

Conditions

Column: ACE Excel 2 C18
Dimensions: 100 x 2.1 mm
Part Number: EXL-101-1002U
Mobile Phase: A: 0.1% formic acid in H₂O
 B: MeCN

Gradient:	Time (mins)	%B
	0.0	30
	1.0	30
	7.0	95
	7.1	30
	10.0	30

Flow Rate: 0.4 mL/min
Injection: 50 µL
Temperature: 40 °C
Sample: 0.05 ppb
Detection: Bruker EVOQ Elite triple quad MS
 VIP heated-ESI temperature: 350 °C
 Cone gas temperature: 200 °C
 Spray voltage: 4500 V (+)
 Collision gas: argon 1.5 mTorr

Analytes

1. Microcystin RR (MW 1038)
(m/z 520 → 135)
2. Microcystin LR (MW 995)
(m/z 498 → 135)
3. Microcystin YR (MW 1045)
(m/z 523 → 135)

Variants

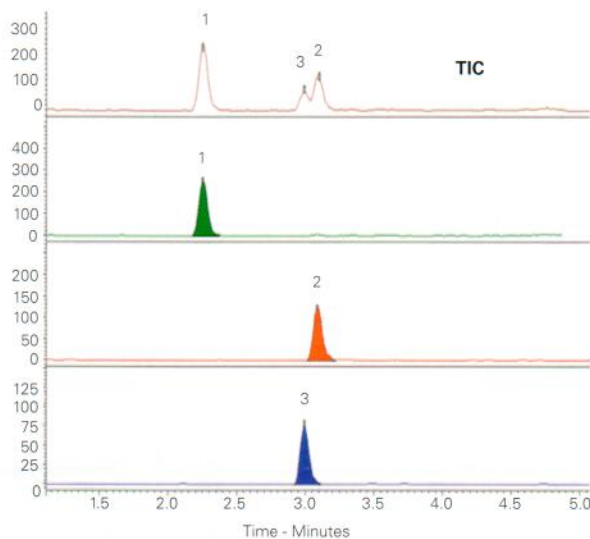
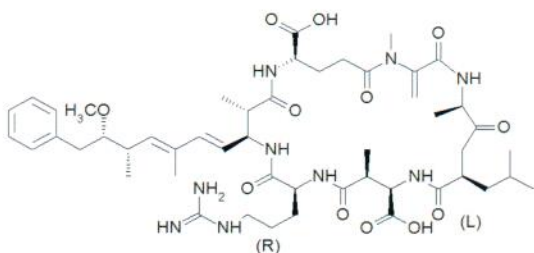
Microcystin-LR
 Microcystin-RR
 Microcystin-YR

R

Leucine
 Arginine
 Tyrosine

L

Arginine
 Arginine
 Arginine



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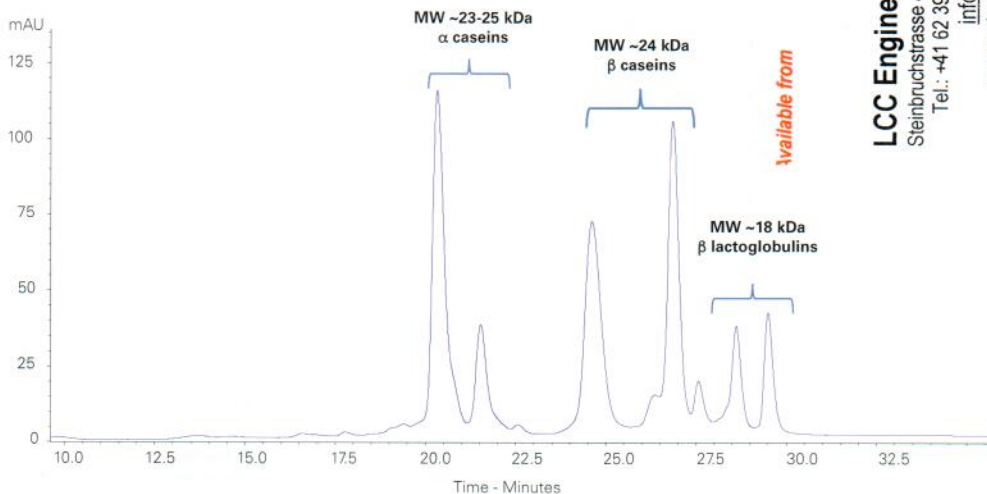
Milk Proteins

Conditions

Column: ACE 5 C18-300
Dimensions: 150 x 2.1 mm
Part Number: ACE-221-1502
Mobile Phase: A: 0.01% TFA in H₂O
 B: 0.01% TFA in MeCN

Gradient:	Time (mins)	%B
	0.0	33
	5.0	33
	9.0	35
	18.0	37
	22.0	40
	27.5	41
	28.0	41
	43.0	43

Flow Rate: 0.2 mL/min
Temperature: 45 °C
Detection: UV, 214 nm



available from

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