Dye Reagent Concentrate, 450 ml	21
4565014	Mini-PROTEAN TBE Gels, 5%, 10-well, 50 µl	170	5000007	Protein Standard II, BSA	21
4565015	Mini-PROTEAN TBE Gels, 5%, 12-well, 20 µl	170	5000111	DC Protein Assay Kit 1	22
4565016	Mini-PROTEAN TBE Gels, 5%, 15-well, 15 µl	170	5000112	DC Protein Assay Kit 2	22
4565033	Mini-PROTEAN TBE Gels, 10%, 10-well, 30 µl	170	5000113	Protein Assay Reagent A	22
4565034	Mini-PROTEAN TBE Gels, 10%, 10-well, 50 µl	170	5000114	Protein Assay Reagent B	22
4565035	Mini-PROTEAN TBE Gels, 10%, 12-well, 20 µl	170	5000115	Protein Assay Reagent S	22
4565036	Mini-PROTEAN TBE Gels, 10%, 15-well, 15 µl	170	5000116	DC Protein Assay Reagents Package	22
4565053	Mini-PROTEAN TBE Gels, 15%, 10-well, 30 µl	170	5000117	RC Reagent I, 250 ml	23
4565054	Mini-PROTEAN TBE Gels, 15%, 10-well, 50 µl	170	5000118	RC Reagent II, 250 ml	23
4565055	Mini-PROTEAN TBE Gels, 15%, 12-well, 20 µl	170	5000119	RC Reagents Package	23
4565056	Mini-PROTEAN TBE Gels, 15%, 15-well, 15 µl	170	5000120	RC DC Protein Assay Reagents Package	23
4565093	Mini-PROTEAN TBE Gels, 4–20%, 10-well, 30 µl	170	5000121	RC DC Protein Assay Kit I, bovine $\gamma$ -globulin standard	23
4565094	Mini-PROTEAN TBE Gels, 4–20%, 10-well, 50 µl	170	5000122	RC DC Protein Assay Kit II, BSA standard	23
4565095	Mini-PROTEAN TBE Gels, 4–20%, 12-well, 20 µl	170	5000201	Quick Start Bradford Protein Assay Kit 1	21
4565096	Mini-PROTEAN TBE Gels, 4–20%, 15-well, 15 µl	170	5000202	Quick Start Bradford Protein Assay Kit 2	21
4566033	Mini-PROTEAN TBE-Urea Gels, 10%, 10-well, 30 µl	170	5000203	Quick Start Bradford Protein Assay Kit 3	21
4566036	Mini-PROTEAN TBE-Urea Gels, 10%, 15-well, 15 µl	170	5000204	Quick Start Bradford Protein Assay Kit 4	21
4566053	Mini-PROTEAN TBE-Urea Gels, 15%, 10-well, 30 µl	170	5000205	Quick Start Bradford 1x Dye Reagent, 1 L	21
4566055	Mini-PROTEAN TBE-Urea Gels, 15%, 12-well, 20 µl	170	5000206	Quick Start BSA Standard	21
4566056	Mini-PROTEAN TBE-Urea Gels, 15%, 15-well, 15 µl	170	5000207	Quick Start BSA Standard Set	21
4568021	Mini-PROTEAN TGX Stain-Free Gels, 7.5%, IPG-well	170	5000208	Quick Start Bovine $\gamma$ -Globulin Standard	21
4568023	Mini-PROTEAN TGX Stain-Free Gels, 7.5%, 10-well, 30 µl	170	5000209	Quick Start Bovine $\gamma$ -Globulin Standard Set	21
4568024	Mini-PROTEAN TGX Stain-Free Gels, 7.5%, 10-well, 50 µl	170	5671023	Criterion TGX Gels, 7.5%, 12+2-well	180
4568025	Mini-PROTEAN TGX Stain-Free Gels, 7.5%, 12-well, 20 µl	170	5671024	Criterion TGX Gels, 7.5%, 18-well	180
4568026	Mini-PROTEAN TGX Stain-Free Gels, 7.5%, 15-well, 15 µl	170	5671025	Criterion TGX Gels, 7.5%, 26-well	180
4568029	Mini-PROTEAN TGX Stain-Free Gels, 7.5%, 8+1-well	170	5671033	Criterion TGX Gels, 10%, 12+2-well	180
4568031	Mini-PROTEAN TGX Stain-Free Gels, 10%, IPG-well	170	5671034	Criterion TGX Gels, 10%, 18-well	180
4568033	Mini-PROTEAN TGX Stain-Free Gels, 10%, 10-well, 30 µl	170	5671035	Criterion TGX Gels, 10%, 26-well	180
4568034	Mini-PROTEAN TGX Stain-Free Gels, 10%, 10-well, 50 µl	170	5671043	Criterion TGX Gels, 12%, 12+2-well	180
4568035	Mini-PROTEAN TGX Stain-Free Gels, 10%, 12-well, 20 µl	170	5671044	Criterion TGX Gels, 12%, 18-well	180
4568036	Mini-PROTEAN TGX Stain-Free Gels, 10%, 15-well, 15 µl	170	5671045	Criterion TGX Gels, 12%, 26-well	180
4568039	Mini-PROTEAN TGX Stain-Free Gels, 10%, 8+1-well	170	5671071	Criterion TGX Gels, 18%, IPG+1-well	180
4568041	Mini-PROTEAN TGX Stain-Free Gels, 12%, IPG-well	170	5671072	Criterion TGX Gels, 18%, prep+2-well	180
4568043	Mini-PROTEAN TGX Stain-Free Gels, 12%, 10-well, 30 µl	170	5671073	Criterion TGX Gels, 18%, 12+2-well	180
4568044	Mini-PROTEAN TGX Stain-Free Gels, 12%, 10-well, 50 µl	170	5671074	Criterion TGX Gels, 18%, 18-well	180
4568045	Mini-PROTEAN TGX Stain-Free Gels, 12%, 12-well, 20 µl	170	5671075	Criterion TGX Gels, 18%, 26-well	180
4568046	Mini-PROTEAN TGX Stain-Free Gels, 12%, 15-well, 15 µl	170	5671081	Criterion TGX Gels, 4–15%, IPG+1-well	180
4568049	Mini-PROTEAN TGX Stain-Free Gels, 12%, 8+1-well	170	5671082	Criterion TGX Gels, 4–15%, prep+2-well	180
4568081	Mini-PROTEAN TGX Stain-Free Gels, 4–15%, IPG-well	170	5671083	Criterion TGX Gels, 4–15%, 12+2-well	180
4568083	Mini-PROTEAN TGX Stain-Free Gels, 4–15%, 10-well, 30 µl	170	5671084	Criterion TGX Gels, 4–15%, 18-well	180
4568084	Mini-PROTEAN TGX Stain-Free Gels, 4–15%, 10-well, 50 µl	170	5671085	Criterion TGX Gels, 4–15%, 26-well	180
4568085	Mini-PROTEAN TGX Stain-Free Gels, 4–15%, 12-well, 20 µl	170	5671091	Criterion TGX Gels, 4–20%, IPG+1-well	180
4568086	Mini-PROTEAN TGX Stain-Free Gels, 4–15%, 15-well, 15 µl	170	5671092	Criterion TGX Gels, 4–20%, prep+2-well	180
4568089	Mini-PROTEAN TGX Stain-Free Gels, 4–15%, 8+1-well	170	5671093	Criterion TGX Gels, 4–20%, 12+2-well	180
4568091	Mini-PROTEAN TGX Stain-Free Gels, 4–20%, IPG-well	170	5671094	Criterion TGX Gels, 4–20%, 18-well	180
4568093	Mini-PROTEAN TGX Stain-Free Gels, 4–20%, 10-well, 30 µl	170	5671095	Criterion TGX Gels, 4–20%, 26-well	180
4568094	Mini-PROTEAN TGX Stain-Free Gels, 4–20%, 10-well, 50 µl	170	5671101	Criterion TGX Gels, 8–16%, IPG+1-well	180

# Catalog Number Index

bio-rad.com

Cat. #	Description	Page	Cat. #	Description	Page
5671102	Criterion TGX Gels, 8–16%, prep+2-well	180	6200236	Profinia GST Purification Kit, 5 ml	73
5671103	Criterion TGX Gels, 8–16%, 12+2-well	180	6200238	Profinia Desalting Purification Kit, 50 ml	77
5671104	Criterion TGX Gels, 8–16%, 18-well	180	6200239	Native IMAC Buffer Kit	77
5671105	Criterion TGX Gels, 8–16%, 26-well	180	6200240	GST Buffer Kit	73
5671111	Criterion TGX Gels, 10–20%, IPG+1-well	180	6200241	Native IMAC Purification Kit	77
5671112	Criterion TGX Gels, 10–20%, prep+2-well	180	6200242	Native IMAC Purification Kit	77
5671113	Criterion TGX Gels, 10–20%, 12+2-well	180	6200243	GST Purification Kit	73
5671114	Criterion TGX Gels, 10–20%, 18-well	180	6200244	GST Purification Kit	73
5671115	Criterion TGX Gels, 10–20%, 26-well	180	7007030	Experion Priming Station	268
5671121	Criterion TGX Gels, Any kD, IPG+1-well	180	7007031	Experion Priming Seals, 2	268
5671122	Criterion TGX Gels, Any kD, prep+2-well	180	7007043	Experion Vortex Station II, 100–240 V	268
5671123	Criterion TGX Gels, Any kD, 12+2-well	180	7007050	Experion Software, version 3	269
5671124	Criterion TGX Gels, Any kD, 18-well	180	7007051	Experion Validation Kit	269
5671125	Criterion TGX Gels, Any kD, 26-well	180	7007052	Experion Software, Security Edition	269
5678023	Criterion TGX Stain-Free Gels, 7.5%, 12+2-well	180	7007101	Experion Pro260 Analysis Kit for 10 Chips	271
5678024	Criterion TGX Stain-Free Gels, 7.5%, 18-well	180	7007102	Experion Pro260 Analysis Kit for 25 Chips	271
5678025	Criterion TGX Stain-Free Gels, 7.5%, 26-well	180	7007103	Experion RNA StdSens Analysis Kit for 10 Chips	271
5678033	Criterion TGX Stain-Free Gels, 10%, 12+2-well	180	7007104	Experion RNA StdSens Analysis Kit for 25 Chips	271
5678034	Criterion TGX Stain-Free Gels, 10%, 18-well	180	7007105	Experion RNA HighSens Analysis Kit for 10 Chips	271
5678035	Criterion TGX Stain-Free Gels, 10%, 26-well	180	7007106	Experion RNA HighSens Analysis Kit for 25 Chips	271
5678043	Criterion TGX Stain-Free Gels, 12%, 12+2-well	180	7007107	Experion DNA 1K Analysis Kit for 10 Chips	271
5678044	Criterion TGX Stain-Free Gels, 12%, 18-well	180	7007108	Experion DNA 12K Analysis Kit for 10 Chips	271
5678045	Criterion TGX Stain-Free Gels, 12%, 26-well	180	7007110	Experion Pro260 Starter Kit	272
5678071	Criterion TGX Stain-Free Gels, 18%, IPG+1-well	180	7007111	Experion RNA StdSens Starter Kit	272
5678072	Criterion TGX Stain-Free Gels, 18%, prep+2-well	180	7007112	Experion Mouse Liver Total RNA Standard	271
5678073	Criterion TGX Stain-Free Gels, 18%, 12+2-well	180	7007151	Experion Pro260 Chips, 10	271
5678074	Criterion TGX Stain-Free Gels, 18%, 18-well	180	7007152	Experion Pro260 Reagents and Supplies, for 10 chips	271
5678075	Criterion TGX Stain-Free Gels, 18%, 26-well	180	7007153	Experion RNA StdSens Chips, 10	271
5678081	Criterion TGX Stain-Free Gels, 4–15%, IPG+1-well	180	7007154	Experion RNA StdSens Reagents and Supplies, for 10 chips	271
5678082	Criterion TGX Stain-Free Gels, 4–15%, prep+2-well	180	7007155	Experion RNA HighSens Chips, 10	271
5678083	Criterion TGX Stain-Free Gels, 4–15%, 12+2-well	180	7007156	Experion RNA HighSens Reagents and Supplies, for 10 chips	271
5678084	Criterion TGX Stain-Free Gels, 4–15%, 18-well	180	7007163	Experion DNA Chips, 10	271
5678085	Criterion TGX Stain-Free Gels, 4–15%, 26-well	180	7007164	Experion DNA 1K Reagents and Supplies, for 10 chips	271
5678091	Criterion TGX Stain-Free Gels, 4–20%, IPG+1-well	180	7007165	Experion DNA 12K Reagents and Supplies, for 10 chips	271
5678092	Criterion TGX Stain-Free Gels, 4–20%, prep+2-well	180	7007251	Experion Cleaning Chips, 10	271
5678093	Criterion TGX Stain-Free Gels, 4–20%, 12+2-well	180	7007252	Experion Electrode Cleaner, 250 ml	271
5678094	Criterion TGX Stain-Free Gels, 4–20%, 18-well	180	7007253	Experion DEPC-Treated Water, 100 ml	271
5678095	Criterion TGX Stain-Free Gels, 4–20%, 26-well	180	7007254	Experion Spin Filters, 10	271
5678101	Criterion TGX Stain-Free Gels, 8–16%, IPG+1-well	180	7007255	Experion RNA Ladder, 20 µl	271
5678102	Criterion TGX Stain-Free Gels, 8–16%, prep+2-well	180	7007256	Experion Pro260 Ladder, 60 µl	271
5678103	Criterion TGX Stain-Free Gels, 8–16%, 12+2-well	180	7007261	Experion DNA 1K Ladder, 20 µl	271
5678104	Criterion TGX Stain-Free Gels, 8–16%, 18-well	180	7007262	Experion DNA 12K Ladder, 20 µl	271
5678105	Criterion TGX Stain-Free Gels, 8–16%, 26-well	180	7007264	Cleaning Swabs, lint free, for Experion system electrode cleaning	271
5678111	Criterion TGX Stain-Free Gels, 10–20%, IPG+1-well	180	7007270	Experion Pro260 Sample Buffer, 400 µl, 2 vials	271
5678112	Criterion TGX Stain-Free Gels, 10–20%, prep+2-well	180	7007307	Experion DNA 1K Analysis Kit for 30 Chips	271
5678113	Criterion TGX Stain-Free Gels, 10–20%, 12+2-well	180	7007308	Experion DNA 12K Analysis Kit for 30 Chips	271
5678114	Criterion TGX Stain-Free Gels, 10–20%, 18-well	180	7200001	UNO Q1 Column, 7 x 35 mm	100
5678115	Criterion TGX Stain-Free Gels, 10–20%, 26-well	180	7200003	UNO Q6 Column, 12 x 53 mm	100
5678121	Criterion TGX Stain-Free Gels, Any kD, IPG+1-well	180	7200005	UNO Q12 Column, 15 x 68 mm	100
5678122	Criterion TGX Stain-Free Gels, Any kD, prep+2-well	180	7200009	UNO Q Polishing Column, 4.6 x 10 mm	100
5678123	Criterion TGX Stain-Free Gels, Any kD, 12+2-well	180	7200011	UNO Q1R Column, 7 x 35 mm	100
5678124	Criterion TGX Stain-Free Gels, Any kD, 18-well	180	7200013	UNO Q6R Column, 12 x 53 mm	100
5678125	Criterion TGX Stain-Free Gels, Any kD, 26-well	180	7200015	UNO Q12R Column, 15 x 68 mm	100
6200205	2x Native IMAC Lysis/Bind Buffer, 125 ml	77	7200021	UNO S1 Column, 7 x 35 mm	100
6200206	2x Native IMAC Equilibration/Wash Buffer 1, 125 ml	77	7200023	UNO S6 Column, 12 x 53 mm	100
6200207	2x Native IMAC Wash Buffer 2, 100 ml	77	7200025	UNO S12 Column, 15 x 68 mm	100
6200208	2x Native IMAC Elution Buffer, 100 ml	77	7200029	UNO S Polishing Column	100
6200213	2x GST Lysis/Bind Buffer, 100 ml	77	7200031	UNO SR1 Column	100
6200215	2x GST Elution Buffer, 100 ml	77	7200033	UNO S6R Column, 12 x 53 mm	100
6200216	5x Desalting Buffer, 200 ml	77	7200035	UNO S12R Column, 15 x 68 mm	100
6200217	2x Cleaning Solution, 125 ml	77	7310003	Econo-Column Funnels, 250 ml, 5	109
6200218	4x Cleaning Solution 2, 125 ml	77	7311550	Poly-Prep Chromatography Columns, empty, 50	105
6200219	2x Storage Solution, 200 ml	77	7311553	Poly-Prep Chromatography Columns, empty, 1,000	105
6200221	Profinia Native IMAC Buffer Kit	77	7311555	Poly-Prep Column Stack Cap, 50	99
6200223	Profinia GST Buffer Kit	73	7311660	End Caps, for Micro Bio-Spin columns, 1,000	103
6200224	Desalting and Cartridge Cleaning Buffer Kit	77	7316211	Poly-Prep Columns, AG 1-X8 resin, 100–200 mesh, 50	63
6200225	Profinia Native IMAC Purification Kit, 1 ml	77	7316212	Poly-Prep Columns, AG 1-X8 resin, 200–400 mesh, 50	63
6200226	Profinia GST Purification Kit, 1 ml	73	7316213	Poly-Prep Columns, AG 50W-X8 resin, 100–200 mesh, 50	63
6200228	Profinia Desalting Purification Kit, 10 ml	77	7316214	Poly-Prep Columns, AG 50W-X8 resin, 200–400 mesh, 50	63
6200229	Profinia Native IMAC Starter Kit	77	7316221	Poly-Prep Columns, AG 1-X8 resin, formate, 100–200 mesh, 50	63
6200230	Profinia GST Starter Kit	73	7317005	Poly Column Rack, 20-place	104
6200235	Profinia Native IMAC Purification Kit, 5 ml	77	7318120	Model 2110 Fraction Collector, 220/240 V	131

# Catalog Number Index

bio-rad.com

Cat. #	Description	Page	Cat. #	Description	Page
7318122	Model 2110 Fraction Collector, 110/120 V	131	7319032	Econo Gradient Pump Combo 1, 220/240 V	142
7318130	Carousel, 80-tube capacity	131	7319034	Econo Gradient Pump Combo 2, 100/120 V	142
7318131	Replacement Drop Formers, 2	131	7319036	Econo Gradient Pump Combo 2, 220/240 V	142
7318135	Micro Tube Adaptor, 80-microtube capacity	131	7319038	Econo Gradient Pump Combo 3, 100/120 V	142
7318136	Instrument Dust Cover	131	7319040	Econo Gradient Pump Combo 3, 220/240 V	142
7318155	Conductivity Flow Cell	140	7320111	Luer to M6 Adaptor Fittings Kit	58
7318160	Model EM-1 Econo UV Monitor, 100/120 V	143	7320112	Luer to 10-32 Adaptor Fittings Kit	58
7318162	Model EM-1 Econo UV Monitor, 220/240 V	143	7320113	Luer to BioLogic System Fittings Kit	58
7318165	UV Flow Cell	140	7321010	Econo-Pac Chromatography Columns, empty, 50	104
7318166	Lamp, for BioLogic LP system	140	7321011	Econo-Pac Chromatography Columns, empty, 500	104
7318167	Filter Assembly	140	7322010	Econo-Pac 10DG Desalting Columns, 30	85
7318207	PharMed Tubing, 0.8 mm ID/1.0 mm wall, 10 m	136	7322020	Econo-Pac Protein A Kit, 3 buffers	79
7318208	PharMed Tubing, 1.6 mm ID/1.0 mm wall, 10 m	136	7322022	Econo-Pac Protein A Columns, 5	79
7318209	PharMed Tubing, 3.2 mm ID/1.0 mm wall, 10 m	136	7322026	Econo-Pac Serum IgG Purification Columns, 5	102
7318210	Silicone Tubing, 0.8 mm ID/0.8 mm wall, 10 m	136	7322027	Econo-Pac Serum IgG Purification Kit	102
7318211	Silicone Tubing, 1.6 mm ID/0.8 mm wall, 10 m	136	7323245	Luer Tubing Adaptors, 5	138
7318212	Silicone Tubing, 3.2 mm ID/0.8 mm wall, 10 m	136	7324100	Bio-Scale Mini UNOsphere Q Cartridges, 5 x 1 ml	58
7318213	Tygon Tubing, 0.51 mm ID/0.8 mm wall, 10 m	136	7324102	Bio-Scale Mini UNOsphere Q Cartridge, 1 x 5 ml	58
7318214	Tygon Tubing, 0.8 mm ID/0.8 mm wall, 10 m	136	7324104	Bio-Scale Mini UNOsphere Q Cartridges, 5 x 5 ml	58
7318215	Tygon Tubing, 1.6 mm ID/0.8 mm wall, 10 m	136	7324110	Bio-Scale Mini UNOsphere S Cartridges, 5 x 1 ml	58
7318220	Low-Pressure System Fittings Kit	138	7324112	Bio-Scale Mini UNOsphere S Cartridge, 1 x 5 ml	58
7318221	0.8 mm Barb to Female Luer Fittings, 25	138	7324114	Bio-Scale Mini UNOsphere S Cartridges, 5 x 5 ml	58
7318222	1.6 mm Barb to Female Luer Fittings, 25	138	7324120	Bio-Scale Mini Macro-Prep High Q Cartridges, 5 x 1 ml	60
7318223	3.2 mm Barb to Female Luer Fittings, 25	138	7324122	Bio-Scale Mini Macro-Prep High Q Cartridge, 1 x 5 ml	60
7318224	0.8 mm Barb to Male Luer Fittings, 25	138	7324124	Bio-Scale Mini Macro-Prep High Q Cartridges, 5 x 5 ml	60
7318225	1.6 mm Barb to Male Luer Fittings, 25	138	7324130	Bio-Scale Mini Macro-Prep High S Cartridges, 5 x 1 ml	60
7318226	3.2 mm Barb to Male Luer Fittings, 25	138	7324132	Bio-Scale Mini Macro-Prep High S Cartridge, 1 x 5 ml	60
7318228	Female Luer to Female Luer Fittings, 10	138	7324134	Bio-Scale Mini Macro-Prep High S Cartridges, 5 x 5 ml	60
7318229	Female Luer T-Connectors, 10	138	7324140	Bio-Scale Mini Macro-Prep DEAE Cartridges, 5 x 1 ml	60
7318230	Male Luer to Male Luer Fittings, 10	138	7324142	Bio-Scale Mini Macro-Prep DEAE Cartridge, 1 x 5 ml	60
7318232	Female Luer Plugs, 25	104	7324144	Bio-Scale Mini Macro-Prep DEAE Cartridges, 5 x 5 ml	60
7318233	Male Luer Plugs, 25	138	7324200	Bio-Scale Mini UNOsphere SUPRA Cartridge, 1 x 1 ml	95
7318240	Pump Tubing Kit, 0.8 mm ID silicone	136	7324201	Bio-Scale Mini UNOsphere SUPRA Cartridges, 5 x 1 ml	78
7318241	Pump Tubing Kit, 1.6 mm ID silicone	136	7324202	Bio-Scale Mini UNOsphere SUPRA Cartridge, 1 x 5 ml	78
7318242	Pump Tubing Kit, 3.2 mm ID silicone	136	7324322	Bio-Scale Mini CHT Type I Cartridge, 1 x 5 ml	66
7318247	Pump Tubing Kit, 0.8 mm ID PharMed	136	7324324	Bio-Scale Mini CHT Type I Cartridges, 5 x 5 ml	66
7318248	Pump Tubing Kit, 1.6 mm ID PharMed	136	7324332	Bio-Scale Mini CHT Type II Cartridge, 1 x 5 ml	66
7318249	Pump Tubing Kit, 3.2 mm ID PharMed	136	7324334	Bio-Scale Mini CHT Type II Cartridges, 5 x 5 ml	66
7318261	System Cable 1	131	7324405	Bio-Scale Mini CFT Type II Cartridge, 1 x 5 ml	68
7318262	System Cable 2	134	7324406	Bio-Scale Mini CFT Type II Cartridges, 5 x 5 ml	68
7318263	System Cable 3	133	7324407	Bio-Scale Mini Cartridge Apatite Purification Kit	66
7318264	System Cable 4	134	7324408	Bio-Scale Mini Cartridge mAb Purification Kit	66
7318265	System Cable 5	131	7324420	Bio-Scale Mini Nuvia S Cartridge, 1 x 1 ml	58
7318267	System Cable 7	134	7324421	Bio-Scale Mini Nuvia S Cartridges, 5 x 1 ml	58
7318268	System Cable 8	134	7324422	Bio-Scale Mini Nuvia S Cartridge, 1 x 5 ml	58
7318286	System Cable 15	133	7324423	Bio-Scale Mini Nuvia S Cartridges, 5 x 5 ml	58
7318287	System Cable 16	133	7324502	Bio-Scale Mini Bio-Gel P-6 Desalting Cartridges, 1 x 5 ml	86
7318290	BioFrac Accessory Cable	133	7324504	Bio-Scale Mini Bio-Gel P-6 Desalting Cartridges, 5 x 5 ml	86
7318300	Standard BioLogic LP System, 100/120 V	140	7324600	Bio-Scale Mini Affi-Prep Protein A Cartridges, 5 x 1 ml	79
7318301	Standard BioLogic LP System, 220/240 V	140	7324602	Bio-Scale Mini Affi-Prep Protein A Cartridge, 1 x 5 ml	79
7318302	BioLogic LP/Model 2110/LP System, 100/120 V	140	7324610	Bio-Scale Mini IMAC Cartridges, 5 x 1 ml	72
7318303	BioLogic LP/Model 2110/LP System, 220/240 V	140	7324612	Bio-Scale Mini IMAC Cartridge, 1 x 5 ml	72
7318304	BioLogic LP/BioFrac System, 100/120 V	140	7324614	Bio-Scale Mini IMAC Cartridges, 5 x 5 ml	72
7318305	BioLogic LP/BioFrac System, 220/240 V	140	7324620	Bio-Scale Mini Profinity GST Cartridges, 5 x 1 ml	73
7318320	MV-6 Sample Inject Valve	140	7324622	Bio-Scale Mini Profinity GST Cartridge, 1 x 5 ml	73
7318321	SV-5 Buffer Select Valve	140	7324624	Bio-Scale Mini Profinity GST Cartridges, 5 x 5 ml	73
7318322	SV-3 Diverter/Bypass Valve	140	7324632	Bio-Scale Mini DEAE Affi-Gel Blue Cartridge, 1 x 5 ml	80
7318323	Gradient Mixer	140	7324634	Bio-Scale Mini DEAE Affi-Gel Blue Cartridges, 5 x 5 ml	80
7318324	BioLogic LP Optics Module	140	7324642	Bio-Scale Mini Affi-Gel Blue Cartridge, 1 x 5 ml	80
7318336	BioLogic LP/Model 2110/LP Data View System, 110/120 V	140	7324644	Bio-Scale Mini Affi-Gel Blue Cartridges, 5 x 5 ml	80
7318337	BioLogic LP/Model 2110/LP Data View System, 220/240 V	140	7324646	Bio-Scale Mini Profinity eXact Cartridges, 2 x 1 ml	74
7318338	BioLogic LP/BioFrac/LP Data View System, 110/120 V	140	7324647	Bio-Scale Mini Profinity eXact Cartridges, 4 x 1 ml	74
7318339	BioLogic LP/BioFrac/LP Data View System, 220/240 V	140	7324648	Bio-Scale Mini Profinity eXact Cartridge, 1 x 5 ml	74
7318350	BioLogic LP Starter Kit	140	7324650	Bio-Scale Mini Ion Exchange Sampler Pack	88
7318365	LP Data View Software for BioLogic LP System	141	7324651	Bio-Scale Mini Affinity Sampler Pack	88
7319001	Econo Gradient Pump, 100/120 V	142	7324701	Foresight Nuvia S, 20 µl, 2	58
7319002	Econo Gradient Pump, 220/240 V	142	7324703	Foresight Nuvia Q, 20 µl, 2	58
7319004	Econo Gradient Pump Rack, preassembled	142	7324705	Foresight Nuvia cPrime, 20 µl, 2	65
7319006	Econo Gradient Pump Fittings Kit	142	7324707	Foresight Nuvia HR-S Plates, 20 µl	58
7319007	Econo Gradient Pump Tubing Kit	136	7324709	Foresight UNOsphere SUPRA, 20 µl	94
7319010	System Cable 22	131	7324710	Foresight UNOsphere S, 20 µl, 2	58
7319030	Econo Gradient Pump Combo 1, 100/120 V	142	7324714	Foresight UNOsphere Q, 20 µl	58



# Catalog Number Index

bio-rad.com

Cat. #	Description	Page	Cat. #	Description	Page
7324716	Foresight CHT Type I, 40 µm 20 µl, 2	66	7326400	Aurum Plasmid Mini Kit, 100 preps	14
7324718	Foresight CHT Type II, 40 µm, 20 µl, 8	66	7326400EDU	Aurum Plasmid Mini Purification Module	421
7324720	Foresight Nuvia S, 1 ml	58	7326701	Aurum Serum Protein Mini Kit, 10 pack	8
7324721	Foresight Nuvia Q, 1 ml	58	7326703	Aurum CEX Mini Columns, 25	6
7324722	Foresight Nuvia cPrime, 1 ml	65	7326706	Aurum AEX Mini Columns, 25	6
7324723	Foresight Nuvia HR-S Column, 1 ml	58	7326708	Aurum Affi-Gel Blue Mini Columns, 25	8
7324729	Foresight UNOsphere SUPrA, 1 ml	95	7326800	Aurum Total RNA 96 Kit	11
7324730	Foresight UNOsphere S, 1 ml	58	7326801	Aurum Total RNA Elution Solution	11
7324732	Foresight UNOsphere Q, 1 ml	58	7326802	Aurum Total RNA Lysis Solution	11
7324735	Foresight CHT Type I, 40 µm, 1 ml	66	7326803	Aurum Total RNA Wash High-Stringency Solution	11
7324736	Foresight CHT Type II, 40 µm, 1 ml	66	7326804	Aurum Total RNA Wash Low-Stringency Solution	11
7324737	Foresight MPC Type I Column, 40 µm, 1 ml	67	7326805	Aurum DNase Dilution Solution	11
7324740	Foresight Nuvia S, 5 ml	58	7326820	Aurum Total RNA Mini Kit	11
7324741	Foresight Nuvia Q, 5 ml	58	7326826	Aurum RNA Binding Mini Columns	11
7324742	Foresight Nuvia cPrime, 5 ml	65	7326828	DNase I	11
7324743	Foresight Nuvia HR-S Column, 5 ml	58	7326830	Aurum Total RNA Fatty and Fibrous Tissue Kit	11
7324749	Foresight UNOsphere SUPrA, 5 ml	95	7326870	Aurum Total RNA Fatty and Fibrous Tissue Module	11
7324750	Foresight UNOsphere S, 5 ml	58	7326880	PureZOL RNA Reagent, 50 ml	11
7324752	Foresight UNOsphere Q, 5 ml	58	7326890	PureZOL RNA Isolation Reagent, 100 ml	11
7324755	Foresight CHT Type I, 40 µm, 5 ml	66	7328102	2-Way Stopcocks, 10	99
7324756	Foresight CHT Type II, 40 µm, 5 ml	66	7328103	3-Way Stopcocks, 2 female luer to male luer, 10	138
7324757	Foresight MPC Type I Column, 40 µm, 5 ml	67	7328107	3-Way Stopcocks, nylon, 10	138
7324785	Foresight MPC Type II Plates, 40 µm, 20 µl	67	7328202	Double Luer Tubing Adaptor	138
7324801	Foresight Nuvia S RoboColumn, 8, 200 µl	58	7328300	0.8 mm Barb to Barb Connectors, 25	138
7324802	Foresight Nuvia S RoboColumn, 8, 600 µl	58	7328302	0.8 mm Barb T-Connectors, 25	138
7324804	Foresight Nuvia Q RoboColumn, 8, 200 µl	58	7370507	Econo-Column Chrom. Columns, 0.5 x 5 cm, 2	106
7324805	Foresight Nuvia Q RoboColumn, 8, 600 µl	58	7370512	Econo-Column Chrom. Columns, 0.5 x 10 cm, 2	106
7324807	Foresight Nuvia cPrime RoboColumn, 8, 200 µl	65	7370517	Econo-Column Chrom. Columns, 0.5 x 15 cm, 2	106
7324808	Foresight Nuvia cPrime RoboColumn, 8, 600 µl	65	7370522	Econo-Column Chrom. Columns, 0.5 x 20 cm, 2	106
7324813	Foresight UNOsphere S RoboColumn, 8, 200 µl	58	7370707	Econo-Column Chrom. Columns, 0.7 x 5 cm, 2	106
7324814	Foresight UNOsphere S RoboColumn, 8, 600 µl	58	7370712	Econo-Column Chrom. Columns, 0.7 x 10 cm, 2	106
7324819	Foresight UNOsphere Q RoboColumn, 8, 200 µl	58	7370717	Econo-Column Chrom. Columns, 0.7 x 15 cm, 2	106
7324820	Foresight UNOsphere Q RoboColumn, 8, 600 µl	58	7370722	Econo-Column Chrom. Columns, 0.7 x 20 cm, 2	106
7324822	Foresight CHT Type-I RoboColumn, 40 µm, 8, 200 µl	66	7370732	Econo-Column Chrom. Columns, 0.7 x 30 cm, 2	106
7324823	Foresight CHT Type-II RoboColumn, 40 µm, 8, 200 µl	66	7370752	Econo-Column Chrom. Columns, 0.7 x 50 cm, 2	106
7324825	Foresight CHT Type-II RoboColumn, 40 µm, 8, 200 µl	66	7371007	Econo-Column Chrom. Columns, 1 x 5 cm, 2	106
7324826	Foresight CHT Type-II RoboColumn, 40 µm, 8, 600 µl	66	7371012	Econo-Column Chrom. Columns, 1 x 10 cm, 2	106
7324828	Foresight MPC Type I RoboColumn Units, 40 µm, 200 µl	67	7371022	Econo-Column Chrom. Columns, 1 x 20 cm, 2	106
7324829	Foresight MPC Type I RoboColumn Units, 40 µm, 600 µl	67	7371032	Econo-Column Chrom. Columns, 1 x 30 cm, 2	106
7324831	Foresight Nuvia HR-S RoboColumn Units, 200 µl	58	7371052	Econo-Column Chrom. Columns, 1 x 50 cm, 2	106
7324832	Foresight Nuvia HR-S RoboColumn Units, 600 µl	58	7371091	Econo-Column Chrom. Columns, 1 x 100 cm, 2	106
7324834	Foresight UNOsphere SUPrA RoboColumn Units, 200 µl	95	7371093	Econo-Column Chrom. Columns, 1 x 120 cm, 2	106
7324835	Foresight UNOsphere SUPrA RoboColumn Units, 600 µl	95	7371507	Econo-Column Chrom. Columns, 1.5 x 5 cm, 2	106
7325304	Bio-Scale Mini Bio-Gel P-6 Desalting Cartridges, 5 x 10 ml	86	7371512	Econo-Column Chrom. Columns, 1.5 x 10 cm, 2	106
7325312	Bio-Scale Mini Bio-Gel P-6 Desalting Cartridge, 1 x 50 ml	86	7371517	Econo-Column Chrom. Columns, 1.5 x 15 cm, 2	106
7325314	Bio-Scale Mini Bio-Gel P-6 Desalting Cartridges, 5 x 50 ml	86	7371522	Econo-Column Chrom. Columns, 1.5 x 20 cm, 2	106
7326002	Bio-Spin 6 Columns, in SSC buffer, 25	17	7371532	Econo-Column Chrom. Columns, 1.5 x 30 cm, 2	106
7326006	Bio-Spin 30 Columns, in SSC buffer, 25	17	7371552	Econo-Column Chrom. Columns, 1.5 x 50 cm, 2	106
7326008	Bio-Spin Chromatography Columns, empty, 100	103	7371576	Econo-Column Chrom. Columns, 1.5 x 75 cm, 2	106
7326025	Bio-Spin Chromatography Columns, empty, 1,000	103	7371591	Econo-Column Chrom. Columns, 1.5 x 100 cm, 2	106
7326030	InstaGene Matrix, 20 ml	14	7371593	Econo-Column Chrom. Columns, 1.5 x 120 cm, 2	106
7326100	Quantum Prep Plasmid Miniprep Kit	13	7371598	Econo-Column Chrom. Columns, 1.5 x 170 cm, 2	106
7326120	Quantum Prep Plasmid Midiprep Kit	13	7372507	Econo-Column Chrom. Columns, 2.5 x 5 cm, 2	106
7326165	Freeze 'N Squeeze DNA Gel Extraction Spin Columns, pkg 25	15	7372512	Econo-Column Chrom. Columns, 2.5 x 10 cm, 2	106
7326166	Freeze 'N Squeeze DNA Gel Extraction Spin Columns, pkg 100	15	7372522	Econo-Column Chrom. Columns, 2.5 x 20 cm, 2	106
7326200	Micro Bio-Spin 6 Columns, in SSC buffer, 25	17	7372532	Econo-Column Chrom. Columns, 2.5 x 30 cm, 2	106
7326201	Micro Bio-Spin 6 Columns, in SSC buffer, 100	17	7372551	Econo-Column Chrom. Columns, 2.5 x 50 cm, 2	106
7326202	Micro Bio-Spin 30 Columns, in SSC buffer, 25	17	7372576	Econo-Column Chrom. Columns, 2.5 x 75 cm, 2	107
7326203	Micro Bio-Spin 30 Columns, in SSC buffer, 100	17	7372591	Econo-Column Chrom. Columns, 2.5 x 100 cm, 2	107
7326204	Micro Bio-Spin Chromatography Columns, empty, 100	103	7372593	Econo-Column Chrom. Columns, 2.5 x 120 cm, 2	107
7326221	Micro Bio-Spin 6 Columns, in Tris buffer, 25	17	7374006	Econo-Column Chrom. Columns, 1 x 5 cm, 4	106
7326222	Micro Bio-Spin 6 Columns, in Tris buffer, 100	17	7374011	Econo-Column Chrom. Columns, 1 x 10 cm, 4	106
7326223	Micro Bio-Spin 30 Columns, in Tris buffer, 25	17	7374021	Econo-Column Chrom. Columns, 1 x 20 cm, 4	106
7326224	Micro Bio-Spin 30 Columns, in Tris buffer, 100	17	7374031	Econo-Column Chrom. Columns, 1 x 30 cm, 4	106
7326227	Bio-Spin 6 Columns, in Tris buffer, 25	17	7374051	Econo-Column Chrom. Columns, 1 x 50 cm, 4	106
7326228	Bio-Spin 6 Columns, in Tris buffer, 100	17	7374150	Econo-Column Chrom. Columns, 1.5 x 5 cm, 4	106
7326231	Bio-Spin 30 Columns, in Tris buffer, 25	17	7374151	Econo-Column Chrom. Columns, 1.5 x 10 cm, 4	106
7326232	Bio-Spin 30 Columns, in Tris buffer, 100	17	7374152	Econo-Column Chrom. Columns, 1.5 x 20 cm, 4	106
7326250	Micro Bio-Spin 30 Columns, RNase-free, 25	17	7374153	Econo-Column Chrom. Columns, 1.5 x 30 cm, 4	106
7326251	Micro Bio-Spin 30 Columns, RNase-free, 100	17	7374155	Econo-Column Chrom. Columns, 1.5 x 50 cm, 4	106
7326300	PCR Kleen Spin Columns, 25	17	7374156	Econo-Column Chrom. Columns, 1.5 x 15 cm, 4	106
7326300EDU	PCR Kleen Spin Purification Module	421	7374250	Econo-Column Chrom. Columns, 2.5 x 5 cm, 4	106

# Catalog Number Index

bio-rad.com

Cat. #	Description	Page	Cat. #	Description	Page
7374251	Econo-Column Chrom. Columns, 2.5 x 10 cm, 4	106	7500415	SV5-4 Select Valve	127
7374252	Econo-Column Chrom. Columns, 2.5 x 20 cm, 4	106	7500450	DynaLoop Parts Kit	127
7374253	Econo-Column Chrom. Columns, 2.5 x 30 cm, 4	106	7500451	DynaLoop 25 Kit	127
7374506	Econo-Column Chrom. Columns, 0.5 x 5 cm, 4	106	7500452	DynaLoop 90 Kit	127
7374511	Econo-Column Chrom. Columns, 0.5 x 10 cm, 4	106	7500471	Sample Injection Port	127
7374516	Econo-Column Chrom. Columns, 0.5 x 15 cm, 4	106	7500475	DynaLoop 25 Sample Loop, 25 ml, replacement	127
7374521	Econo-Column Chrom. Columns, 0.5 x 20 cm, 4	106	7500476	DynaLoop 90 Sample Loop, 90 ml, replacement	127
7374706	Econo-Column Chrom. Columns, 0.7 x 5 cm, 4	106	7500482	25 µl Tefzel Sample Loop	127
7374711	Econo-Column Chrom. Columns, 0.7 x 10 cm, 4	106	7500483	50 µl Tefzel Sample Loop	127
7374716	Econo-Column Chrom. Columns, 0.7 x 15 cm, 4	106	7500490	Small-Volume Sample Loop Kit	127
7374721	Econo-Column Chrom. Columns, 0.7 x 20 cm, 4	106	7500491	Large-Volume Sample Loop Kit	127
7374731	Econo-Column Chrom. Columns, 0.7 x 30 cm, 4	106	7500492	100 µl PEEK Sample Loop	127
7374751	Econo-Column Chrom. Columns, 0.7 x 50 cm, 4	106	7500493	250 µl PEEK Sample Loop	127
7375011	Econo-Column Chrom. Column, 5 x 10 cm, 1	107	7500494	500 µl PEEK Sample Loop	127
7375021	Econo-Column Chrom. Column, 5 x 20 cm, 1	107	7500495	1 ml PEEK Sample Loop	127
7375031	Econo-Column Chrom. Column, 5 x 30 cm, 1	107	7500496	2 ml PEEK Sample Loop	127
7375051	Econo-Column Chrom. Column, 5 x 50 cm, 1	107	7500497	5 ml PEEK Sample Loop	127
7375071	Econo-Column Chrom. Column, 5 x 70 cm, 1	107	7500502	Signal Import Module	125
7376108	Econo-Column Jacketed Column, 0.7 x 15 cm, 1	107	7500553	1/8" OD (3.2 mm) Pre-Pump Fittings, 5	137
7376116	Econo-Column Jacketed Column, 1.0 x 15 cm, 1	107	7500554	1/16" (1.6 mm) OD Post-Pump Fittings, 10	100
7376131	Econo-Column Jacketed Column, 1 x 30 cm	107	7500556	Ferrule and Lock Rings, for 1/16" OD tubing, 10	137
7376151	Econo-Column Jacketed Column, 1.5 x 50 cm	107	7500559	Tefzel Caps, for 1/4–28 nut, 5	137
7376201	Econo-Column Open-Ended Jacketed Column, 1 x 30 cm	69	7500560	BioLogic Fittings Tool	137
7376601	Econo-Column Selection Pack A, 7 columns	107	7500561	Tefzel Union Adaptors, 1/4–28 to M6, 2	137
7376607	Econo-Column Selection Pack B, 6 columns	107	7500562	Tefzel Unions, 1/4–28 to 1/4–28, 5	137
7379112	Econo-Column Reservoir, 500 ml	109	7500563	Tefzel Plugs, 1/4–28 male connection, 5	137
7379113	Econo-Column Reservoir, 1 L	109	7500564	1/4–28 Female to 10–32 Male Fittings	92
7380014	Econo-Column Flow Adaptor, 1.0 cm ID x 1–7 cm long	108	7500565	Econo-Column to BioLogic System Fittings Kit	137
7380015	Econo-Column Flow Adaptor, 1.0 cm ID x 1–14 cm long	108	7500566	Bottle Cap Kit, 2 caps and 2 plugs	137
7380016	Econo-Column Flow Adaptor, 1.5 cm ID x 1–14 cm long	108	7500567	UNO M6 Fittings Kit, 2 nuts and 4 ferrules	100
7380017	Econo-Column Flow Adaptor, 2.5 cm ID x 1–14 cm long	108	7500568	ENrich 10–32 Fittings Kit	92
7380018	Econo-Column Flow Adaptor, 5.0 cm ID x 1–14 cm long	108	7500569	Delrin Nuts, for 1/16" OD Tubing, 10	137
7380019	Econo-Pac Flow Adaptor, 1.5 cm	102	7500570	Delrin Nuts, for 1/8" OD Tubing, 5	137
7380022	Flow Adaptor Maintenance Kit, for 5.0 cm adaptor	108	7500571	Ferrule and Lock Rings, for 1/8" OD tubing, 5	137
7380024	Flow Adaptor Maintenance Kit, for 1.0 cm adaptor	108	7500602	Tefzel Tubing, 1/16", 30'	136
7380025	Flow Adaptor Maintenance Kit, for 1.5 cm adaptor	108	7500603	FEP Tubing, 1/8" pre-pump connections, 15'	136
7380027	Flow Adaptor Maintenance Kit, for 2.5 cm adaptor	108	7500650	System Cable 17, 4'	125
7410002	BioFrac Fraction Collector	118	7500651	System Cable 18, 12'	134
7410007	BioFrac Fraction Collector Fittings Kit	133	7500652	System Cable 19, 9.2 m (30')	135
7410010	Rack Set F1	133	7500655	System Cable 21, 30 m (100')	135
7410011	Rack Set F2	133	7500703	Inline Filter Kit	124
7410012	Rack Set F3	133	7500704	Replacement Frits, for inline filter kit, 5	137
7410013	Rack Set H1	133	7510021	Bio-Scale CHT2-I Column	99
7410014	Rack Set H2	133	7510023	Bio-Scale CHT5-I Column	99
7410015	Rack Set H3	133	7510025	Bio-Scale CHT10-I Column	99
7410016	Rack Set H4	133	7510027	Bio-Scale CHT20-I Column	99
7410017	BioFrac Ice Bath/Microplate Rack	133	7510029	Top-off Resin Kit, CHT-I, 1 ml	99
7410018	BioFrac Prep-20 Preparative Rack	133	7510081	Bio-Scale MT2 Column, 7 x 52 mm	110
7410020	BioFrac H4-High Rack Set, 4 x flatpack	133	7510083	Bio-Scale MT5 Column, 10 x 64 mm	110
7410088	BioFrac Microplate Drop Head Kit	133	7510085	Bio-Scale MT10 Column, 12 x 88 mm	110
7500111	EZLogic Integration Software Package	128	7510087	Bio-Scale MT20 Column, 15 x 113 mm	110
7500162	Check Valve, for BioLogic DuoFlow system	124	7510091	Bio-Scale 2 Replacement Parts Kit	110
7500200	BioLogic DuoFlow Detector Kit	125	7510093	Bio-Scale 5 Replacement Parts Kit	110
7500202	UV Optics Module, for BioLogic DuoFlow system	125	7510095	Bio-Scale 10 Replacement Parts Kit	110
7500210	Flow Cell, preparative, 2 mm	125	7510097	Bio-Scale 20 Replacement Parts Kit	110
7500212	Flow Cell, analytical, 5 mm	125	7600036	BioLogic DuoFlow 10 System, 100/120 V, JP/KR	123
7500214	214 nm Conversion Kit, for serial #362BRXXXX detectors	125	7600037	BioLogic DuoFlow 10 System, 100/120 V	123
7500216	Mercury Lamp, for BioLogic DuoFlow system	125	7600038	BioLogic DuoFlow 10 System, 220/240 V	123
7500217	Zinc Lamp, for BioLogic DuoFlow system	125	7600046	BioLogic DuoFlow 10/BioFrac System, 100/120 V, JP/KR	123
7500220	Detector Filters, 254 and 280 nm	125	7600047	BioLogic DuoFlow 10/BioFrac System, 100/120 V	123
7500221	Detector Filter, 214 nm	125	7600048	BioLogic DuoFlow 10/BioFrac System, 220/240 V	123
7500224	Detector Filter, 405 nm	125	7600110	F10 Pump Kit, for BioLogic DuoFlow system	124
7500225	Detector Filter, 436 nm	125	7600135	BioLogic System Starter Kit	124
7500230	40 psi Backpressure Regulator	117	7600140	BioLogic DuoFlow F40 Workstation	124
7500240	Conductivity Monitor, for BioLogic DuoFlow system	125	7600150	BioLogic DuoFlow F10 Workstation	124
7500251	BioLogic Rack	129	7600161	F10 Piston Seals, 2	124
7500260	Column Clamp Set	129	7600162	F10 Piston Kit	124
7500262	Vertical Bars, long, 64 cm, 2	129	7600164	F10 Pump Maintenance Kit	124
7500263	Vertical Bars, short, 10 cm, 2	129	7600170	Model MX-1 Mixer	124
7500264	Horizontal Bar Kit	129	7600171	Mixer Barrel Extender	124
7500265	Bar Clamps, 5	129	7600172	F40 Piston Seals, 2	124
7500268	BioLogic Rack Expansion Kit	129	7600173	F40 Piston Kit	124

# Catalog Number Index

bio-rad.com

Cat. #	Description	Page	Cat. #	Description	Page
7600180	F40 Pump Kit	124	7880008	NGC Scout 100 Plus System, 100 ml/min, multi-wave	114
7600184	F40 Pump Maintenance Kit	124	7880009	NGC Discover 10 System, 10 ml/min	114
7600401	AVR7-3 Valve Rebuild Kit	127	7880010	NGC Discover 100 System, 100 ml/min	114
7600403	AVR9-8 Valve Rebuild Kit	127	7880011	NGC Discover Pro 10 Chromatography System	114
7600406	AVR7-3 Automated Sample Injection Valve	127	7880012	NGC Discover Pro 100 Chromatography System	114
7600408	AVR9-8 Stream-Select Valve	127	7880020IQOQ	NGC Quest/Quest Plus IQ/OQ	118
7600410	SVT3-2 Diverter Valve	127	7880030IQOQ	NGC Scout/Discover/Discover Pro IQ/OQ	118
7600411	SVT3-2 Valve Rebuild Kit	127	7884000	NGC Expansion Bay, tier 3	118
7600550	BioLogic DuoFlow Fittings Kit	127	7884001	NGC Expansion Bay, tier 4	118
7600604	PEEK Tubing, flow rates <10 ml/min, 1/16" OD, 30'	130	7884002	NGC F10 Pump Module, with 10 ml/min pump kit	117
7600605	PEEK Tubing, flow rates >10 ml/min, 1/16" OD, 30'	136	7884003	NGC F100 Pump Module, with 100 ml/min pump kit	117
7600650	F10 Tubing Kit	136	7884004	NGC Sample Pump 100 Module, with 100 ml/min pump kit	117
7600652	F40 Tubing Kit	136	7884006	NGC Inlet Valve Module	117
7601300	BioLogic QuadTec Detector Kit	125	7884007	NGC Sample Inject Valve	117
7601306	Standard Flow Cell, BioLogic QuadTec system	125	7884008	NGC Single-Wavelength Detector Module	117
7601307	System Cable 25 (QuadTec RS-232)	125	7884009	NGC Multi-Wavelength Detector Module	117
7601308	Long Fingertight Fittings, 10-32 x 0.82", 4	137	7884010	NGC Buffer Blending Valve Module	117
7601311	Long Fingertight Fittings, 10-32 x 1.03", 4	125	7884011	NGC pH Valve Module	117
7601320	Instrument Control Module (ICM) Kit	125	7884012	NGC Column Switching Valve Module	117
7601321	System Cable 26 (ICM power)	125	7884013	NGC Outlet Valve Module	117
7601330	Deuterium Lamp, for BioLogic QuadTec system	125	7884015	Computer, for use with NGC systems	118
7601331	Halogen Lamp, for BioLogic QuadTec system, with holder	125	7884016	NGC Signal Import Module	118
7601332	Halogen Lamp, for BioLogic QuadTec system	125	7884017	NGC Air Sensor Module	118
7601406	High-Speed Flow Cell, for BioLogic QuadTec system	125	7884018	NGC Mixer Module, for use with all NGC systems	117
7602002	BioLogic Maximizer Tubing Kit	136	7884019	NGC F100 Mixer, 750 µl base and top assembly	117
7602003	BioLogic Maximizer Interconnect Tubing	136	7884020	NGC F10 Mixer, 263 µl base and top assembly	117
7602004	System Cable 30	135	7884021	NGC F10 Mixer Barrel Kit, 750 µl ext. for F10 mixer	117
7602005	Maximizer Mixer Barrel Extender, 5 ml	124	7884022	NGC F10 Mixer Barrel Kit, 2 ml ext. for F10 mixer	117
7602010	BioLogic Maximizer Mixer	124	7884023	NGC F100 Mixer Barrel Kit, 5 ml ext. for F100 mixer	117
7602012	Maximizer Mixer Barrel Extender, 12 ml	124	7884024	NGC F100 Mixer Barrel Kit, 12 ml ext.	117
7602032	System Cable 31	135	7884025	NGC Communication Adaptor	118
7602034	Universal AC/DC Inline Adaptor for USB Bitbus Device	125	7884026	NGC Column Switching Valve Module, 100 ml	117
7602046	pH Tubing Kit	125	7884027	Monitor, 22", for use with NGC system computer	118
7602050	BioLogic DuoFlow Software Version 5.2 Upgrade	128	7884028	NGC F100 Mixer Barrel Kit	117
7604036	BioLogic DuoFlow 40 System, 100/120 V, JP/KR	123	7885000	NGC LED Lamp Replacement	117
7604037	BioLogic DuoFlow 40 System, 100/120 V	123	7885001	NGC Deuterium Lamp Replacement	117
7604038	BioLogic DuoFlow 40 System, 220/240 V	123	7885002	NGC Tungsten Lamp Replacement	117
7604046	BioLogic DuoFlow 40/BioFrac System, 100/120 V, JP/KR	123	7885003	Pump Maintenance Kit, 10 ml	118
7604047	BioLogic DuoFlow 40/BioFrac System, 100/120 V	123	7885004	Pump Maintenance Kit, 100 ml	118
7605010	C-96 Autosampler with Cooling, 110-240 V	118	7885005	F100 Pump Head Kit, 10 ml	118
7605011	C-96 Autosampler, 110-240 V	118	7885007	10-32 Peek union 1/16"	137
7605012	Prep Bio Kit	130	7885008	Fittings Tightener	137
7605013	Syringe	130	7885010	Adaptor, FEM Slip Luer	58
7605014	Connector Kit	130	7885011	NGC Autosampler	130
7605017	Analytical Bio Kit	130	7885012	NGC Autosampler	130
7605024	Sample Tray	130	7885013	NGC Autosampler Cables	135
7605026	Fittings Kit	130	7885014	NGC Buffer Tray	118
7605027	Needle	130	7885015	PEEK nut 1/8"	137
7605028	Prep Kit Needle	130	7885016	NGC Drip Tray	118
7610001	BioLogic DuoFlow 10 Core with BioFrac System 100/120 V	123	7885017	NGC Air Sensor Module	118
7610002	BioLogic DuoFlow 10 Core with BioFrac System 200/240 V	123	7885018	NGC Air Sensor Extension Module	118
7800001	ENrich Q 5 x 50 Column	92	7885020	NGC Air Sensor, small	118
7800003	ENrich Q 10 x 100 Column	92	7885021	NGC Air Sensor, large	118
7800008	Fittings, 10-32 PEEK, Black, 2/PK	92	7885022	NGC UV Flow Cell, 2 mm prep	117
7800021	ENrich S 5 x 50 Column	92	7885023	NGC UV Flow Cell, 10 mm	117
7800023	ENrich S 10 x 100 Column	92	7885024	NGC UV Flow Cell, 5 mm	117
7800091	ENrich S Frit Kit	92	7885026	NGC pH Probe (Ag/AgCl)	117
7800093	ENrich 10 Frit Kit	92	7885027	NGC Blank pH Probe	117
7800800	Nuvia IMAC Resin, 25 ml	71	7885031	NGC Fittings Kit	118
7800801	Nuvia IMAC Resin, 100 ml	71	7885035	NGC Tubing Retainers (large)	118
7800802	Nuvia IMAC Resin, 500 ml	71	7885038	NGC Column Holder	118
7800811	Bio-Scale Mini Nuvia IMAC Cartridges, Pkg of 1	70	7885039	NGC Cartridge Holder	118
7800812	Bio-Scale Mini Nuvia IMAC Cartridges, Pkg of 5	70	7885040	NGC Touch Screen Stand	118
7801070	ENrich SEC 70 10 x 300 Column	93	7885041	NGC Sample/Wash Tube Holder, for use with NGC systems	118
7801650	ENrich SEC 650 10 x 300 Column	93	7885042	NGC Tubing Retainers (small)	118
7880001	NGC Quest 10 System, 10 ml/min, UV	114	7885056	Ngc conductivity monitor	117
7880002	NGC Quest 100 System, 100 ml/min, UV	114	7885060	Touch screen bracket	118
7880003	NGC Quest 10 Plus System, 10 ml/min, multi-wave	114	7886000	ChromLab Software CD	120
7880004	NGC Quest 100 Plus System, 100 ml/min, multi-wave	114	7886001	ChromLab Software CD, Security Edition, 1 license	121
7880005	NGC Scout 10 System, 10 ml/min, UV	114	7886003	ChromLab Software CD, Security Edition, 3 licenses	121
7880006	NGC Scout 100 System, 100 ml/min, UV	114	7886005	ChromLab Software CD, Security Edition, 5 licenses	121
7880007	NGC Scout 10 Plus System, 10 ml/min, multi-wave	114	8007533	Lid with Cables, for mini prep cell	216

# Catalog Number Index

bio-rad.com

Cat. #	Description	Page	Cat. #	Description	Page
892018200001	xPONENT Extra Seat Licenses, 3 additional seats	300	M6000003J7	Bio-Plex Pro Mouse Cytokine Th1/Th2 Panel	312
892018500001	xPONENT CFR 21 Part 11 Software Module	300	M6000007NY	Bio-Plex Pro Mouse Cytokine Th17 Panel A 6-Plex Group 1	312
892018600001	xPONENT LIS Software Module	300	M600009RDPD	Bio-Plex Pro Mouse Cytokine 23-Plex Panel	312
892018700001	xPONENT Automation Module	300	MC100xx01	Bio-Plex Pro Magnetic COOH Beads, 1 ml, XX = bead region	325
900768018	Replacement Platinum Wire, cathode, 18"	187	MC100xx04	Bio-Plex Pro Magnetic COOH Beads, 4 ml, XX = bead region	325
900768024	Replacement Platinum Wire, anode, 24"	187	MD000000EL	Bio-Plex Pro Mouse Cytokine 9-Plex Panel	312
9100509	2-Way Stopcock	219	MF0005KMill	Bio-Plex Pro Human Cytokine 21-Plex Panel	310
9207965	GelAir Plastic Drying Frame, without metal square frame	220	MLL4801	Multiplate Low-Profile 48-Well Plates, natural, 50	391
ADR3296	Optical Compression Pad	398	MLL4851	Multiplate Low-Profile 48-Well Plates, white, 50	391
ADR5001	Pressure Pad	398	MLL9601	Multiplate Low-Profile 96-Well Plates, natural, 25	394
BioPlex3D	Bio-Plex 3D System	300	MLL9651	Multiplate Low-Profile 96-Well Plates, white, 25	394
CHO1401	Chill-out Liquid Wax, red, 100 ml	401	MLP4801	Multiplate 48-Well Plates, natural, 50	391
CHO1404	Chill-out Liquid Wax, red, 1 L	401	MLP9601	Multiplate 96-Well Plates, natural, 25	360
CHO1411	Chill-out Liquid Wax, clear, optical grade, 100 ml	401	MLP9631	Multiplate 96-Well Plates, blue, 25	394
CHO1414	Chill-out Liquid Wax, clear, optical grade, 1 L	401	MLP9651	Multiplate 96-Well Plates, white, 25	394
ECT1000	Easy Cap Tool	391	MSA5001	Microseal 'A' Film, 50 sheets	398
ECT2000	Strip Cap Tool	391	MSB1001	Microseal 'B' Adhesive Seals, optical clarity, 100 seals	360
FM3D-CAL-K25	Bio-Plex 3D Calibration Kit	300	MSC1001	Microseal 'C' Optical Seals, 100 seals	398
FM3D-PVER-K25	Bio-Plex 3D Performance Verification Kit	300	MSF1001	Microseal 'F' Foil, 100	398
HSL9601	Hard-Shell Low-Profile 96-Well Semi-Skirted PCR Plates	393	MSL2022	Arched Auto-Sealing PCR Plate Lids, 5	400
HSL9605	Hard-Shell Low-Profile 96-Well Semi-Skirted PCR Plates	393	MSL2032	Arched Auto-Sealing PCR Plate Lids with Wide Tabs	400
HSL9641	Hard-Shell Low-Profile 96-Well Semi-Skirted PCR Plates	393	MSO1001	Optical Film Sealing Kit	398
HSL9645	Hard-Shell Low-Profile 96-Well Semi-Skirted PCR Plates	393	MSP1001	Microseal 'P' Pads, for Power Bonnet lids, 10	400
HSL9901	Hard-Shell Low-Profile 96-Well Semi-Skirted PCR Plates	393	MSP1002	Microseal 'P+' Pads, for Moto Alpha lids, 10	400
HSL9905	Hard-Shell Low-Profile 96-Well Semi-Skirted PCR Plates	393	MSP1003	Microseal 'P' Replacement Pads, for wide-tab autosealing lids, 10	400
HSP3801	Hard-Shell 384-Well Plates, clear well, clear shell, 50	395	MSP3842	Microseal 384-Well Skirted Plates, v. 2, natural, 50	396
HSP3801B	Hard-Shell 384-Well Plates, clear well, clear shell, 500	395	MSP3846	Microseal 384-Well Skirted Plates, clear, barcoded, 50	396
HSP3805	Hard-Shell 384-Well Plates, white well, clear shell, 50	395	MSP3852	Microseal 384-Well Skirted Plates, v. 2, white, 50	396
HSP3811	Hard-Shell 384-Well Plates, clear well, red shell, 50	395	MSP3862	Microseal 384-Well Skirted Plates, black, 50	396
HSP3821	Hard-Shell 384-Well Plates, clear well, yellow shell, 50	395	MSP9601	Microseal 96-Well Skirted Plates, natural, 50	395
HSP3831	Hard-Shell 384-Well Plates, clear well, blue shell, 50	395	MSP9605	Microseal 96-Well Skirted Plates with Bar Codes, natural, 50	395
HSP3841	Hard-Shell 384-Well Plates, clear well, green shell, 50	395	MSR0001	Sealing Roller, for film seals	398
HSP3865	Hard-Shell 384-Well Plates, white well, black shell, 50	395	MSS9601	Microseal 96-Well Semi-Skirted Plates, natural, 25	395
HSP3866	Hard-Shell 384-Well Plates, black well, black shell, 50	395	SLF0201	Frame-Seal Slide Chambers, 9 x 9 mm, 100	401
HSP3901	Hard-Shell 384-Well Plates with Bar Codes, clear well,	395	SLF0601	Frame-Seal Slide Chambers, 15 x 15 mm, 100	401
HSP3905	Hard-Shell 384-Well Plates, white well, clear shell, bar-coded, 50	395	SLF1201	Frame-Seal Slide Chambers, 17 x 28 mm, 100	401
HSP9601	Hard-Shell 96-Well Plates, clear well, white shell, 50	362	SLF3001	Frame-Seal Slide Chambers, 19 x 60 mm, 100	401
HSP9601B	Hard-Shell 96-Well Plates with Bar Codes, white shell, 400	393	TBC0802	0.2 ml 8-Tube Strips and Domed Cap Strips, natural, 20 pkg of 12	390
HSP9611	Hard-Shell 96-Well Plates, clear well, red shell, 50	393	TBC1202	0.2 ml 12-Tube Strips and Domed Cap Strips, natural, 20 pkg of 8	390
HSP9621	Hard-Shell 96-Well Plates, clear well, yellow shell, 50	393	TBI0201	0.2 ml PCR Tubes without Caps, natural, 1,000	390
HSP9631	Hard-Shell 96-Well Plates, clear well, blue shell, 50	393	TBI0501	0.5 ml PCR Tubes with Flat Caps, natural, 1,000	390
HSP9635	Hard-Shell 96-Well Plates, white well, blue shell, 50	393	TBI0502	0.5 ml PCR Tubes with Flat Caps, natural, 800	390
HSP9641	Hard-Shell 96-Well Plates, clear well, green shell, 50	393	TBS0201	0.2 ml 8-Tube Strips without Caps, natural, 125	390
HSP9645	Hard-Shell 96-Well Plates, white well, green shell, 50	393	TBS1201	0.2 ml 12-Tube Strips without Caps, natural, 100	360
HSP9655	Hard-Shell 96-Well Plates, white well, black shell, 50	393	TCS0801	Domed 8-Cap Strips, for 0.2 ml PCR tubes/plates, 120	390
HSP9661	Hard-Shell 96-Well Plates, clear well, black shell, 50	393	TCS0803	Optical Flat 8-Cap Strips, for 0.2 ml PCR tubes/plates, 120	363
HSP9665	Hard-Shell 96-Well Plates, white well, black shell, 50	393	TCS1201	Domed 12-Cap Strips, for 0.2 ml tubes/plates, 200	360
HSP9666	Hard-Shell 96-Well Plates, black well, black shell, 50	393	TFI0201	0.2 ml PCR Tubes with Flat Caps, natural, 1,000	390
HSP9901	Hard-Shell 96-Well Plates with Bar Codes, clear well,	393	TLS0801	Low-Profile 0.2 ml 8-Tube Strips, without caps, natural, 120	363
HSP9955	Hard-Shell 96-Well Plates with Bar Codes, white well,	393	TLS0851	Low-Profile 0.2 ml 8-Tube Strips, white, 120	390
HSR4801	Hard-Shell 384-Well 480 PCR Plates, clear well, clear shell, 50	396	TRC0501	96-Place Racks, with covers, 5	391
HSR4801K	Hard-Shell 384-Well 480 PCR Plates, clear well, clear shell, 100	396	TRC9601	PCR Tube Rack, ANSI/SBS standard, white, 10	391
HSR4805	Hard-Shell 384-Well 480 PCR Plates, white well, clear shell, 50	396	TW10201	0.2 ml PCR Tubes with Domed Caps, natural, 1,000	360
HSR4805K	Hard-Shell 384-Well 480 PCR Plates, white well, clear shell, 100	396			
HSR9901	Hard-Shell 96-Well 480 PCR Plates, clear shell, clear well, 25	393			
HSR9901K	Hard-Shell 96-Well 480 PCR Plates, clear shell, clear well, 100	393			
HSR9905	Hard-Shell 96-Well 480 PCR Plates, clear shell, white well, 25	393			
HSR9905K	Hard-Shell 96-Well 480 PCR Plates, clear shell, white well, 100	393			
HSS9601	Hard-Shell Full-Height 96-Well Semi-Skirted PCR Plates	360			
HSS9641	Hard-Shell Full-Height 96-Well Semi-Skirted PCR Plates	393			
HSS9665	Hard-Shell Full-Height 96-Well Semi-Skirted PCR Plates	393			
HSS9901	Hard-Shell Full-Height 96-Well Semi-Skirted PCR Plates	393			
Inquire	Photosynthesis and Respiration ThINQ! kit	419			
L6000004C6	Bio-Plex Pro Mouse Cytokine Th1 7-Plex Panel	312			
L600000UKVT	Bio-Plex Pro Mouse Cytokine Th2 7-Plex Panel	312			
LQ00000S6KL81S	Bio-Plex Pro Cell Signaling MAPK Panel 9-Plex Assay	316			
LQ00006JKOK0RR	Bio-Plex Pro Cell Signaling Akt Panel 8-Plex Assay	316			
M50000007A	Bio-Plex Pro Human Cytokine 8-Plex Panel	310			
M5000005L3	Bio-Plex Pro Human Cytokine Th1/Th2 Panel	310			
M5000031YV	Bio-Plex Pro Human Cytokine 17-Plex Panel	310			
M500KCAF0Y	Bio-Plex Pro Human Cytokine 27-Plex Panel	310			
M60000007A	Bio-Plex Pro Mouse Cytokine 8-Plex Panel	312			

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