



HIC Columns for High Throughput Analyses

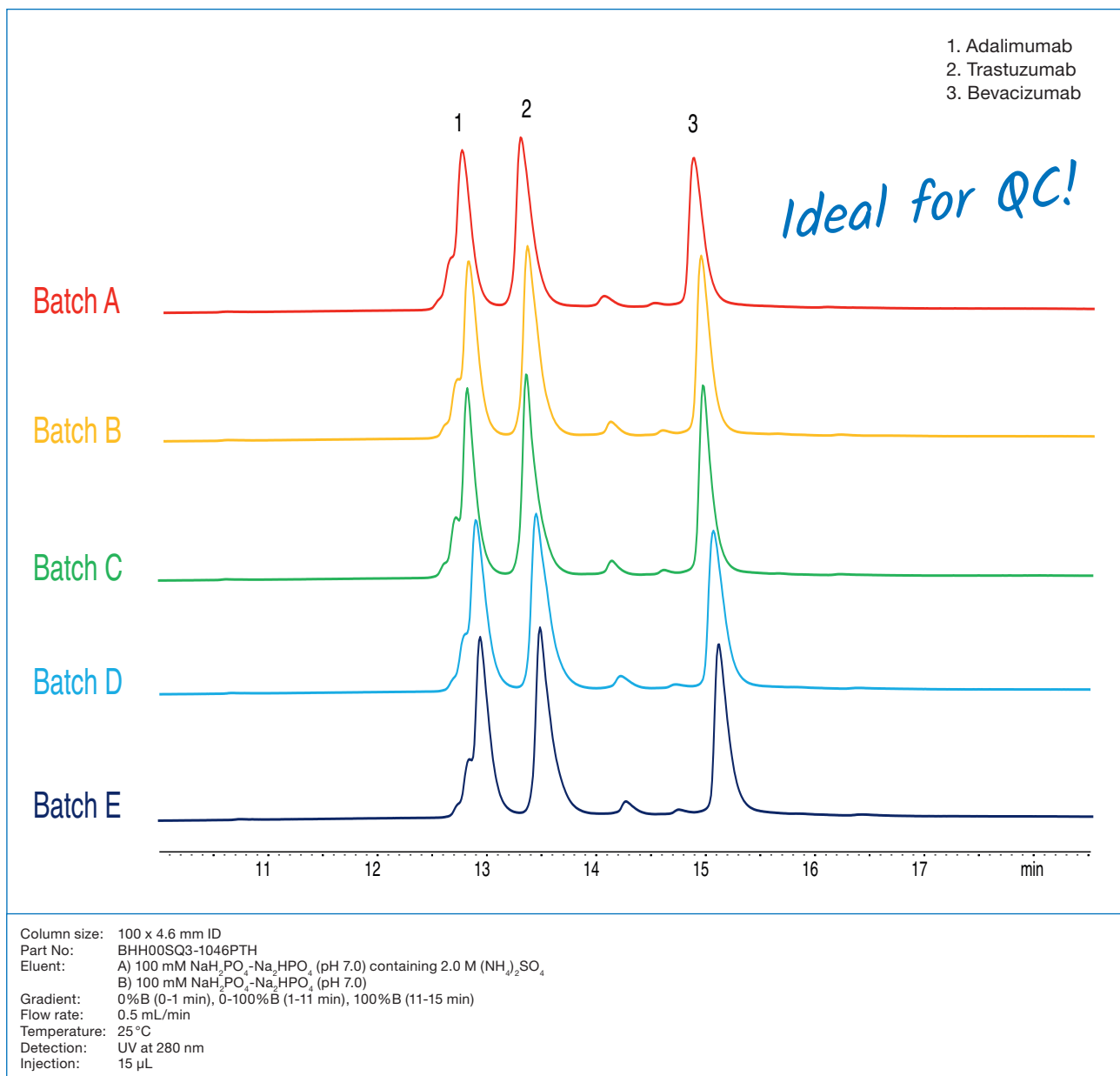
BioPro HIC HT

YMC
EUROPE GMBH
The Selectivity Company

Features

- *Ideal drug-to-antibody ratio (DAR) analysis due to novel surface chemistry*
- *High throughput by reducing analysis time*
- *Excellent batch-to-batch reproducibility*

Excellent batch-to-batch reproducibility



BioPro HIC HT exhibits an excellent batch-to-batch reproducibility making it the ideal choice for quality control analysis of biopharmaceuticals such as MAbs.



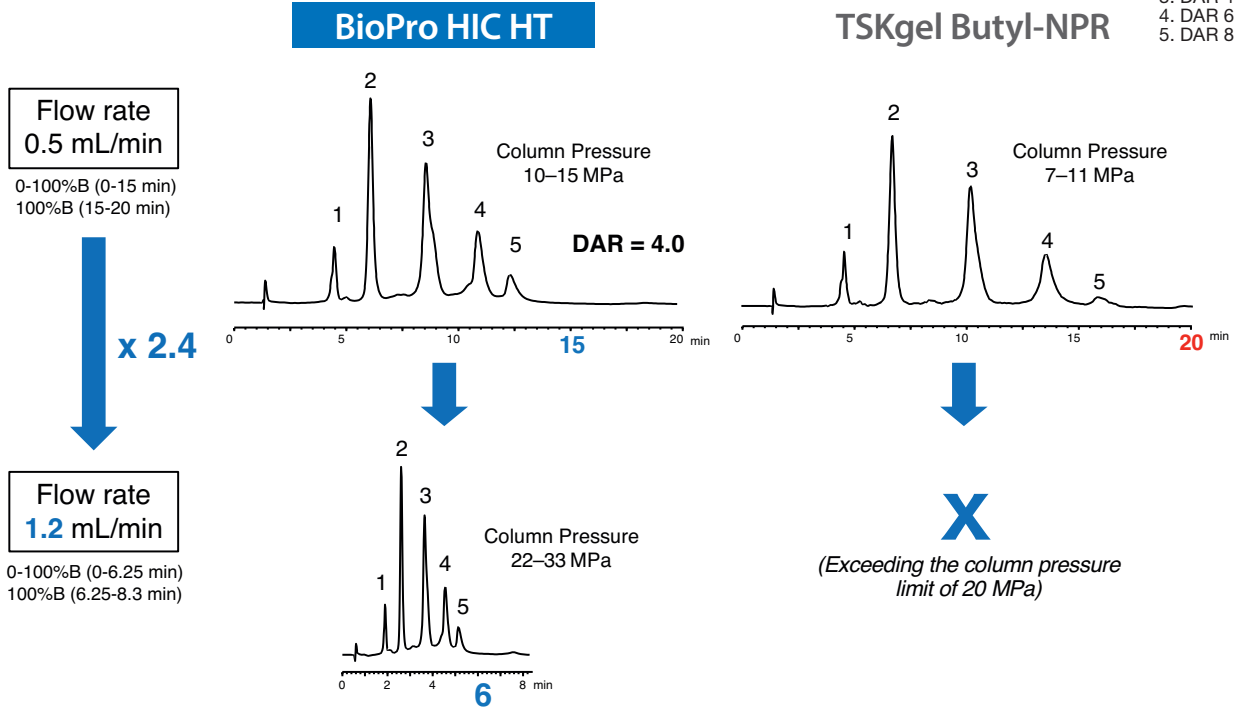
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Faster analyses

High throughput by shortening analysis time using high flow rates

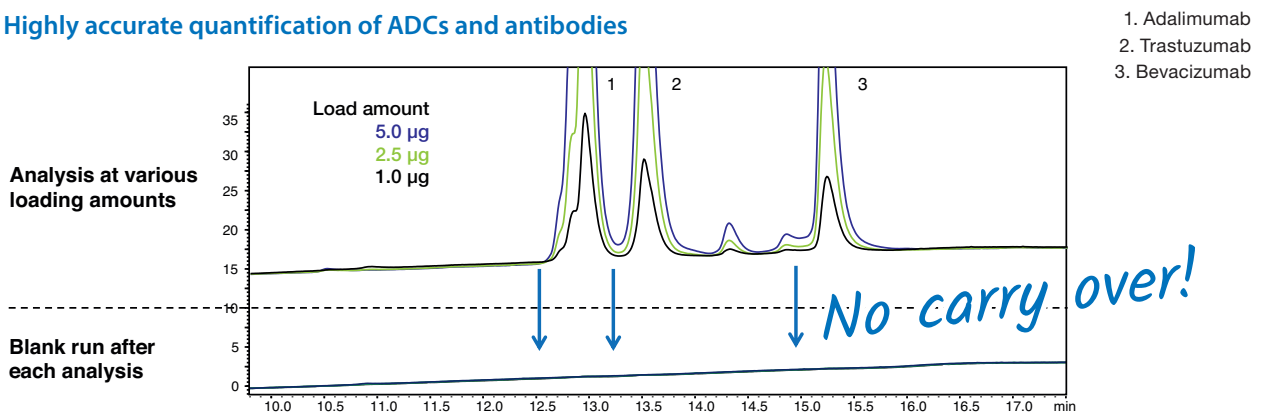


Column size: 100 x 4.6 mm ID
Part No: BHH00SQ3-1046PTH
Eluent: A) 20 mM NaH₂PO₄-Na₂HPO₄ (pH 7.0) containing 1.0 M (NH₄)₂SO₄
B) 20 mM NaH₂PO₄-Na₂HPO₄ (pH 7.0)/2-propanol (85/15)
Temperature: 25 °C
Detection: UV at 280 nm
Injection: 10 µL
Sample: Brentuximab vedotin (2.5 mg/mL)

BioPro HIC HT improves analysis throughput of ADCs by 2-3 times with an excellent Drug-to-Antibody Ratio (DAR). The rapid analysis is possible without loss of resolution. Competitor HIC columns fail under this conditions.

Excellent Recovery and Virtually No Carryover

Highly accurate quantification of ADCs and antibodies



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Part No: BHH00SQ3-1046PTH
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B) 100 mM NaH₂PO₄-Na₂HPO₄ (pH 7.0)
Gradient: 0%B (0-1 min), 0-100%B (1-11 min), 100%B (11-15 min)
Flow rate: 0.5 mL/min
Temperature: 25 °C
Detection: UV at 280 nm

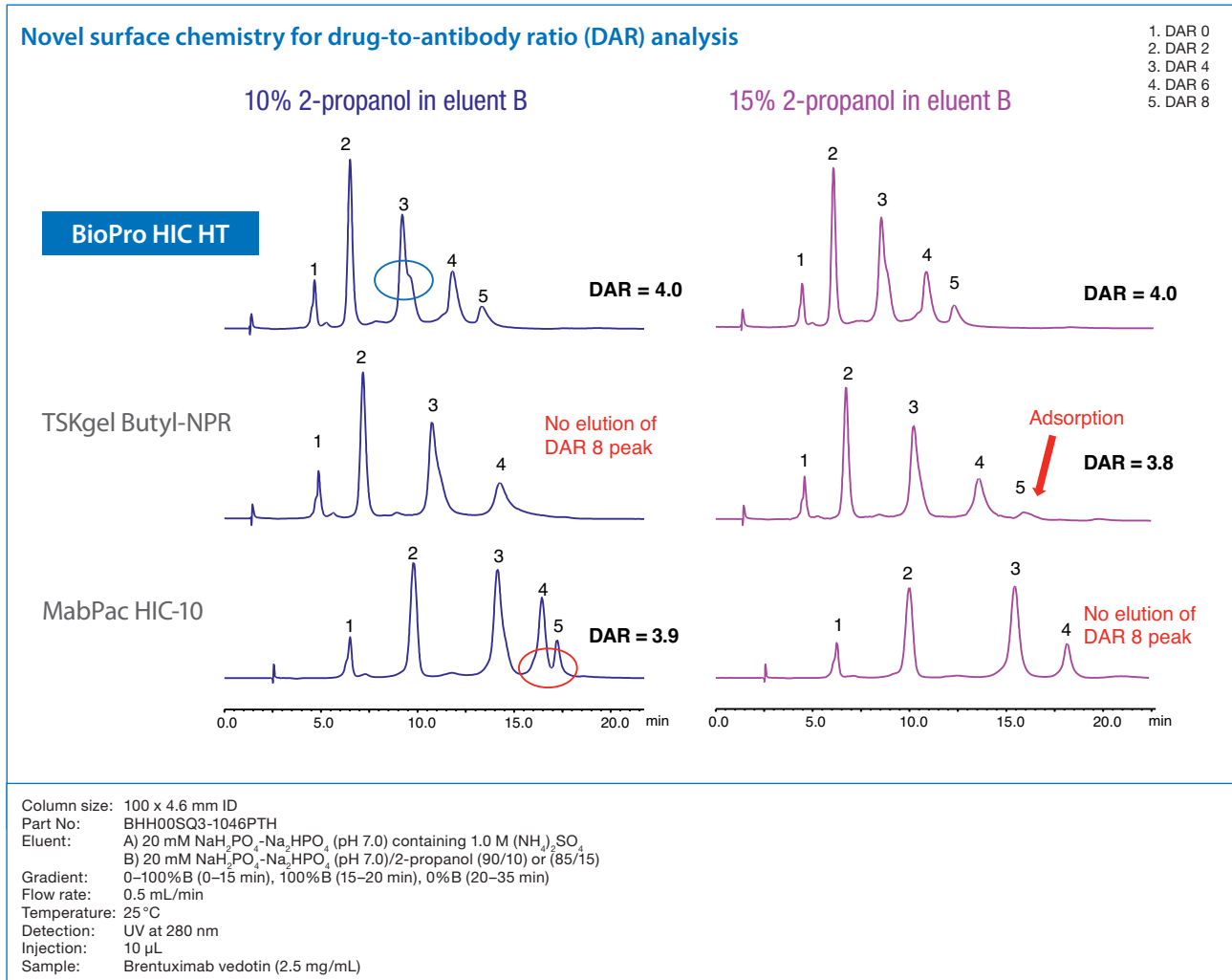


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Designed for Analysis of ADCs



BioPro HIC HT offers higher resolution than conventional HIC columns. Its surface modification suppresses excessive or too strong adsorption of ADCs and results in highly reliable quantification. With varying 2-propanol content, all peaks are completely eluted from the BioPro HIC HT column with high resolution. Another peak is partially separated from peak 3. Additionally, the same DAR values are observed at any content of 2-propanol.

BioPro HIC HT offers:

- Higher resolution than conventional HIC columns
- Highly reliable quantification
- Flexible method development

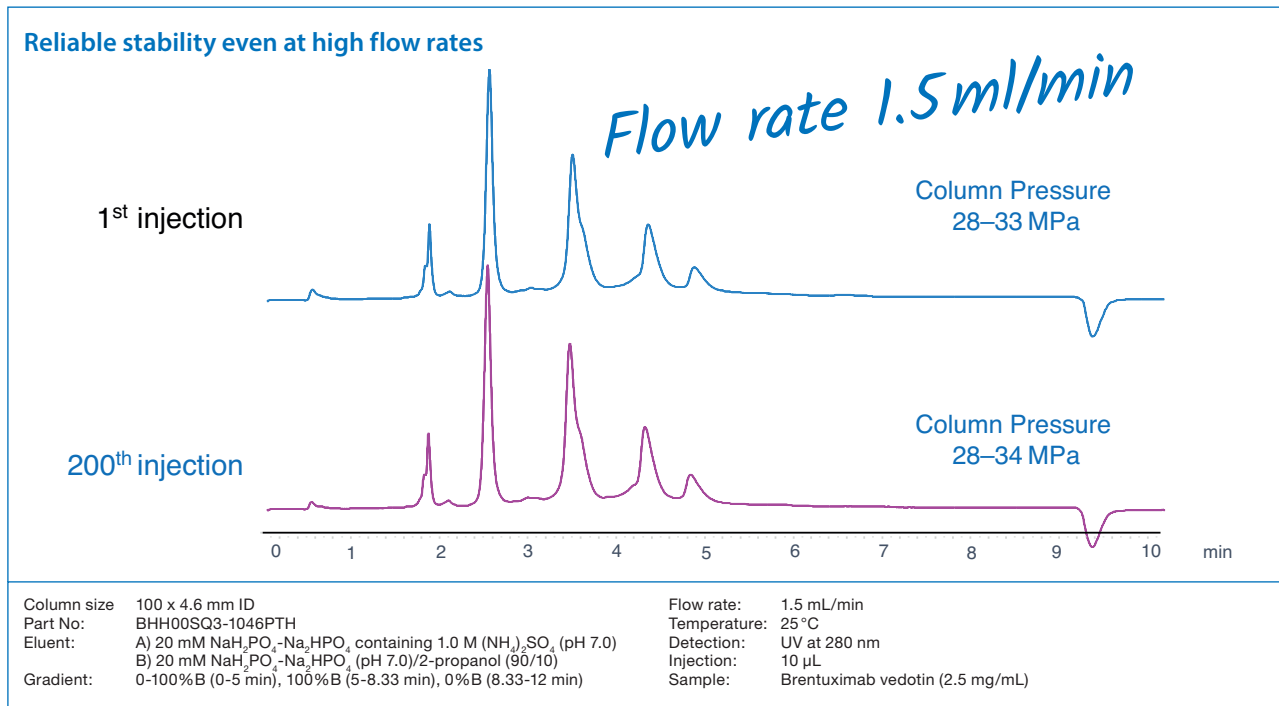


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Exceptional stability



BioPro HIC HT offers excellent stability under high flow rates / high pressure conditions due to its unique rigid particle and optimised column packing technology.

Specifications

Base particle	hydrophilic polymer (polymethacrylate)
Particle size	2.3 µm
Pore	non-porous
Functional group	butyl
pH range	2–12
Pressure limit	40 MPa / 400 bar
Temperature range	10–60 °C

Ordering Information

Phase	Particle size [µm]	Column ID [mm]	Column Length [mm]	Part number	Precolumn filter 2 µm (pack of 5)
BioPro HIC HT	2.3	4.6	100	BHH00SQ3-1046PTH	XRPRCS35

Holder required, part no. XRPRCS03

YMC CO., LTD.

YMC Karasuma-Gojo Bld. 284 Daigo-cho,
Karasuma Nishiiru Gojo-dori Shimogyo-ku,
Kyoto 600-8106 Japan
Phone +81(0)75-342-4515, FAX +81(0)75-342-4550
www.ymc.co.jp

YMC Europe GmbH

Schöttmannshof 19
D-46539 Dinstlaken
Germany
Phone +49(0)2064/427-0, FAX +49(0)2064/427-222
www.ymc.de

YMC Schweiz GmbH

Im Wasenboden 8
4056 Basel
Phone + 41 61 561 80 50, Fax + 41 61 561 80 59
www.ymc-schweiz.ch