

**CoreFocus**  
**Report**  
**No.271**

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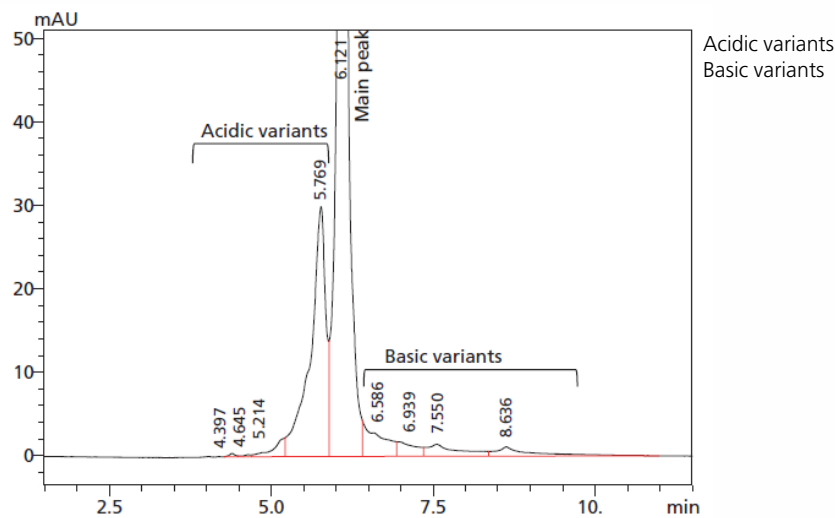
Ion-exchange

Shim-pack Series

**Shim-pack™ Bio IEX SP-NP**

**Charge Variant Analysis of mAb Biosimilar**

**Keywords: monoclonal antibody**



Column	: Shim-pack Bio IEX SP-NP (100 mm x 4.6 mm I.D., 3 μm), P/N : 227-31005-03
Mobile phase	: A) 10 mmol/L Sodium phosphate buffer (pH 6.0) B) 10 mmol/L Sodium bicarbonate buffer (pH 10.0)
Time program	: B conc. 35 % (0 min) → 55 % (2 min) → 100 % (12-16 min) → 35 % (16.1 – 20 min)
Flow rate	: 0.6 mL/min
Column temp.	: Ambient
Detection	: UV 280 nm
Injection vol.	: 5 μL

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