

CoreFocus Report

No.613

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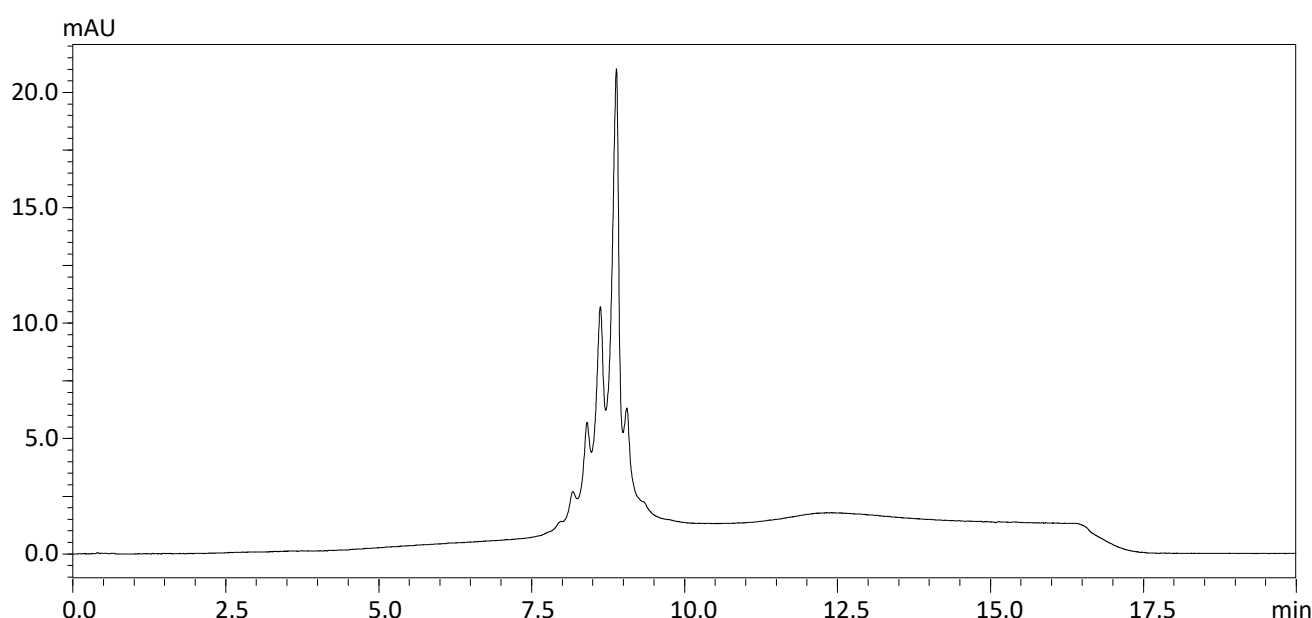
ion exchange mode

Shim-pack™ Series

Shim-pack Bio IEX SP-NP

Analysis of Charge Variant of Trastuzumab Deruxtecan

Keywords: antibody-drug conjugation, pH gradient, bio-pharmaceutical



System	: Nexera™ lite inert
Column	: Shim-pack Bio IEX SP-NP (50 mm x 4.6 mm I.D., 5 μm), P/N: 227-31006-02
Mobile phase	: A) 30 mmol/L MES ^{*1} -HEPES ^{*2} -sodium acetate (pH 5)/acetonitrile = 95/5(v/v) : B) 30 mmol/L MES-HEPES-sodium acetate (pH 10)/acetonitrile = 95/5(v/v)
Time program	: 2 %B(0 min) — 100%B (10- 15 min) — 2 %B (15.1-20 min)
Flow rate	: 1.0 mL/min
Column Temp.	: 30 °C
Injection volume	: 1 μL
Detection	: UV 280 nm
Vial	: Shim-vial™ H glass, P/N: 227-34500-01

^{*1} MES:2-(N-morpholino)ethanesulfonic acid, ^{*2} HEPES: 4-(2-hydroxyethyl)-1-piperazineethanesulfonic acid

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