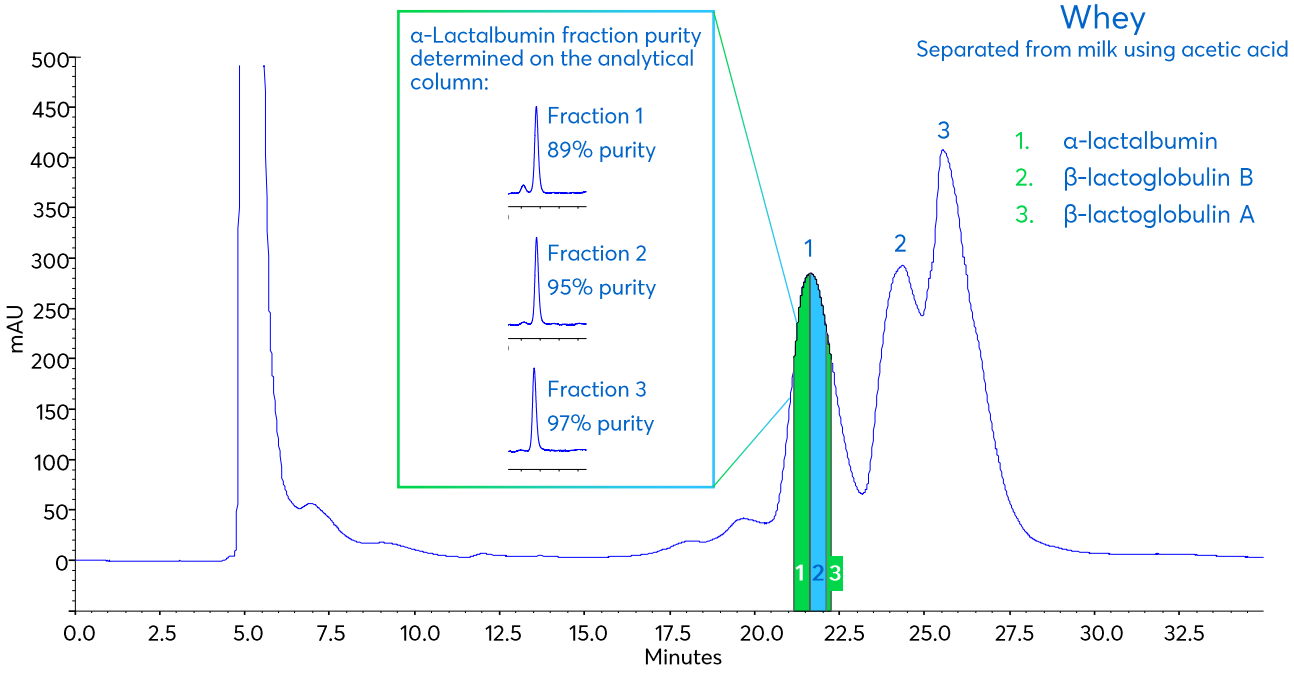
Chromatography Solutions

Application note #7760

Preparative Scale Fractionation of α-Lactalbumin from Whey with Purity Confirmation



Avantor® ACE®

Method Details

ANALYTICAL CONDITIONS

Column:	Avantor® ACE® 3 C4-300
Particle Size:	3 µm
Dimensions:	150 x 2.1 mm
Mobile Phase:	A: 0.01% TFA in H_2O
	B: 0.01% TFA in MeCN

Gradient:

Time (mins)	% B
0	33
5	33
32	43
35	80

Flow Rate:	0.2 mL/min
Injection Volume:	1 µL
Temperature:	45 °C
Detection:	UV, 210 nm

PREPARATIVE CONDITIONS

Column:	Avantor® ACE® 5 C4-300
Particle Size:	5 µm
Dimensions:	150 x 21.2 mm
Mobile Phase:	A: 0.01% TFA in H_2O
	B: 0.01% TFA in MeCN

Gradient:

Time (mins)	% B
0	33
5	33
32	43
35	80

Flow Rate:	21.2 mL/min
Injection Volume:	3 mL
Temperature:	22 °C
Detection:	UV, 210 nm

ORDERING TABLE

Product	Details	Size	Part Number
Avantor® ACE® 3 C4-300	HPLC Column	150 x 2.1 mm	ACE-213-1502
Avantor® ACE® 5 C4-300	Preparative Column	150 x 21.2 mm	ACE-223-1520
Acetonitrile	VWR CHROMANORM® super gradient grade	2.5 L	83639.320
Water	VWR CHROMANORM® super gradient grade	2.5 L	83650.320
Trifluoroacetic acid	VWR HiPerSolv CHROMANORM® for LC/MS	10 x 1 mL	85049.001

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