# Detection of Oxytocin and Vasopressin in Serum by LC-MS/MS

ACE® Ultra-inert UHPLC & HPLC Columns

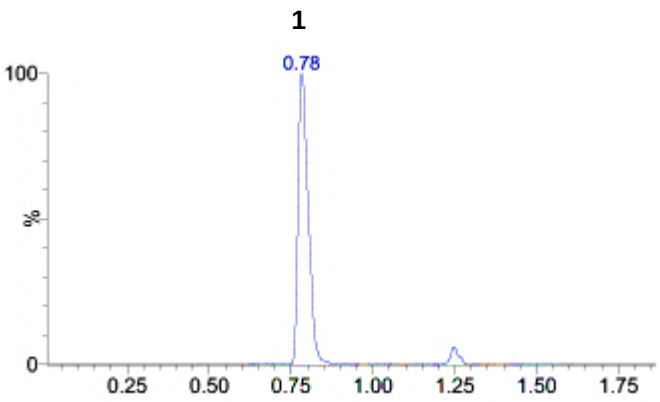
**Application #AN6630**

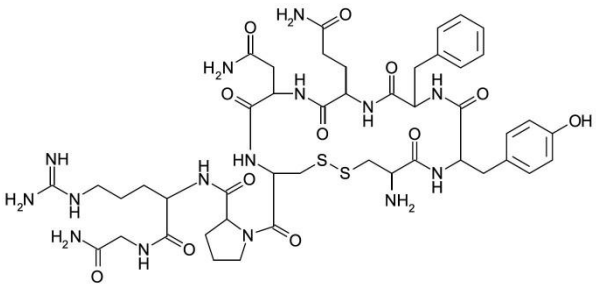
**Conditions**

| | |
|---|---|
| Column: | ACE 3 C18-300 |
| Dimensions: | 50 x 2.1 mm |
| Part Number: | ACE-211-0502 |
| Mobile Phase: | A: 0.1% formic acid in water<br>B: 0.1% formic acid in acetonitrile |

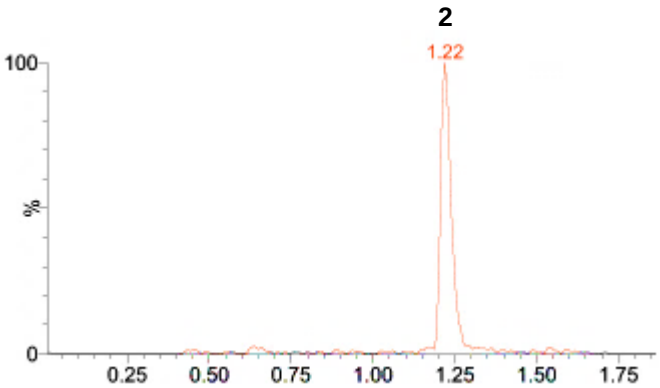
| Time (mins) | %B |
|---|---|
| 0 | 10 |
| 1.5 | 33 |
| 1.6 | 10 |

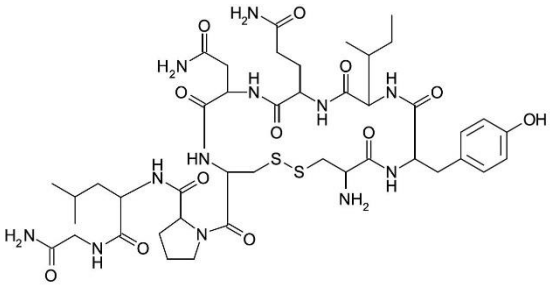
| | |
|---|---|
| Flow Rate: | 0.4 mL/min |
| Injection Volume: | 10 µL |
| Temperature: | 40 °C |
| Detection: | XEVO TQ-S triple quad MS<br>Desolvation temperature: 500 °C<br>Ion source temperature: 150 °C<br>Positive ion mode ESI, MRM |



1. Vasopressin
(*m/z 542.8 → 328.2*)



2. Oxytocin
(*m/z 504.2 → 285.2*)

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