

Defensins (Human) in Saliva Matrix

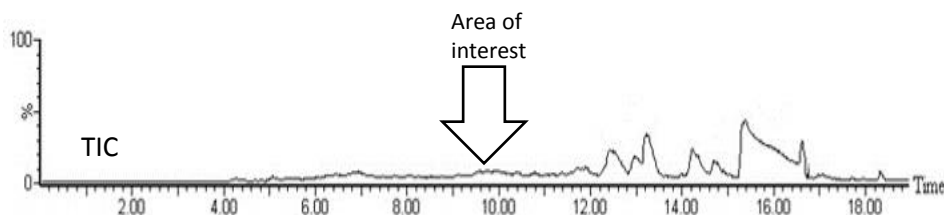
Application #AN1270

Conditions

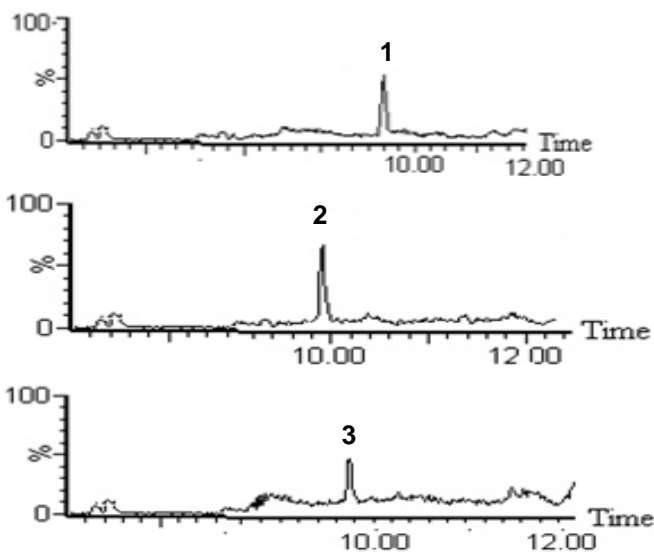
Column: ACE UltraCore 2.5 SuperC18
Dimensions: 50 x 3.0 mm
Part Number: CORE-25A-0503U
Mobile Phase: A: 0.1% formic acid in H₂O
B: 0.1% formic acid in MeCN

Time (mins)	%B
0	2
2	2
17	50
19	95
20	95

Flow Rate: 0.6 mL/min
Sample Preparation: SPE on C18
Detection: Synapt G1 QToF +ESI MS
Sampling cone voltage: 40 V
Source temperature: 150 °C
Capillary voltage: 4.8 kV
Extraction cone voltage: 41 kV
Desolvation temperature: 500 °C
Acquisition: 100-2000 *m/z*



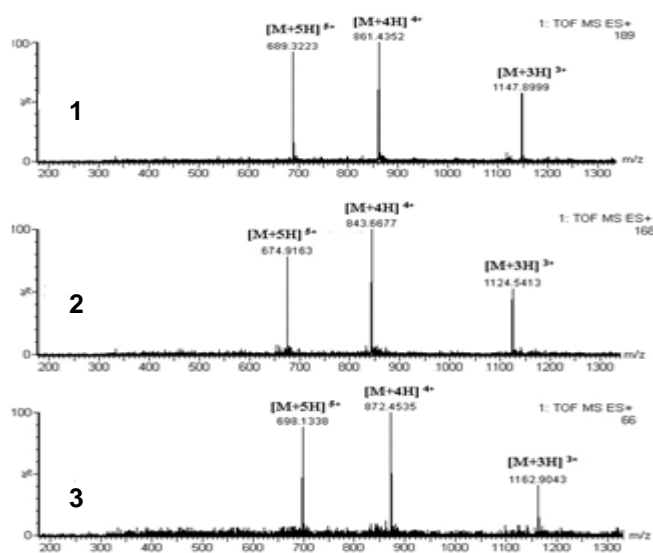
Extracted ion current chromatograms
(sum of multiply protonated ions [M+3H]³⁺, [M+4H]⁴⁺ and [M+5H]⁵⁺)



Defensin Human Neutrophil Peptides

1. HNP-1
(30 amino acid residues)
2. HNP-2
(29 amino acid residues)
3. HNP-3
(30 amino acid residues)

Mass spectra



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