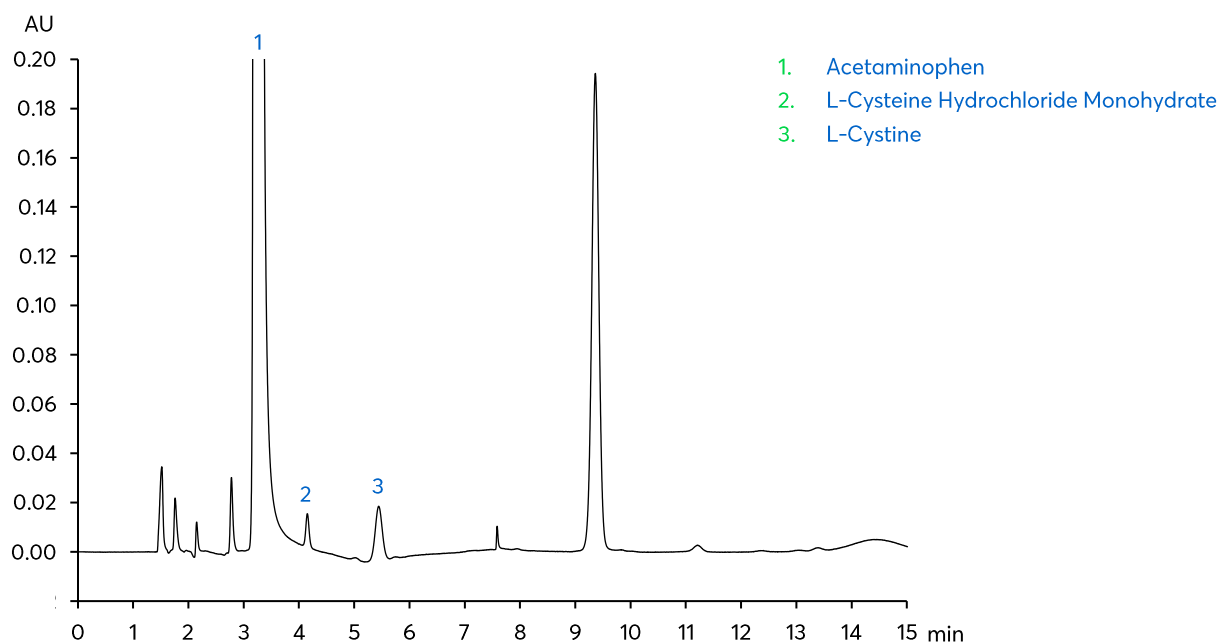


## Application note #7710

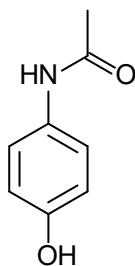
# Separation of Acetaminophen, L-Cysteine and L-Cystine



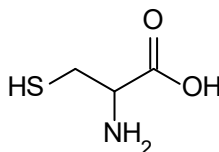
# Method Details

## CONDITIONS

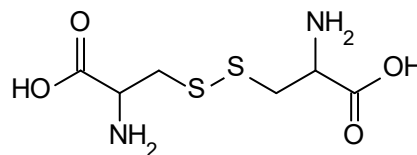
|                   |                                                                                                                                        |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Columns:          | Avantor® ACE® 3 AQ                                                                                                                     |
| Particle Size:    | 3 µm                                                                                                                                   |
| Dimensions:       | 150 x 4.6 mm                                                                                                                           |
| Solution A:       | 5.0 g/L ammonium sulfate and 8.7 g/L sodium 1-octanesulfonate in H <sub>2</sub> O.<br>Adjust to pH 2.10 with 10% orthophosphoric acid. |
| Solution B:       | MeCN/MeOH (80:20)                                                                                                                      |
| Mobile Phase:     | Solution A/B (75:25)                                                                                                                   |
| Flow Rate:        | 1.0 mL/min                                                                                                                             |
| Injection Volume: | 10 µL                                                                                                                                  |
| Temperature:      | 25 °C                                                                                                                                  |
| Detection:        | UV, 205 nm                                                                                                                             |



Acetaminophen



L-Cysteine



L-Cystine

## ORDERING TABLE

| Product            | Details     | Size         | Part Number  |
|--------------------|-------------|--------------|--------------|
| Avantor® ACE® 3 AQ | HPLC Column | 150 x 4.6 mm | ACE-116-1546 |

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