

Screening Kit of Ion Exchange Resin for Bioseparation

BioPro Ion Exchange Screening Kit

BioPro Ion Exchange Screening Kit is a kit of screening columns that are packed with BioPro ion exchange resins designed for separation of Proteins, Nucleotides and other biomolecules. Various types of kit offer significant advantage and efficiency in resin screening and purification method development.

Features

- Available in four chemistries: Strong ion exchangers (Q/S) and weak ion exchangers (DA/CM)
- Two column types (1 mL and 5 mL) that are ideal for resin screening, development of purification method and loadability study
- Ion Exchange Selection Kit that consists of four different chemistries for fast and easy resin screening
- Easy installation and convenient use

Column Size

1 mL Type (26 X 7.0 mm I.D.)



- Resin screening
- Purification method development

5 mL Type (26 X 15.6 mm I.D.)



- Purification method development
- Loadability study
- Lab-scale purification

Resin Lineup

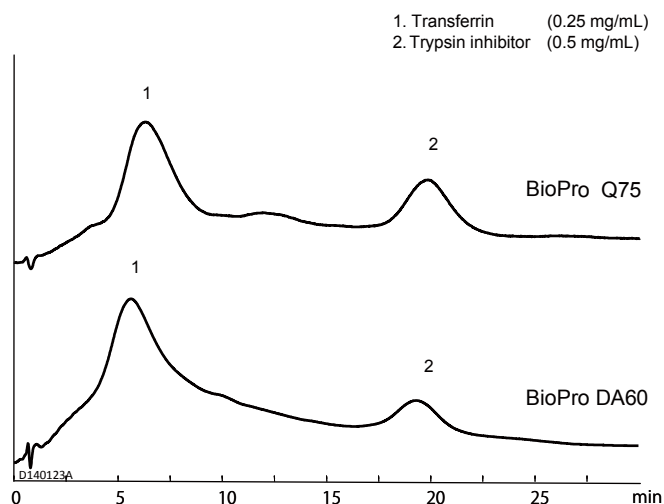
	Strong Anion Exchanger BioPro SmartSep Q	Strong Cation Exchanger BioPro SmartSep S
Matrix	Hydrophilic porous polymer	
Particle size (μm)	30	30
Ion exchanger	-R-N ⁺ (CH ₃) ₃	-R-SO ₃ ⁻
pH range	2~12	2~12



	Strong Anion Exchanger BioPro Q	Strong Cation Exchanger BioPro S	Weak Anion Exchanger BioPro DA	Weak Cation Exchanger BioPro CM
Matrix	Hydrophilic porous polymer			
Particle size (μm)	75	75	60	60
Ion exchanger	-R-N ⁺ (CH ₃) ₃	-R-SO ₃ ⁻	-R-N(CH ₃) ₂	-R-COOH
pH range	2~12	2~12	Regular use : 3~12 Short term : 1~13	Regular use : 3~12 Short term : 1~13

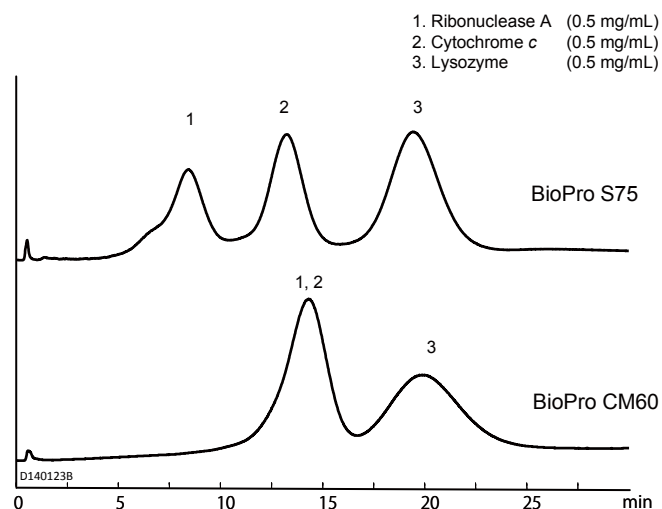
Application

Screening with anion exchange media



Column : 1 mL type (26 X 7.0 mm I.D.)
Eluent : A) 20 mM Tris-HCl (pH 8.1)
 B) 20 mM Tris-HCl (pH 8.1) containing 0.5 M NaCl
 10-80%B (0-30 min)
Flow rate : 1.16 mL/min
Temperature : 25°C
Detection : UV at 220 nm
Injection : 20 µL

Screening with cation exchange media



Column : 1 mL type (26 X 7.0 mm I.D.)
Eluent : A) 20 mM NaH₂PO₄-Na₂HPO₄ (pH 6.8)
 B) 20 mM NaH₂PO₄-Na₂HPO₄ (pH 6.8) containing 0.5 M NaCl
 0-100%B (0-30 min)
Flow rate : 1.16 mL/min
Temperature : 25°C
Detection : UV at 220 nm
Injection : 20 µL

Ordering Information

BioPro Ion Exchange Screening Kit

Product name	Particle size	Specification	Column volume	Product number
Ion Exchange Selection Kit (BioPro Q75/S75/DA60/CM60)	75 µm/ 60 µm	1 each X 4 types	1 mL	BPIESKS99-01PK
BioPro Q75	75 µm	5 / pack	1 mL	BPQAA0S75-01PK
		5 / pack	5 mL	BPQAA0S75-05PK
BioPro S75	75 µm	5 / pack	1 mL	BPSPA0S75-01PK
		5 / pack	5 mL	BPSPA0S75-05PK
BioPro DA60	60 µm	5 / pack	1 mL	BPDAM99S60-01PK
		5 / pack	5 mL	BPDAM99S60-05PK
BioPro CM60	60 µm	5 / pack	1 mL	BPCMM99S60-01PK
		5 / pack	5 mL	BPCMM99S60-05PK

BioPro SmartSep Ion Exchange Screening Kit



BioPro SmartSep Q30	30 µm	5 / pack	1 mL	BPQSA0S30-01PK
		5 / pack	5 mL	BPQSA0S30-05PK
BioPro SmartSep S30	30 µm	5 / pack	1 mL	BPSSA0S30-01PK
		5 / pack	5 mL	BPSSA0S30-05PK

※Please inquire us for a product other than listed above.

Worldwide Availability

YMC America, Inc.
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YMC Europe GmbH
www.ymc-europe.com

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