



ABALONASE™ and ABALONASE™+ PURIFIED BETA-GLUCURONIDASE FORMULA CLEAN, RAPID AND RELIABLE

Abalอนase™

Purified Beta-glucuronidase formula that has been designed to quickly hydrolyze conjugated drug metabolites in human samples within minutes.

Part Number	Vol. (mL)	Activity (units)
ASBETA-GLUC-10	10	≥50,000 units/mL
ASBETA-GLUC-25	25	≥50,000 units/mL
ASBETA-GLUC-50	50	≥50,000 units/mL
ASBETA-GLUC-100	100	≥50,000 units/mL

Form: Clear Aqueous Solution / Sulfatase Activity: None /
Storage: +4°C to +8°C

Abalอนase™ +

Designed for deconjugation of both glucuronidated and sulfated metabolites. The formula is enriched with 4 arylsulfatases making it ideal for the hydrolysis of steroid metabolites.

Part Number	Vol. (mL)	Activity (units)
ASFBETA-GLUC-10	10	≥50,000 units/mL
ASFBETA-GLUC-25	25	≥50,000 units/mL
ASFBETA-GLUC-50	50	≥50,000 units/mL
ASFBETA-GLUC-100	100	≥50,000 units/mL

Form: Clear Aqueous Solution / Sulfatase Activity: > 400 U/mL /
Storage: +4°C to +8°C



Shown from left to right: Abalอนase™ purified Beta-glucuronidase formula, Selectrazyme® and Red Abalone Beta-Glucuronidase enzyme from an alternate supplier.

Rapid Hydrolysis Buffer included in every order.

Every Abalอนase™ and Abalอนase™ + purified Beta-glucuronidase formula comes with a Rapid Hydrolysis Buffer to be used at your convenience. Through its usage, both purified Beta-glucuronidase formulas will achieve their maximum performance and it will significantly reduce sample preparation times and use of alternate reagents in addition to minimizing buffer preparation errors.



UCT, Inc.
 2731 Bartram Road
 Bristol, PA 19007
 www.unitedchem.com • 800.385.3153

ango Bishop Ranch 6
 2410 Camino Ramon, Suite 163
 San Ramon, CA 94583

Technology developed by Ango

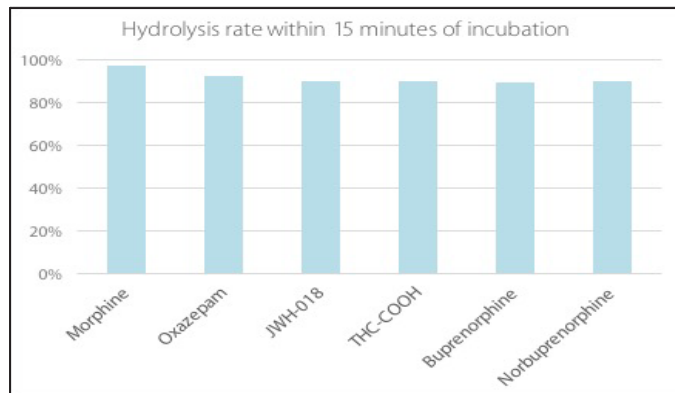
Hydrolysis Results

This purified beta-glucuronidase provides half the activity units with the same conversion rate as a traditional abalone-derived enzyme. Conversion of Morphine-6-Glucuronide and Codeine-6-Glucuronide, crucial metabolites that are typically difficult to hydrolyze, is achieved in a reasonable time frame without addition of exorbitant amounts of enzyme.

Morphine-6-Glucuronide and Codeine-6-Glucuronide Conversion Rates(%)

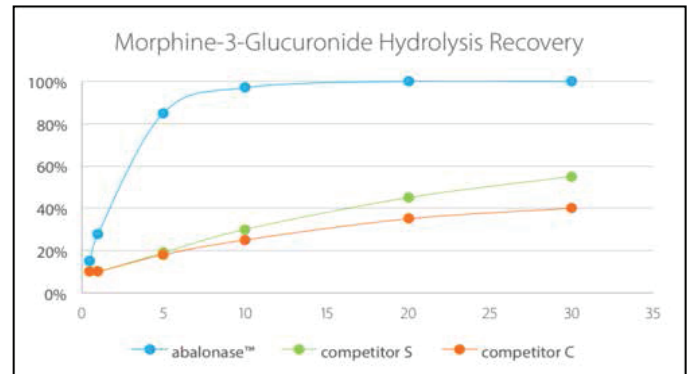
Enzyme Source	Units of Activity		Morphine-6-G		Codeine-6-G	
			Incubation Time		Incubation Time	
			60 min.	90 min.	60 min.	90 min.
Abalonase™	2,500	50 µL	35	41	15	23
	5,000	100 µL	63	81	61	82
Selectrazyme®	5,000	50 µL	27	50	24	36
	10,000	100 µL	44	81	40	65

*All tests run at 70°C, with the included Rapid Hydrolysis Buffer.



*All tests run at 65°C, with the included Rapid Hydrolysis Buffer.

Within minutes of application, Abalonase™ can deconjugate the major metabolites of interest including benzodiazepines, opioids, cannabinoids (naturally occurring and synthetic) and steroids.



Abalonase™ can be used for real time and room temperature hydrolysis for high-throughput drug screening applications.

