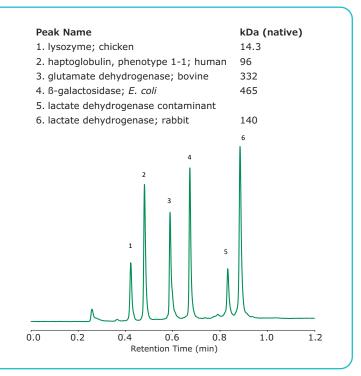
<b>Rapid Protein</b>	Separations	on BIOshell™	A400

•	•
column:	BIOshell™ A400 Protein C4, 5 cm x 2.1 mm I.D., 3.4 μm
mobile phase:	[A] 75:25 (0.1% TFA in water):(0.1% TFA in acetonitrile); [B] 25:75 (0.1% TFA in water):(0.1% TFA in acetonitrile)
gradient:	12 to 100% B in 1 min; held at 100% B for 1 min
flow rate:	0.4 mL/min
column temp.:	90 °C
detector:	UV, 215 nm
injection:	1 μL
sample:	Protein mix, varied concentration, water (0.1% TFA)

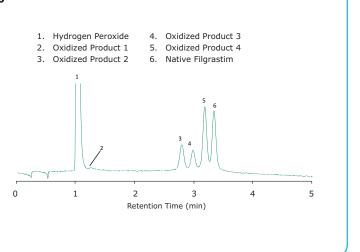
Due to the shallow, porous shell, protein separations can be performed in less than one minute with the BIOshell^ ${\rm TM}$  A400 column.

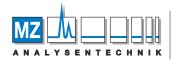


## Protein Stability Can be Measured with BIOshell<sup>™</sup> A400

	-
column:	BIOshell™ A400 Protein C4, 10 cm x 2.1 mm I.D., 3.4 µm
mobile phase:	[A] 0.1% TFA in water; [B] 0.1% TFA in acetonitrile
gradient:	55 to 70% B in 5 min
flow rate:	0.2 mL/min
column temp.:	60 °C
detector:	UV, 215 nm
injection:	1 μL
sample:	Oxidized filgrastim, 98 µg/mL, 0.1% aqueous hydrogen peroxide

Proteins can be oxidized overtime if not stored properly. Oxidized proteins can lead to lower efficacy or toxicity. The BIOshell<sup>™</sup> A400 Protein C4 resolved the oxidation products of Filgrastim in under five minutes.





## AUTHORIZED DISTRIBUTOR

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