

Fact Sheet

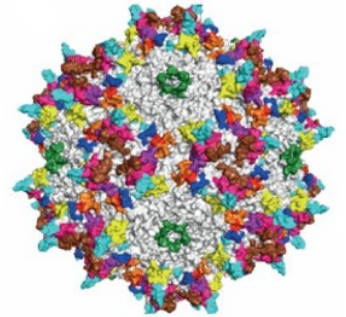
AAVX Lab Scale Purification Columns

(0.2ml to 100ml pre-packed AAVX HiFliQ columns)

Purification of Adeno-associated Viruses (AAV) for Gene Therapy Applications

What is it?

- Pre-packed lab scale AAVX columns
- Compatible with AKTA, Bio-Rad NGC, and other FPLC systems
- Ideal for the purification of all AAV serotypes (AAV1-AAV9)
- Applications – Preparative purifications, development and validation process
- Standard column hardware operating pressure is 3 – 5 bar

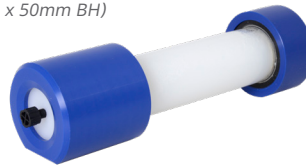


Why use it?

- Short lead times
- Available in a large range of column sizes
- Each column is tested for HETP, peak asymmetry, and flow properties (on request)
- Dimensions also available in GMP columns

Adeno Associated Virus (AAV)

50ml Column Volume
(26mm ID x 50mm BH)



2ml & 5ml Long Bed Column



1 ml
HiFliQ®



5 ml
HiFliQ®



Column / Resin Performance

Column Characteristic	Description
Resin Support Matrix	Cross-linked poly(styrene-divinylbenzene)
Resin Ligand	Single domain (VHH) antibody fragment
Binding Capacity	>1x10 ¹³ genome copies/mL of resin
Serotype Affinity	AAV1 through AAV9
Particle Size	50 µm

Internal Diameter (mm)	Typical Volume	Connection	Pressure Rating	Application
6 (Short Bed)	0.2ml	Compatible with all common chromatography systems such as AKTA, NGC, etc.	5 bar (70psi)	Preparative purifications, resin screening, process development and validation
7 (Short Bed)	1ml			
7 (Long Bed)	1ml to 4ml		Standard is 3-5 bar (42-70psi). Higher pressure is available on request	
11 (Long Bed)	5ml to 20ml			
16 (Short Bed)	5ml		Female-thread M6	
16 (Long Bed)	20ml to 40ml			
26 (Long Bed)	50ml to 100ml			
50 (Long Bed)	100ml			

Please contact us for lab scale columns above 100ml. Please contact us for different column dimensions. Please visit our [website](#) for more details.

Supporting Documentation:
SDS • CoA • IFU

The Innovation Centre
217 Portobello
Sheffield S1 4DP

 **BioServ**^{UK}
Antibodies to Scale

info@BioServUK.com
+44 (0)114 224 2235

 **calibre**
SCIENTIFIC

Fact Sheet

AAVX GMP Bioprocessing Columns

(Pre-packed Bioprocessing AAVX HiFLiQ Columns)

Purification of Adeno-associated Viruses (AAV) for Gene Therapy Applications

What is it?

- Pre-packed GMP Bioprocessing AAVX columns
- Ideal for the purification of all AAV serotypes (AAV1-AAV9)
- Applications – Process development and cGMP production
- Standard column hardware operating pressure is 3 – 5 bar

Why use it?

Quality Standards - ISO 9001 QMS

- All materials in direct fluid contact 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 and/or compliant with EMEA 410/01

QC Lot Release Testing

Columns are tested according to customer requirements and specifications

- Theoretical plate numbers (HETP)
- Peak asymmetry
- Flow / pressure measurement (if required)
- Endotoxin level (<0.25 EU / ml)
- Bioburden (<10 CFU / 100ml)



1.5L Column Volume (100mm ID x 200mm BH)

Internal Diameter (mm)	Typical Volume	Connection	Pressure Rating	Application
26 (Long Bed)	50 to 100ml	3/4" Tri-Clamp	Standard is 3 bar (42psi). Higher pressure is available on request	Process development, cGMP production
50 (Long Bed)	100ml to 400ml			
80	0.5L to 1L			
100	0.8L to 1.6L			
129	1L to 2.5L			
258	5L to 10L	Tri-Clamp		
330 & above	>10L			

Please contact us for GMP Bioprocessing columns above 1.5L.

Supporting Documentation:
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The Innovation Centre
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Sheffield S1 4DP



info@BioServUK.com
+44 (0)114 224 2235



ORDERING INFORMATION

Lab Scale Super AAV HiFliQ Columns

Product Code	Name	Description	Pack Size
HiFliQ0.2-AAVX-1	0.2mL AAVX 6x7 HiFliQ Column	0.2ml AAVX HiFliQ column: 6mm ID x 7mm BH (1 x 0.2ml)	1
HiFliQ0.2-AAVX-5	0.2mL AAVX 6x7 HiFliQ Column 5 Pack	0.2ml AAVX HiFliQ column: 6mm ID x 7mm BH (5 x 0.2ml)	5
HiFliQ1-AAVX-1-SB	1mL AAVX 7x25 HiFliQ Column	1ml AAVX HiFliQ column, short bed height 7mm ID x 25mm BH (1 x 1ml)	1
HiFliQ1-AAVX-5-SB	1mL AAVX 7x25 HiFliQ Column 5 Pack	1ml AAVX HiFliQ column, short bed height 7mm ID x 25mm BH (5 x 1ml)	5
HiFliQ2-AAVX-1-LB	2mL AAVX 7x50 HiFliQ Column	2ml AAVX HiFliQ column, long bed height 7mm ID x 50mm BH (1 x 2ml)	1
HiFliQ2-AAVX-5-LB	2mL AAVX 7x50 HiFliQ Column 5 Pack	2ml AAVX HiFliQ column, long bed height 7mm ID x 50mm BH (5 x 2ml)	5
HiFliQ5-AAVX-1-SB	5mL AAVX 16x25 HiFliQ Column	5ml AAVX HiFliQ column, short bed height 16mm ID x 25mm BH (1 x 5ml)	1
HiFliQ5-AAVX-5-SB	5mL AAVX 16x25 HiFliQ Column 5 Pack	5ml AAVX HiFliQ column, short bed height 16mm ID x 25mm BH (5 x 5ml)	5
HiFliQ5-AAVX-1-LB	5mL AAVX 11x50 HiFliQ Column	5ml AAVX HiFliQ column, long bed height 11mm ID x 50mm BH (1 x 5ml)	1
HiFliQ5-AAVX-5-LB	5mL AAVX 11x50 HiFliQ Column 5 Pack	5ml AAVX HiFliQ column, long bed height 11mm ID x 50mm BH (5 x 5ml)	5
HiFliQ10-AAVX-1-LB	10mL AAVX 16x50 HiFliQ Column	10ml AAVX HiFliQ column, long bed height 16mm ID x 50mm BH (1 x 10ml)	1
HiFliQ10-AAVX-5-LB	10mL AAVX 16x50 HiFliQ Column 5 Pack	10ml AAVX HiFliQ column, long bed height 16mm ID x 50mm BH (5 x 10ml)	5
HiFliQ25-AAVX-1-LB	25mL AAVX 26x50 HiFliQ Column	25ml AAVX HiFliQ column, long bed height 26mm ID x 50mm BH (1 x 25ml)	1
HiFliQ25-AAVX-5-LB	25mL AAVX 26x50 HiFliQ Column 5 Pack	25ml AAVX HiFliQ column, long bed height 26mm ID x 50mm BH (5 x 25ml)	5
HiFliQ50-AAVX-1-LB	50mL AAVX 26x100 HiFliQ Column	50ml AAVX HiFliQ column, long bed height 26mm ID x 100mm BH (1 x 50ml)	1
HiFliQ50-AAVX-5-LB	50mL AAVX 26x100 HiFliQ Column 5 Pack	50ml AAVX HiFliQ column, long bed height 26mm ID x 100mm BH (5 x 50ml)	5
HiFliQ100-AAVX-1-LB	100mL AAVX 50x50 HiFliQ Column	100ml AAVX HiFliQ column, long bed height 50mm ID x 50mm BH (1 x 100ml)	1
HiFliQ100-AAVX-5-LB	100mL AAVX 50x50 HiFliQ Column 5 Pack	100ml AAVX HiFliQ column, long bed height 50mm ID x 50mm BH (5 x 100ml)	5

GMP Super AAV HiFliQ Columns

Product Code	Name	Description	Pack Size
HiFliQ50-AAVX-GMP	50mL AAVX 26x100 GMP HiFliQ Column	50ml AAVX GMP HiFliQ Column: 26mm ID x 100mm BH	1
HiFliQ100-AAVX-GMP	100mL AAVX 50x50 GMP HiFliQ Column	100ml AAVX GMP HiFliQ Column: 50mm ID x 50mm BH	1
HiFliQ200-AAVX-GMP	200mL AAVX 50x100 GMP HiFliQ Column	200ml AAVX GMP HiFliQ Column: 50mm ID x 100mm BH	1
HiFliQ400-AAVX-GMP	400mL AAVX 50x200 GMP HiFliQ Column	400ml AAVX GMP HiFliQ Column: 50mm ID x 200mm BH	1
HiFliQ500-AAVX-GMP	500mL AAVX 80x100 GMP HiFliQ Column	500ml AAVX GMP HiFliQ Column: 80mm ID x 100mm BH	1
HiFliQ780-AAVX-GMP	780mL AAVX 100x100 GMP HiFliQ Column	780ml AAVX GMP HiFliQ Column: 100mm ID x 100mm BH	1
HiFliQ1000-AAVX-GMP	1L AAVX 80x200 GMP HiFliQ Column	1L AAVX GMP HiFliQ Column: 80mm ID x 200mm BH	1
HiFliQ1300-AAVX-GMP	1.3L AAVX 130x100 GMP HiFliQ Column	1.3L AAVX GMP HiFliQ Column: 130mm ID x 100mm BH	1
HiFliQ1500-AAVX-GMP	1.5L AAVX 100x200 GMP HiFliQ Column	1.5L AAVX GMP HiFliQ Column: 100mm ID x 200mm BH	1

Super AAV Bulk Resin

Product Code	Name	Description	Pack Size
Super-AAV5	5mL Super AAV Resin	5mL Super AAV Resin only	1
Super-AAV20	20mL Super AAV Resin	20mL Super AAV Resin only	1