

GoBio prepacked columns

For convenience, reproducible and fast results Bio-Works' WorkBeads resins are available in several different prepacked formats. The GoBio prepacked chromatography columns provide linear scale-up from lab scale to process validation and further to commercial and GMP manufacturing.

- GoBio Mini 1 mL and 5 mL columns for small scale purifications and screening using packed bed
- GoBio Screen 7x100 (3.8 mL) for reproducible process development including fast and easy optimization of different methods and parameters
- GoBio Prep 16x100 (20 mL) and GoBio Prep 26x100 (53 mL) for lab-scale purifications and scaling up
- GoBio Prep 16x600 (120 mL) and GoBio Prep 26x600 (320 mL) for preparative lab-scale size exclusion purifications
- GoBio Prod columns specifically designed for purification of biological molecules in GMP production processes, such as vaccines, monoclonal antibodies, and recombinant proteins



GoBio Mini 1 mL GoBio Mini 5 mL

- Fast and easy small-scale purifications and screenings with packed bed
- Prepacked with most of Bio-Works' different resins
- For easy scale-up, up to five columns can be connected in series
- Use with a syringe, a pump on the bench or with a chromatography system



GoBio Screen 7x100

- GoBio Screen 7x100 (3.8 mL) for reproducible process development
- Small column volume enables small sample and buffer consumption
- Fast and easy optimization of methods and parameters
- Prepacked with most of Bio-Works' different resins



GoBio Prep 16x100 GoBio Prep 26x100

- GoBio Prep 16x100 (20 mL) and GoBio Prep 26x100 (53 mL) for preparative lab-scale purifications
- Quick, easy and reproducible lab scale up
- Prepacked with most of Bio-Works' different resins
- Available for fast desalting of samples up to 15 mL



GoBio Prep 16x600 GoBio Prep 26x600

- GoBio Prep 16x600 (120 mL) and GoBio Prep 26x600 (320 mL) for preparative lab-scale size exclusion chromatography
- Five different size exclusion resins available for optimal results
- Sample volumes from 0.6 mL – 12.8 mL
- Reproducible results without the need for column packing



GoBio Prod 80x200 GoBio Prod 130x200 GoBio Prod 200x200 GoBio Prod 240x200 GoBio Prod 330x250

Both non-cGMP and cGMP grade columns, 1L, 2.7 L, 6 L, 9 L and 21.4 L. cGMP grade columns are supplied with extended documentation under the following quality standards:

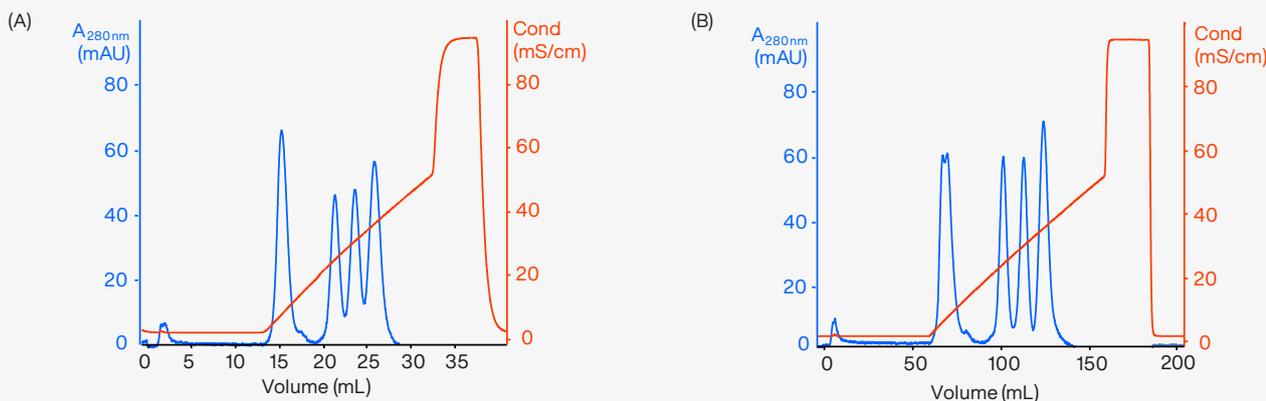
- ISO 9001 Quality Management System
- All materials in direct fluid contact path meet USP Class VI, and USP <88> requirements for In Vivo Biological Reactivity
- All columns are packed in a controlled non-classified clean room that meets ISO Class 7 non-viable particle (NVP) standards at rest
- All fluid contact components are free from materials of animal origin or compliant with EMEA



Applications

5-fold scaling up from GoBio Mini S 1 mL to GoBio Mini S 5 mL

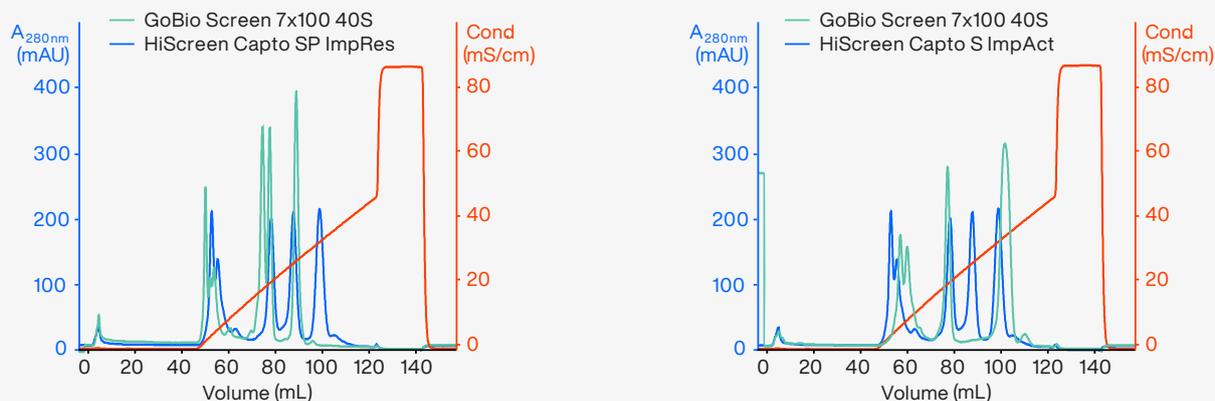
Columns: (A) GoBio Mini S 1 mL
(B) GoBio Mini S 5 mL
Binding buffer: 50 mM MES, pH 6.0
Elution buffer: 50 mM MES, 1 M NaCl, pH 6.0
Sample: 1.5 mg/mL concanavalin A,
1.5 mg/mL ribonuclease A,
0.5 mg/mL α -chymotrypsinogen A,
0.5 mg/mL lysozyme in binding buffer
Flow rate: 150 cm/h (1 mL/min GoBio Mini S 1 mL)
(3.5 mL/min GoBio Mini S 5 mL)
Sample volumes: 0.25 mL (GoBio Mini S 1 mL)
1.25 mL (GoBio Mini S 5 mL)
Linear gradient: 0–50% elution buffer in 20 column volumes (CV)



Separation using cation exchange chromatography. Peaks from left to right, concanavalin A, α -chymotrypsinogen A, ribonuclease A and lysozyme. (A) 0.25 mL sample applied onto GoBio Mini S 1 mL and (B) 1.25 mL sample applied onto GoBio Mini S 5 mL. The blue line corresponds to absorbance at 280 nm and the red line to conductivity.

Comparison of GoBio Screen 7x100 40S with HiScreen Capto SP ImpRes and HiScreen Capto S ImpAct

Columns:	GoBio Screen 7x100 40S (3.8 mL) HiScreen™ Capto™ SP ImpRes (7.7 × 100 mm, 4.7 mL) (Cytiva)	Columns:	GoBio Screen 7x100 40S HiScreen Capto S ImpAct (7.7 × 100 mm, 4.7 mL) (Cytiva)
Flow rate:	124 cm/h (0.96 mL/min)	Flow rate:	124 cm/h (0.96 mL/min)
Binding buffer:	50 mM MES, pH 6.0	Binding buffer:	50 mM MES, pH 6.0
Elution buffer:	50 mM MES, 1 M NaCl, pH 6.0	Elution buffer:	50 mM MES, 1 M NaCl, pH 6.0
Sample:	1.5 mg/mL concanavalin A, 1.5 mg/mL ribonuclease A, 0.5 mg/mL α -chymotrypsinogen A, 0.5 mg/mL lysozyme in binding buffer	Sample:	1.5 mg/mL concanavalin A, 1.5 mg/mL ribonuclease A, 0.5 mg/mL α -chymotrypsinogen A, 0.5 mg/mL lysozyme in binding buffer
Sample volume:	1 mL	Sample volume:	1 mL
Linear gradient:	0–50% elution buffer in 20 CV	Linear gradient:	0–50% elution buffer in 20 CV

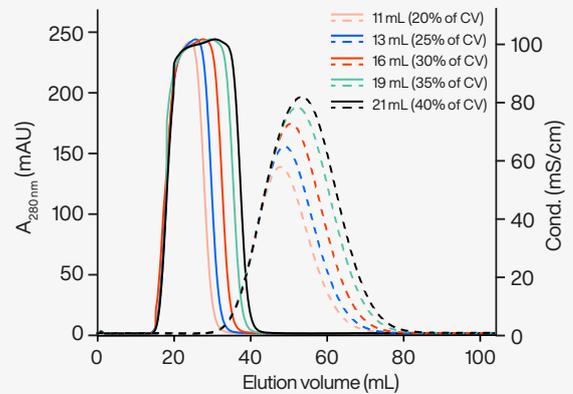


Separation of basic proteins using cation exchange chromatography. Peaks from left to right, concanavalin A, α -chymotrypsinogen A, ribonuclease A and lysozyme. (A) 1 mL sample applied onto GoBio Screen 7x100 40S and HiScreen Capto SP ImpRes. (B) 1 mL sample applied onto GoBio Screen 7x100 40S and HiScreen Capto S ImpAct. The blue and green traces correspond to absorbance at 280 nm and the red line to conductivity.

Dsalting - Influence of sample volume

It is easy to see that the sample volume is important for how efficient the desalting will be and therefore it is important to follow the recommendations of largest sample volumes for the most efficient desalting of the sample.

Column: GoBio Prep 26x100 Dsalt
 Buffer: 20 mM PBS, pH 7.4
 Sample: 2 mg/mL BSA in 20 mM PBS, 1 M NaCl, pH 7.4
 Sample load:
 11 mL (20% of CV)
 13 mL (25% of CV)
 16 mL (30% of CV)
 19 mL (35% of CV)
 21 mL (40% of CV)
 Flow rate: 300 cm/h (26 mL/min)

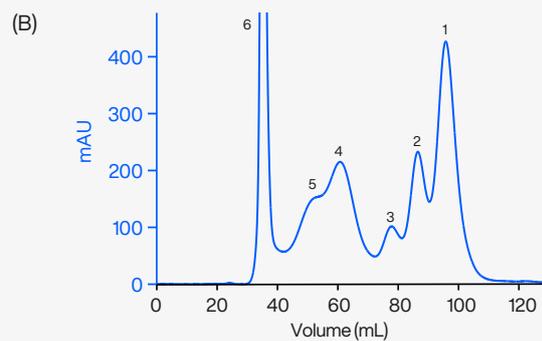
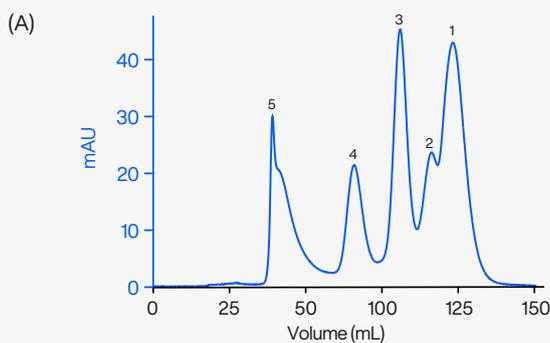


Desalting of 2 mg BSA/mL in 20 mM PBS, 1 M NaCl, pH 7.4 on GoBio Prep 26x100 Dsalt. Sample volume range of 20 – 40% of CV. The solid traces correspond to absorbance at 280 nm (protein) and the dashed traces to the conductivity (salt).

Separations on GoBio Prep 16x600 SEC prepacked columns

Column: GoBio Prep 16x600 40/100 SEC
 Sample:
 1. Cytochrome C, 2.5 mg/mL, M_r 12 000
 2. Ribonuclease A, 2.5 mg/mL, M_r 13 700
 3. Myoglobin, 2.5 mg/mL, M_r 17 200
 4. Ovalbumin, 3 mg/mL, M_r 43 000
 5. Thyroglobulin, 3 mg/mL, M_r 669 000
 Sample volume: 500 μ L
 Buffer: 20 mM phosphate buffer 0.15 M NaCl, pH 7.4 (PBS)
 Flow rate: 1 mL/min (30 cm/h)

Column: GoBio Prep 16x600 40/1000 SEC
 Sample:
 1. Cytochrome C, 5 mg/mL, M_r 12 000
 2. Myoglobin, 3 mg/mL, M_r 17 200
 3. Ovalbumin, 4 mg/mL, M_r 43 000
 4. Ferritin, 4 mg/mL, M_r 440 000
 5. Thyroglobulin, 5 mg/mL, M_r 669 000
 6. Aggregates
 Sample volume: 500 μ L
 Buffer: 20 mM phosphate buffer 0.15 M NaCl, pH 7.4 (PBS)
 Flow rate: 1 mL/min (30 cm/h)



Selectivity separations performed on GoBio Prep 16x600 40/100 SEC (A) and GoBio Prep 16x600 40/1000 SEC (B) utilizing proteins of known sizes.

Combinations of resins and column formats

Screening and laboratory scale purifications

	GoBio Mini 1 mL	GoBio Mini 5 mL	GoBio Screen 7x100	GoBio Prep 16x100	GoBio Prep 26x100	GoBio Prep 16x600	GoBio Prep 26x600
Affinity resins							
WorkBeads affimAb	●	●	●	●	●	na	na
WorkBeads Protein A	●	●	na	na	na	na	na
IMAC resins							
WorkBeads NiMAC	●	●	●	●	●	na	na
WorkBeads 40 NTA	●	●	●	●	●	na	na
WorkBeads 40 Ni-NTA	●	●	●	●	●	na	na
WorkBeads 40 Co-NTA	●	●	●	●	●	na	na
WorkBeads 40 Cu-NTA	●	●	●	●	●	na	na
WorkBeads 40 Zn-NTA	●	●	●	●	●	na	na
WorkBeads 40 IDA	●	●	●	●	●	na	na
WorkBeads 40 Ni-IDA	●	●	●	●	●	na	na
WorkBeads 40 Co-IDA	●	●	●	●	●	na	na
WorkBeads 40 Cu-IDA	●	●	●	●	●	na	na
WorkBeads 40 Zn-IDA	●	●	●	●	●	na	na
Ion exchange resins							
WorkBeads 40S	●	●	●	●	●	na	na
WorkBeads 100 S	●	●	●	●	●	na	na
WorkBeads 40Q	●	●	●	●	●	na	na
WorkBeads 100 Q	●	●	●	●	●	na	na
WorkBeads 40 DEAE	●	●	●	●	●	na	na
WorkBeads 40 TREN	●	●	●	●	●	na	na
Desalting resin							
WorkBeads Dsalt	●	●	●	●	●	na	na
Size exclusion resins							
WorkBeads 40/100 SEC	na	na	na	na	na	●	●
WorkBeads 40/1000 SEC	na	na	na	na	na	●	●
WorkBeads 40/10 000 SEC	na	na	na	na	na	●	●
WorkBeads Macro SEC	na	na	na	na	na	●	●
WorkBeads 200 SEC	na	na	na	na	na	●	●
Pre-activated resins							
WorkBeads 40/1000 ACT	●	●	na	na	na	na	na
WorkBeads 40/10 000 ACT	●	●	na	na	na	na	na

● = In stock

● = Packed on request.

na = Not available.

Production scale purifications

	GoBio Prep 80x200 1 L	GoBio Prep 130x200 2.7 L	GoBio Prep 200x200 6 L	GoBio Prep 240x200 9 L	GoBio Prep 330x250 21.4 L
Affinity resin					
WorkBeads affimAb	●	●	●	●	●
IMAC resins					
WorkBeads NiMAC	●	●	●	●	●
WorkBeads 40 NTA	●	●	●	●	●
WorkBeads 40 Ni-NTA	●	●	●	●	●
WorkBeads 40 Co-NTA	●	●	●	●	●
WorkBeads 40 Cu-NTA	●	●	●	●	●
WorkBeads 40 Zn-NTA	●	●	●	●	●
WorkBeads 40 IDA	●	●	●	●	●
WorkBeads 40 Ni-IDA	●	●	●	●	●
WorkBeads 40 Co-IDA	●	●	●	●	●
WorkBeads 40 Cu-IDA	●	●	●	●	●
WorkBeads 40 Zn-IDA	●	●	●	●	●
Ion exchange resins					
WorkBeads 40S	●	●	●	●	●
WorkBeads 100 S	●	●	●	●	●
WorkBeads 40Q	●	●	●	●	●
WorkBeads 100 Q	●	●	●	●	●
WorkBeads 40 DEAE	●	●	●	●	●
WorkBeads 40 TREN	●	●	●	●	●
Desalting resin					
WorkBeads Dsalt	●	●	●	●	●

● = Packed on request.



Technical specifications

GoBio Mini, GoBio Screen and GoBio Prep columns

	GoBio Mini 1 mL & 5 mL	GoBio Screen 7x100	GoBio Prep 16x100	GoBio Prep 26x100
Column hardware	Polypropylene	Acrylic	Acrylic	Acrylic
Top and bottom filters	Polyethylene	Polyamide	Polyamide	Polyamide
Top and bottom plugs	Polypropylene	Polypropylene	Polypropylene	Polypropylene
Connections	1/16" female (top) 1/16" male (bottom)	1/16" female (both ends)	1/16" female (both ends)	1/16" female (both ends)
Column volume	1 mL 5 mL	3.8 mL	20 mL	53 mL
Column dimension	7 × 28 mm (1 mL) 13 × 38 mm (5 mL)	7 × 100 mm	16 × 100 mm	26 × 100 mm
Maximal column hardware pressure ¹	0.3 MPa, 3 bar, 43 psi	0.5 MPa, 5 bar, 70 psi	0.5 MPa, 5 bar, 70 psi	0.5 MPa, 5 bar, 70 psi
Rec. flow rate ²	See specific instruction for the prepacked column of interest			
Max. flow rate ²	See specific instruction for the prepacked column of interest			
Chemical stability	1 M NaOH, 30% isopropanol, 70% ethanol	1 M NaOH, 20% isopropanol, 20% ethanol	1 M NaOH, 20% isopropanol, 20% ethanol	1 M NaOH, 20% isopropanol, 20% ethanol

¹ The maximum pressure the packed bed can withstand depends on the sample/liquid viscosity and chromatography resin characteristics. The pressure also depends on the tubing used to connect the column and the system restrictions after the column outlet.

² Specific product instructions are available at www.bio-works.com/documentation.

GoBio Prep columns for size exclusion chromatography

	GoBio Prep 16x600	GoBio Prep 26x600
Column hardware	Acrylic	Acrylic
Top and bottom filters	Polyamide	Polyamide
Top and bottom plugs	Polypropylene	Polypropylene
Connections	1/16" female (both ends)	1/16" female (both ends)
Column volumes	120 mL	320 mL
Column dimensions	16 × 600 mm	26 × 600 mm
Maximal column hardware pressure ¹	0.5 MPa, 5 bar, 70 psi	0.5 MPa, 5 bar, 70 psi
Rec. flow rate ²	See specific instruction for the prepacked column of interest	
Max. flow rate ²	See specific instruction for the prepacked column of interest	
Chemical stability	1 M NaOH, 20% isopropanol, 20% ethanol	1 M NaOH, 20% isopropanol, 20% ethanol

¹ The maximum pressure the packed bed can withstand depends on the sample/liquid viscosity and chromatography resin characteristics. The pressure also depends on the tubing used to connect the column and the system restrictions after the column outlet.

² Specific product instructions are available at www.bio-works.com/documentation.

GoBio Prod columns

	GoBio Prod 80x200, GoBio Prod 130x200, GoBio Prod 200x200, GoBio Prod 280x200 and GoBio Prod 330x250
Column hardware	Acrylic
Top and bottom filters	Polyamide
Top and bottom plugs	Polypropylene
Connections	TC-connections
Column volumes	1 L, 2.7 L, 6 L, 9 L, 21.4 L
Column dimensions	80 × 200 mm (1 L), 130 × 200 mm (2.7 L), 200 × 200 mm (6 L), 280 × 200 mm (9 L), 330 × 250 mm (21.4 L)
Rec. flow rate ²	See specific instruction for the prepacked column of interest
Max. flow rate ²	See specific instruction for the prepacked column of interest
Max. column hardware pressure ¹	0.5 MPa, 5 bar, 70 psi
Chemical stability	1 M NaOH, 20% isopropanol, 20% ethanol

¹ The maximum pressure the packed bed can withstand depends on the sample/liquid viscosity and chromatography resin characteristics. The pressure also depends on the tubing used to connect the column and the system restrictions after the column outlet.

² Specific product instructions are available at www.bio-works.com/documentation.

Ordering information

Affinity chromatography

Prepacked WorkBeads affimAb

Product name	Pack size	Article number
GoBio Mini affimAb 1 mL	1 mL × 5	45 800 101
	1 mL × 5	45 800 103
	1 mL × 10	45 800 104
GoBio Mini affimAb 5 mL	5 mL × 1	45 800 105
	5 mL × 5	45 800 107
	5 mL × 10	45 800 108
GoBio Screen 7x100 affimAb	3.8 mL × 1	55 800 001
GoBio Prep 16x100 affimAb	20 mL × 1	55 800 021
GoBio Prep 26x100 affimAb	53 mL × 1	55 800 031
GoBio Prod 80x200 affimAb	1 L × 1	55 800 042
GoBio Prod 130x200 affimAb	2.7 L × 1	55 800 062
GoBio Prod 200x200 affimAb	6 L × 1	55 800 072
GoBio Prod 280x200 affimAb	9 L × 1	55 800 082
GoBio Prod 330x200 affimAb	21.4 L × 1	55 800 093

Prepacked WorkBeads Protein A

Product name	Pack size	Article number
GoBio Mini A 1 mL	1 mL × 1	45 605 101
	1 mL × 5	45 605 103
	1 mL × 10	45 605 104
GoBio Mini A 5 mL	5 mL × 1	45 605 105
	5 mL × 5	45 605 107
	5 mL × 10	45 605 108

Immobilized Metal Affinity Chromatography

Prepacked WorkBeads NiMAC

Product name	Pack size	Article number
GoBio Mini NiMAC 1 mL	1 mL × 1	45 655 311
	1 mL × 5	45 655 313
	1 mL × 10	45 655 314
GoBio Mini NiMAC 5 mL	5 mL × 1	45 655 315
	5 mL × 5	45 655 317
	5 mL × 10	45 655 318
GoBio Screen 7x100 NiMAC	3.8 mL × 1	55 653 001
GoBio Prep 16x100 NiMAC	20 mL × 1	55 653 021
GoBio Prep 26x100 NiMAC	53 mL × 1	55 653 031
GoBio Prod 80x200 NiMAC	1 L × 1	55 653 042
GoBio Prod 130x200 NiMAC	2.7 L × 1	55 653 062
GoBio Prod 200x200 NiMAC	6 L × 1	55 653 072
GoBio Prod 240x200 NiMAC	9 L × 1	55 653 082
GoBio Prod 330x250 NiMAC	21.4 L × 1	55 653 093

Prepacked WorkBeads 40 Ni-NTA

Product name	Pack size	Article number
GoBio Mini Ni-NTA 1 mL	1 mL × 1	45 655 101
	1 mL × 5	45 655 103
	1 mL × 10	45 655 104
GoBio Mini Ni-NTA 5 mL	5 mL × 1	45 655 105
	5 mL × 5	45 655 107
	5 mL × 10	45 655 108
GoBio Screen 7x100 Ni-NTA	3.8 mL × 1	55 651 001
GoBio Prep 16x100 Ni-NTA	20 mL × 1	55 651 021
GoBio Prep 26x100 Ni-NTA	53 mL × 1	55 651 031
GoBio Prod 80x200 Ni-NTA	1 L × 1	55 651 042
GoBio Prod 130x200 Ni-NTA	2.7 L × 1	55 651 062
GoBio Prod 200x200 Ni-NTA	6 L × 1	55 651 072
GoBio Prod 240x200 Ni-NTA	9 L × 1	55 651 082
GoBio Prod 330x250 Ni-NTA	21.4 L × 1	55 651 093

Prepacked WorkBeads 40 Co-NTA

Product name	Pack size	Article number
GoBio Mini Co-NTA 1 mL	1 mL × 1	45 655 131
	1 mL × 5	45 655 133
	1 mL × 10	45 655 134
GoBio Mini Co-NTA 5 mL	5 mL × 1	45 655 135
	5 mL × 5	45 655 137
	5 mL × 10	45 655 138
GoBio Screen 7x100 Co-NTA	3.8 mL × 1	55 651 401
GoBio Prep 16x100 Co-NTA	20 mL × 1	55 651 421
GoBio Prep 26x100 Co-NTA	53 mL × 1	55 651 431
GoBio Prod 80x200 Co-NTA	1 L × 1	55 651 442
GoBio Prod 130x200 Co-NTA	2.7 L × 1	55 651 462
GoBio Prod 200x200 Co-NTA	6 L × 1	55 651 472
GoBio Prod 240x200 Co-NTA	9 L × 1	55 651 482
GoBio Prod 330x250 Co-NTA	21.4 L × 1	55 651 493

Prepacked WorkBeads 40 Cu-NTA

Product name	Pack size	Article number
GoBio Mini Cu-NTA 1 mL	1 mL × 1	45 655 121
	1 mL × 5	45 655 123
	1 mL × 10	45 655 124
GoBio Mini Cu-NTA 5 mL	5 mL × 1	45 655 125
	5 mL × 5	45 655 127
	5 mL × 10	45 655 128
GoBio Screen 7x100 Cu-NTA	3.8 mL × 1	55 651 301
GoBio Prep 16x100 Cu-NTA	20 mL × 1	55 651 321
GoBio Prep 26x100 Cu-NTA	53 mL × 1	55 651 331
GoBio Prod 80x200 Cu-NTA	1 L × 1	55 651 342
GoBio Prod 130x200 Cu-NTA	2.7 L × 1	55 651 362
GoBio Prod 200x200 Cu-NTA	6 L × 1	55 651 372
GoBio Prod 240x200 Cu-NTA	9 L × 1	55 651 382
GoBio Prod 330x250 Cu-NTA	21.4 L × 1	55 651 393

Prepacked WorkBeads 40 Zn-NTA

Product name	Pack size	Article number
GoBio Mini Zn-NTA 1 mL	1 mL × 1	45 655 141
	1 mL × 5	45 655 143
	1 mL × 10	45 655 144
GoBio Mini Zn-NTA 5 mL	5 mL × 1	45 655 145
	5 mL × 5	45 655 147
	5 mL × 10	45 655 148
GoBio Screen 7x100 Zn-NTA	3.8 mL × 1	55 651 501
GoBio Prep 16x100 Zn-NTA	20 mL × 1	55 651 521
GoBio Prep 26x100 Zn-NTA	53 mL × 1	55 651 531
GoBio Prod 80x200 Zn-NTA	1 L × 1	55 651 542
GoBio Prod 130x200 Zn-NTA	2.7 L × 1	55 651 562
GoBio Prod 200x200 Zn-NTA	6 L × 1	55 651 572
GoBio Prod 240x200 Zn-NTA	9 L × 1	55 651 582
GoBio Prod 330x250 Zn-NTA	21.4 L × 1	55 651 593

Prepacked WorkBeads NTA

Product name	Pack size	Article number
GoBio Mini NTA 1 mL	1 mL × 1	45 655 111
	1 mL × 5	45 655 113
	1 mL × 10	45 655 114
GoBio Mini NTA 5 mL	5 mL × 1	45 655 115
	5 mL × 5	45 655 117
	5 mL × 10	45 655 118
GoBio Screen 7x100 NTA	3.8 mL × 1	55 602 001
GoBio Prep 16x100 NTA	20 mL × 1	55 602 021
GoBio Prep 26x100 NTA	53 mL × 1	55 602 031
GoBio Prod 80x200 NTA	1 L × 1	55 602 042
GoBio Prod 130x200 NTA	2.7 L × 1	55 602 062
GoBio Prod 200x200 NTA	6 L × 1	55 602 072
GoBio Prod 240x200 NTA	9 L × 1	55 602 082
GoBio Prod 330x250 NTA	21.4 L × 1	55 602 093

Prepacked WorkBeads 40 Ni-IDA

Product name	Pack size	Article number
GoBio Mini Ni-IDA 1 mL	1 mL × 1	45 655 001
	1 mL × 5	45 655 003
	1 mL × 10	45 655 004
GoBio Mini Ni-IDA 5 mL	5 mL × 1	45 655 005
	5 mL × 5	45 655 007
	5 mL × 10	45 655 008
GoBio Screen 7x100 Ni-IDA	3.8 mL × 1	55 650 001
GoBio Prep 16x100 Ni-IDA	20 mL × 1	55 650 021
GoBio Prep 26x100 Ni-IDA	53 mL × 1	55 650 031
GoBio Prod 80x200 Ni-IDA	1 L × 1	55 650 042
GoBio Prod 130x200 Ni-IDA	2.7 L × 1	55 650 062
GoBio Prod 200x200 Ni-IDA	6 L × 1	55 650 072
GoBio Prod 240x200 Ni-IDA	9 L × 1	55 650 082
GoBio Prod 330x250 Ni-IDA	21.4 L × 1	55 650 093

Prepacked WorkBeads 40 Co-IDA

Product name	Pack size	Article number
GoBio Mini Co-IDA 1 mL	1 mL × 1	45 655 031
	1 mL × 5	45 655 033
	1 mL × 10	45 655 034
GoBio Mini Co-IDA 5 mL	5 mL × 1	45 655 035
	5 mL × 5	45 655 037
	5 mL × 10	45 655 038
GoBio Screen 7x100 Co-IDA	3.8 mL × 1	55 650 401
GoBio Prep 16x100 Co-IDA	20 mL × 1	55 650 421
GoBio Prep 26x100 Co-IDA	53 mL × 1	55 650 431
GoBio Prod 80x200 Co-IDA	1 L × 1	55 650 442
GoBio Prod 130x200 Co-IDA	2.7 L × 1	55 650 462
GoBio Prod 200x200 Co-IDA	6 L × 1	55 650 472
GoBio Prod 240x200 Co-IDA	9 L × 1	55 650 482
GoBio Prod 330x250 Co-IDA	21.4 L × 1	55 650 493

Prepacked WorkBeads 40 Cu-IDA

Product name	Pack size	Article number
GoBio Mini Cu-IDA 1 mL	1 mL × 1	45 655 021
	1 mL × 5	45 655 023
	1 mL × 10	45 655 024
GoBio Mini Cu-IDA 5 mL	5 mL × 1	45 655 025
	5 mL × 5	45 655 027
	5 mL × 10	45 655 028
GoBio Screen 7x100 Cu-IDA	3.8 mL × 1	55 650 301
GoBio Prep 16x100 Cu-IDA	20 mL × 1	55 650 321
GoBio Prep 26x100 Cu-IDA	53 mL × 1	55 650 331
GoBio Prod 80x200 Cu-IDA	1 L × 1	55 650 342
GoBio Prod 130x200 Cu-IDA	2.7 L × 1	55 650 362
GoBio Prod 200x200 Cu-IDA	6 L × 1	55 650 372
GoBio Prod 240x200 Cu-IDA	9 L × 1	55 650 382
GoBio Prod 330x250 Cu-IDA	21.4 L × 1	55 650 393

Prepacked WorkBeads 40 Zn-IDA

Product name	Pack size	Article number
GoBio Mini Zn-IDA 1 mL	1 mL × 1	45 655 041
	1 mL × 5	45 655 043
	1 mL × 10	45 655 044
GoBio Mini Zn-IDA 5 mL	5 mL × 1	45 655 045
	5 mL × 5	45 655 047
	5 mL × 10	45 655 048
GoBio Screen 7x100 Zn-IDA	3.8 mL × 1	55 650 501
GoBio Prep 16x100 Zn-IDA	20 mL × 1	55 650 521
GoBio Prep 26x100 Zn-IDA	53 mL × 1	55 650 531
GoBio Prod 80x200 Zn-IDA	1 L × 1	55 650 542
GoBio Prod 130x200 Zn-IDA	2.7 L × 1	55 650 562
GoBio Prod 200x200 Zn-IDA	6 L × 1	55 650 572
GoBio Prod 240x200 Zn-IDA	9 L × 1	55 650 582
GoBio Prod 330x250 Zn-IDA	21.4 L × 1	55 650 593

Prepacked WorkBeads IDA

Product name	Pack size	Article number
GoBio Mini IDA 1 mL	1 mL × 1	45 655 011
	1 mL × 5	45 655 013
	1 mL × 10	45 655 014
GoBio Mini IDA 5 mL	5 mL × 1	45 655 015
	5 mL × 5	45 655 017
	5 mL × 10	45 655 018
GoBio Screen 7x100 IDA	3.8 mL × 1	55 601 001
GoBio Prep 16x100 IDA	20 mL × 1	55 601 021
GoBio Prep 26x100 IDA	53 mL × 1	55 601 031
GoBio Prod 80x200 IDA	1 L × 1	55 601 042
GoBio Prod 130x200 IDA	2.7 L × 1	55 601 062
GoBio Prod 200x200 IDA	6 L × 1	55 601 072
GoBio Prod 240x200 IDA	9 L × 1	55 601 082
GoBio Prod 330x250 IDA	21.4 L × 1	55 601 093

Ion Exchange Chromatography – Cation Exchange**Prepacked WorkBeads 40S**

Product name	Pack size	Article number
GoBio Mini S 1 mL	1 mL × 1	45 200 101
	1 mL × 5	45 200 103
	1 mL × 10	45 200 104
GoBio Mini S 5 mL	5 mL × 1	45 200 105
	5 mL × 5	45 200 107
	5 mL × 10	45 200 108
GoBio Screen 7x100 40S	3.8 mL × 1	55 420 001
GoBio Prep 16x100 40S	20 mL × 1	55 420 021
GoBio Prep 26x100 40S	53 mL × 1	55 420 031
GoBio Prod 80x200 40S	1 L × 1	55 420 042
GoBio Prod 130x200 40S	2.7 L × 1	55 420 062
GoBio Prod 200x200 40S	6 L × 1	55 420 072
GoBio Prod 240x200 40S	9 L × 1	55 420 082
GoBio Prod 330x250 40S	21.4 L × 1	55 420 093

Prepacked WorkBeads 100S

Product name	Pack size	Article number
GoBio Screen 7x100 100S	3.8 mL × 1	55 120 001
GoBio Prep 16x100 100S	20 mL × 1	55 120 021
GoBio Prep 26x100 100S	53 mL × 1	55 120 031
GoBio Prod 80x200 100S	1 L × 1	55 120 042
GoBio Prod 130x200 100S	2.7 L × 1	55 120 062
GoBio Prod 200x200 100S	6 L × 1	55 120 072
GoBio Prod 240x200 100S	9 L × 1	55 120 082
GoBio Prod 330x250 100S	21.4 L × 1	55 120 093

Ion Exchange Chromatography - Anion Exchange

Prepacked WorkBeads 40Q

Product name	Pack size	Article number
GoBio Mini Q 1mL	1 mL × 1	45 100 101
	1 mL × 5	45 100 103
	1 mL × 10	45 100 104
GoBio Mini Q 5 mL	5 mL × 1	45 100 105
	5 mL × 5	45 100 107
	5 mL × 10	45 100 108
GoBio Screen 7x100 40Q	3.8 mL × 1	55 410 001
GoBio Prep 16x100 40Q	20 mL × 1	55 410 021
GoBio Prep 26x100 40Q	53 mL × 1	55 410 031
GoBio Prod 80x200 40Q	1 L × 1	55 410 042
GoBio Prod 130x200 40Q	2.7 L × 1	55 410 062
GoBio Prod 200x200 40Q	6 L × 1	55 410 072
GoBio Prod 240x200 40Q	9 L × 1	55 410 082
GoBio Prod 330x250 40Q	21.4 L × 1	55 410 093

Prepacked WorkBeads 100Q

Product name	Pack size	Article number
GoBio Screen 7x100 100Q	3.8 mL × 1	55 110 001
GoBio Prep 16x100 100Q	20 mL × 1	55 110 021
GoBio Prep 26x100 100Q	53 mL × 1	55 110 031
GoBio Prod 80x200 100Q	1 L × 1	55 110 042
GoBio Prod 130x200 100Q	2.7 L × 1	55 110 062
GoBio Prod 200x200 100Q	6 L × 1	55 110 072
GoBio Prod 240x200 100Q	9 L × 1	55 110 082
GoBio Prod 330x250 100Q	21.4 L × 1	55 110 093

Prepacked WorkBeads 40 DEAE

Product name	Pack size	Article number
GoBio Mini DEAE 1 mL	1 mL × 1	45 150 101
	1 mL × 5	45 150 103
	1 mL × 10	45 150 104
GoBio Mini DEAE 5 mL	5 mL × 1	45 150 105
	5 mL × 5	45 150 107
	5 mL × 10	45 150 108
GoBio Screen 7x100 40 DEAE	3.8 mL × 1	55 415 001
GoBio Prep 16x100 40 DEAE	20 mL × 1	55 415 021
GoBio Prep 26x100 40 DEAE	53 mL × 1	55 415 031
GoBio Prod 80x200 40 DEAE	1 L × 1	55 415 042
GoBio Prod 130x200 40 DEAE	2.7 L × 1	55 415 062
GoBio Prod 200x200 40 DEAE	6 L × 1	55 415 072
GoBio Prod 240x200 40 DEAE	9 L × 1	55 415 082
GoBio Prod 330x250 40 DEAE	21.4 L × 1	55 415 093

Prepacked WorkBeads 40 TREN

Product name	Pack size	Article number
GoBio Mini TREN 1 mL	1 mL × 1	45 655 211
	1 mL × 5	45 655 213
	1 mL × 10	45 655 214
GoBio Mini TREN 5 mL	5 mL × 1	45 655 215
	5 mL × 5	45 655 217
	5 mL × 10	45 655 218
GoBio Screen 7x100 40 TREN	3.8 mL × 1	55 463 001
GoBio Prep 16x100 40 TREN	20 mL × 1	55 463 021
GoBio Prep 26x100 40 TREN	53 mL × 1	55 463 031
GoBio Prod 80x200 40 TREN	1 L × 1	55 463 042
GoBio Prod 130x200 40 TREN	2.7 L × 1	55 463 062
GoBio Prod 200x200 40 TREN	6 L × 1	55 463 072
GoBio Prod 240x200 40 TREN	9 L × 1	55 463 082
GoBio Prod 330x250 40 TREN	21.4 L × 1	55 463 093

Size Exclusion Chromatography**Prepacked WorkBeads 40/100 SEC**

Product name	Pack size	Article number
GoBio Prep 16x600 40/100 SEC	120 mL × 1	55 434 026
GoBio Prep 26x600 40/100 SEC	320 mL × 1	55 434 036

Prepacked WorkBeads 40/1000 SEC

Product name	Pack size	Article number
GoBio Prep 16x600 40/1000 SEC	120 mL × 1	55 430 026
GoBio Prep 26x600 40/1000 SEC	320 mL × 1	55 430 036

Prepacked WorkBeads 40/10 000 SEC

Product name	Pack size	Article number
GoBio Prep 16x600 40/10 000 SEC	120 mL × 1	55 435 026
GoBio Prep 26x600 40/10 000 SEC	320 mL × 1	55 435 036

Prepacked WorkBeads Macro SEC

Product name	Pack size	Article number
GoBio Prep 16x600 Macro SEC	120 mL × 1	55 437 026
GoBio Prep 26x600 Macro SEC	320 mL × 1	55 437 036

Prepacked WorkBeads 200 SEC

Product name	Pack size	Article number
GoBio Prep 16x600 200 SEC	120 mL × 1	55 230 026
GoBio Prep 26x600 200 SEC	320 mL × 1	55 230 036

Desalting/Buffer exchange**Prepacked WorkBeads Dsalt**

Product name	Pack size	Article number
GoBio Mini Dsalt 1 mL	1 mL × 1	45 360 101
	1 mL × 5	45 360 103
	1 mL × 10	45 360 104
	1 mL × 100	45 360 110
GoBio Mini Dsalt 5 mL	5 mL × 1	45 360 105
	5 mL × 5	45 360 107
	5 mL × 10	45 360 108
	5 mL × 100	45 360 109
GoBio Prep 16x100 Dsalt	20 mL × 1	55 700 021
GoBio Prep 26x100 Dsalt	53 mL × 1	55 700 031
GoBio Prod 80x200 Dsalt	1 L × 1	55 700 042
GoBio Prod 130x200 Dsalt	2.7 L × 1	55 700 062
GoBio Prod 200x200 Dsalt	6 L × 1	55 700 072
GoBio Prod 240x200 Dsalt	9 L × 1	55 700 082
GoBio Prod 330x250 Dsalt	21.4 L × 1	55 700 093

Pre-activated resins**Prepacked WorkBeads 40/1000 ACT**

Product name	Pack size	Article number
GoBio Mini ACT 1 mL	1 mL × 1	45 400 001
	1 mL × 5	45 400 003
	1 mL × 10	45 400 004
GoBio Mini ACT 5 mL	5 mL × 1	45 400 005
	5 mL × 5	45 400 007
	5 mL × 10	45 400 008

**More information**

For more information see respective resin section. For further detailed information such as Data Sheets and Instructions, visit

→ bio-works.com/documentation