

CIM[®] Ray QA

Sterilized, Single-Use Columns with Aseptic Connector

Product Information

CIM[®] Ray QA columns are strong anion exchange (AEX) sterile, single-use preparative columns designed for efficient bioprocessing of large biomolecules. Each column is sterilized through gamma irradiation, ensuring high sterility and minimizing contamination risk. The single-use design eliminates the need for cleaning, saving time and resources. Aseptic connectors provide secure, contamination-free connections. These columns provide high-quality performance at a more affordable price compared to CIMmultus. Compliant with cGMP standards, they meet strict quality and regulatory requirements, making them ideal for reliable and efficient bioprocessing.

Features and Benefits

- Strong anion exchanger
- Gamma irradiated
- Single-use design
- No pre-cleaning needed
- Different types of aseptic connectors
- cGMP compliant
- Ideal for efficient bioprocessing and personalized medicine
- Time-saving and cost-effective
- Volumes: 8 mL, 80 mL, 800 mL



Introduction

Relevant Applications

- Biopharmaceutical Production
- Biotechnology Applications
- Personalized Medicine

Relevant Process Steps

- Product isolation
- Purification
- Concentration

CIM Ray Columns: Sterile Solutions

CIM Ray columns are a ready-to-use chromatographic solution designed for direct implementation in sterile processes, expanding the portfolio of sterilized products. They retain the core attributes of CIM products, such as speed, resolution, and capacity, while being tailored for use in sterile environments.

Table: CIM sterile solutions

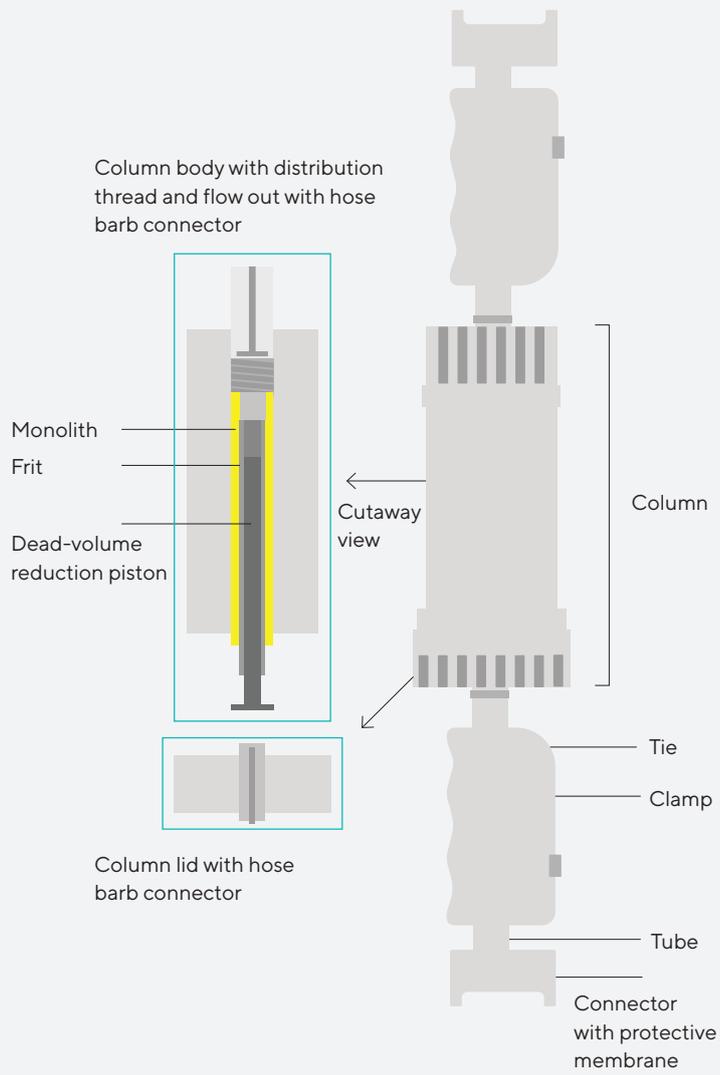


	CIM® Ray	CIM® Tube	CIMmultus®
Housing material	Polybutylene terephthalate	Stainless steel	Epoxy thermoset materials, reinforced with carbon fibers
Pre-sterilized	■	■	
Mode of sterilization	Gamma irradiation	Avtoclaving	Chemical sanitization
Use	Single use	Multi use	Multi use

Technical Specifications

	CIM Ray QA 8 mL	CIM Ray QA 80 mL	CIM Ray QA 800 mL
Monolith Dimensions	Outer diameter: 18.6 mm; inner diameter: 6.7 mm; length: 32.6 mm; bed volume (CV): 8 mL	Outer diameter: 34 mm; inner diameter: 15 mm; length: 110 mm; bed volume (CV): 80 mL	Outer diameter: 105 mm; inner diameter: 65 mm; length: 150 mm; bed volume (CV): 800 mL
Aseptic Adapters	MicroCNX AseptiQuik® S	AseptiQuik® S AseptiQuik® G Opta® SFT	AseptiQuik® S AseptiQuik® G Opta® SFT
Operating Flow Rates	Up to 12.5 CV/min 100 mL/min 335 cm/h. Do not go below 0.1 CV/min	Up to 5 CV/min 400 mL/min 300 cm/h. Do not go below 0.1 CV/min	Up to 2 CV/min 1600 mL/min 245 cm/h. Do not go below 0.1 CV/min
Max Pressure	0.4 MPa, 4 bar, 58 PSI	0.4 MPa, 4 bar, 58 PSI	0.4 MPa, 4 bar, 58 PSI
Operating Temperature	4 °C (39 °F) to 40 °C (104 °F)	4 °C (39 °F) TO 40 °C (104 °F)	4 °C (39 °F) to 40 °C (104 °F)
Recommended pH Working Range	Working range 1-9, cleaning in place 1-13.7	Working range 1-9, cleaning in place 1-13.7	Working range 1-9, cleaning in place 1-13.7
Storage solution	20% EtOH+5mM fosfat pH=6.5	20% EtOH+5mM fosfat pH=6.5	20% EtOH+5mM fosfat pH=6.5

Figure: CIM Ray profile section



Ordering Information

Item	Description	Ordering Number
CIM Ray QA 8 mL	CIM® Ray QA 8 mL cGMP Compliant Monolithic Sterilized Column (Quaternary Amine) (2 µm channels) with Micro® CNX connectors	BIA-902.5313-2-C
	CIM® Ray QA 8 mL cGMP Compliant Monolithic Sterilized Column (Quaternary Amine) (2 µm channels) with AseptiQuik® S connectors	BIA-902.5313-2-S
CIM Ray QA 80 mL	CIM® Ray QA 80 mL cGMP Compliant Monolithic Sterilized Column (Quaternary Amine) (2 µm channels) with AseptiQuik S connectors	BIA-912.5313-2-S
	CIM® Ray QA 80 mL cGMP Compliant Monolithic Sterilized Column (Quaternary Amine) (2 µm channels) with AseptiQuik® G connectors	BIA-912.5313-2-G
	CIM® Ray QA 80 mL cGMP Compliant Monolithic Sterilized Column (Quaternary Amine) (2 µm channels) with Opta® SFT connectors	BIA-912.5313-2-O
CIM Ray QA 800 mL	CIM® Ray QA 800 mL cGMP Compliant Monolithic Sterilized Column (Quaternary Amine) (2 µm channels) with AseptiQuik® S connectors	BIA-922.5313-2-S
	CIM® Ray QA 800 mL cGMP Compliant Monolithic Sterilized Column (Quaternary Amine) (2 µm channels) with AseptiQuik® G connectors	BIA-922.5313-2-G
	CIM® Ray QA 800 mL cGMP Compliant Monolithic Sterilized Column (Quaternary Amine) (2 µm channels) with Opta® SFT connectors	BIA-922.5313-2-O

 **Learn about CIM® Ray Sterilized Columns**
www.biaseparations.com/consumables/purification/cim-ray-sterilized-columns/

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