

Cadenza CD-C18

250 x 4.6 mm

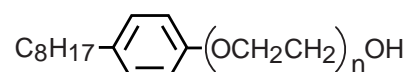
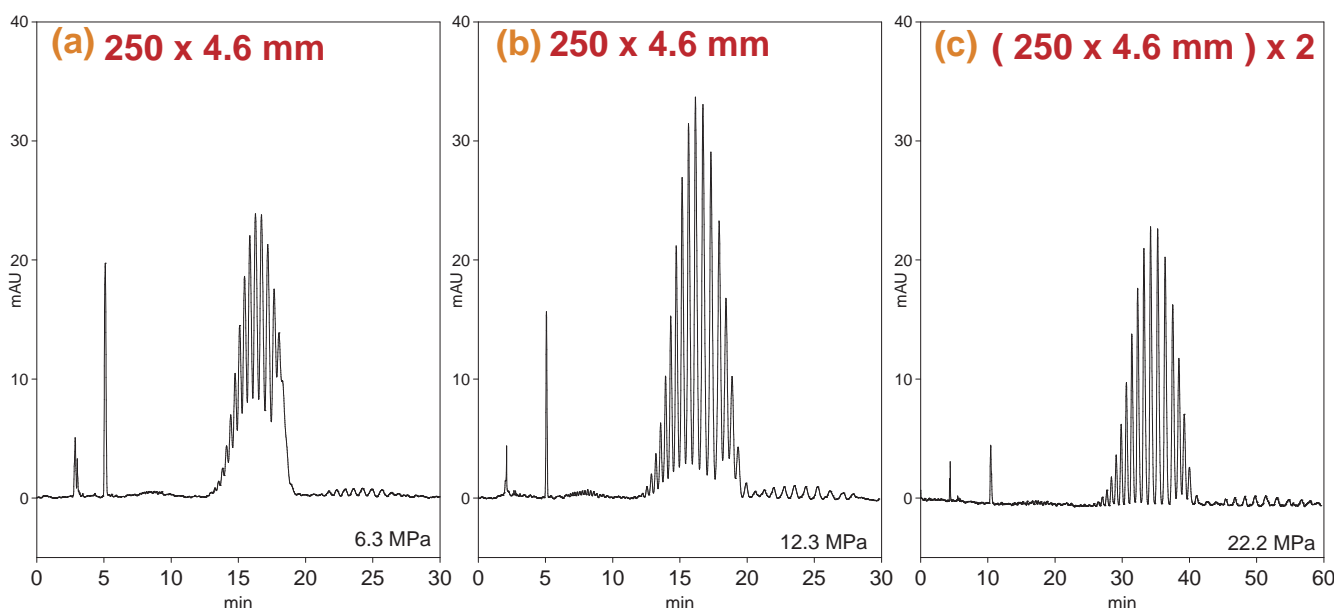
Technical

Highly-Efficient Separation of Surfactant

Conventional 5µm ODS

Cadenza CD-C18

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Triton X-100

ACN / water = 65 / 35, 0.8 mL/min, UV at 254 nm

Triton X-100, a surfactant including a poly-oxyethylene chain with a different degree of polymerization, is a difficult chemical compound ODS column separation.

Chromatogram (a) is a separation by a conventional 5µm column and the degree of polymerization recognition is insufficient. Chromatogram (b) shows that Cadenza CD-C18 particularly improves separation. Moreover, Chromatogram (c) shows a nearly perfect separation achieved by connecting two Cadenzas with each other.

Cadenza CD-C18's impressive ability to recognize molecules in the stationary phase and outstanding 50,000 plates lends itself to improve recognition of oxy-ethylene within Triton X-100.

Cadenza CD-C18 pushes the envelope of history to open up a new era of high separation ability in the reversed-phase analysis mode.