

TECHNICAL DATA SHEET

Product: G-Rex®100-Series Gas Permeable Cell Culture Products

REF (Catalog Numbers):

Usage	G-Rex®100	G-Rex®100M	G-Rex®100M-CS
GMP Sterile Fluid Path	80500	81100	81100-CS
RUO Gamma Irradiated	<i>Not Available</i>	RU81100	RU81100-CS

1) Description

The G-Rex®100 series products are single-use cell culture bioreactors designed for the expansion and recovery of mammalian cells.



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2) Key Characteristics & Dimensions

Specification	G-Rex100	G-Rex100M	G-Rex100M-CS
Functional Use	Open System		Closed System
Cell Growth Area (membrane)	100 cm ²		
Nominal Working Volume	450 mL	1,000 mL	
Maximum Fluid Volume	500 mL	1,100 mL	
Approximate Dry Weight	0.39 lbs. (178 grams)	0.48 lbs. (216 grams)	0.63 lbs. (286 grams)
Estimated Filled Weight @ Nominal Working Volume	1.38 lbs. (628 grams)	2.68 lbs. (1,216 grams)	2.84 lbs. (1,286 grams)
Maximum Product Height	4.28 inch (10.9 cm)	6.59 inch (16.7 cm)	7.51 inch (18.2 cm)
Maximum Product Diameter	5.26 inch (13.4 cm)	5.26 inch (13.4 cm)	5.26 inch (13.4 cm)
Sample Tubing Line Connection	N/A (open system)	N/A (open system)	<ul style="list-style-type: none"> ▪ MicroClave® Connector ▪ Total Sample Line Residual Volume (~1.5 mL)
Reduction Tubing Line Connection Options	N/A (open system)	N/A (open system)	<ul style="list-style-type: none"> ▪ Female MPC ▪ Female Luer Lock ▪ Weldable PVC Tubing (0.114" ID / 0.160" OD) ▪ Weldable Tubing Length (30"/ 76.2 cm)
Harvest Tubing Line Connection Options	N/A (open system)	N/A (open system)	<ul style="list-style-type: none"> ▪ Male Luer Lock

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			<ul style="list-style-type: none"> ▪ Weldable PVC Tubing (0.114" ID / 0.160" OD) ▪ Weldable Tubing Length (30"/ 76.2 cm)
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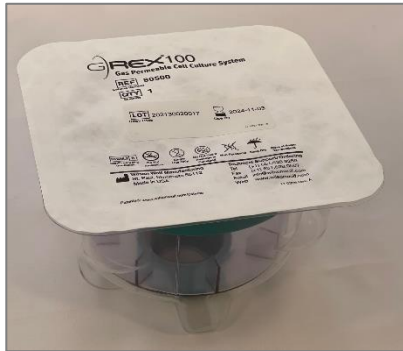
3) Packaging

Feature	G-Rex100	G-Rex100M	G-Rex100M-CS
Packaging Materials	PETG Tray & Retainer, Tyvek® Lid	PETG Tray & Retainer, Tyvek® Lid	PETG Tray & Retainer, Tyvek® Lid
Devices per Package	1		
Minimum Shipping Quantity	3-pack (Case)		
Case Dimensions (Length x Width x Height)	L 18.0 in (45.7 cm) W 7.0 in (17.8 cm) H 4.63 in (11.8 cm)	L 19.75 in (50.2 cm) W 9.38 in (23.8 cm) H 5.88 in (14.9 cm)	L 20.5 in (52.1 cm) W 10.63 in (27.0 cm) H 5.88 in (14.9 cm)
Case Weight	1.98 lbs. (0.90 kg)	2.98 lbs. (1.35 kg)	3.62 lbs. (1.64 kg)
Shelf Life	3-years		
Recommended Storage Conditions	Ambient (64 - 82°F (18 to 28°C), No Humidity Controls)		

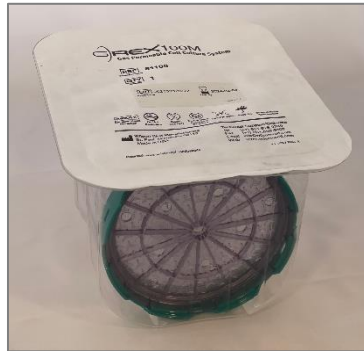
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4) Packaging Images

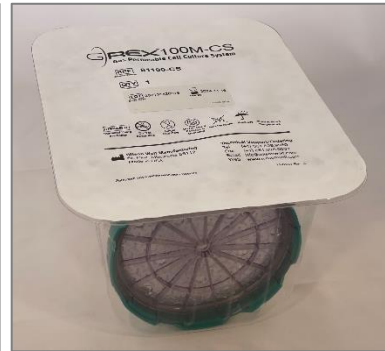
Individual Packaging



G-Rex100



G-Rex100M



G-Rex100M-CS

3-Pack Cases



G-Rex100



G-Rex100M



G-Rex100M-CS

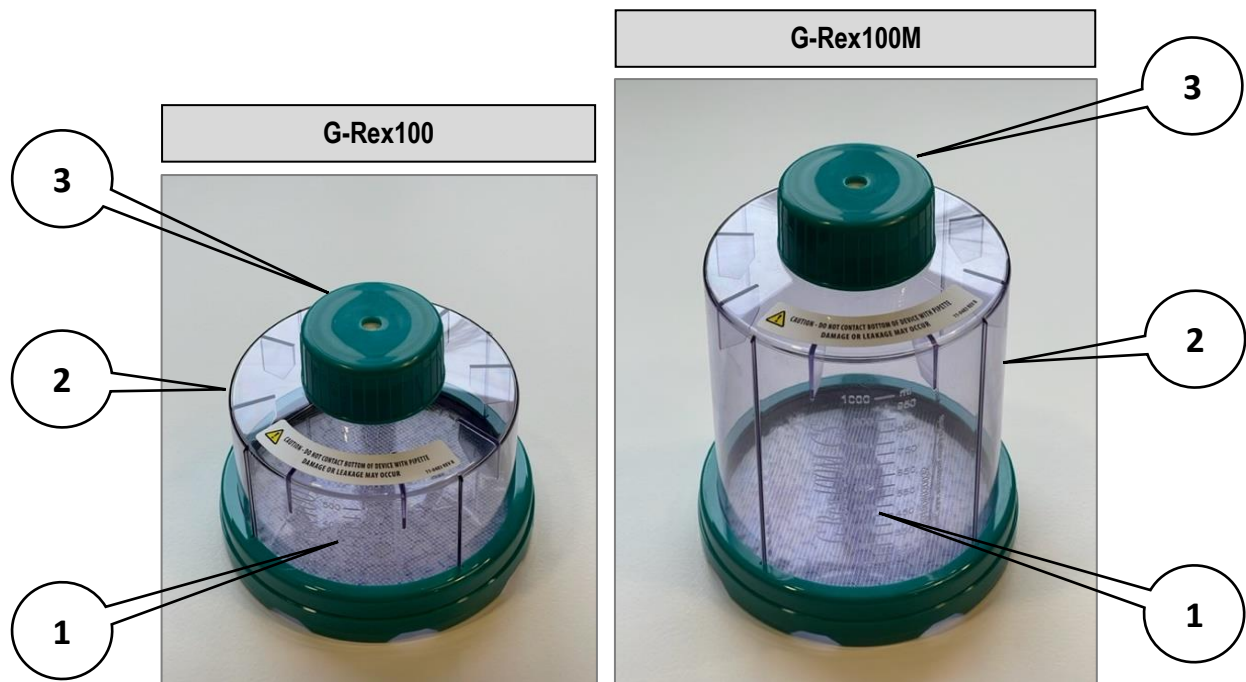
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5) Other Product Information

Feature	Value
Certificate of Compliance (CoC)	Provided with Every Shipment
Viral Penetration Tested (Membrane Material only)	ASTM F1671
Microbial Ingress Tested (Closed System only)	ASTM E3251
No Chemical Additives Statement	G-Rex Products Do Not Use Latex, BPA, Phthalates, Nitrosamines, Residual Solvents or Mold Release Agents in their Component Manufacturing or Final Device Assembly.
Electronic Instructions for Use (eIFU)	Visit www.wilsonwolf.com

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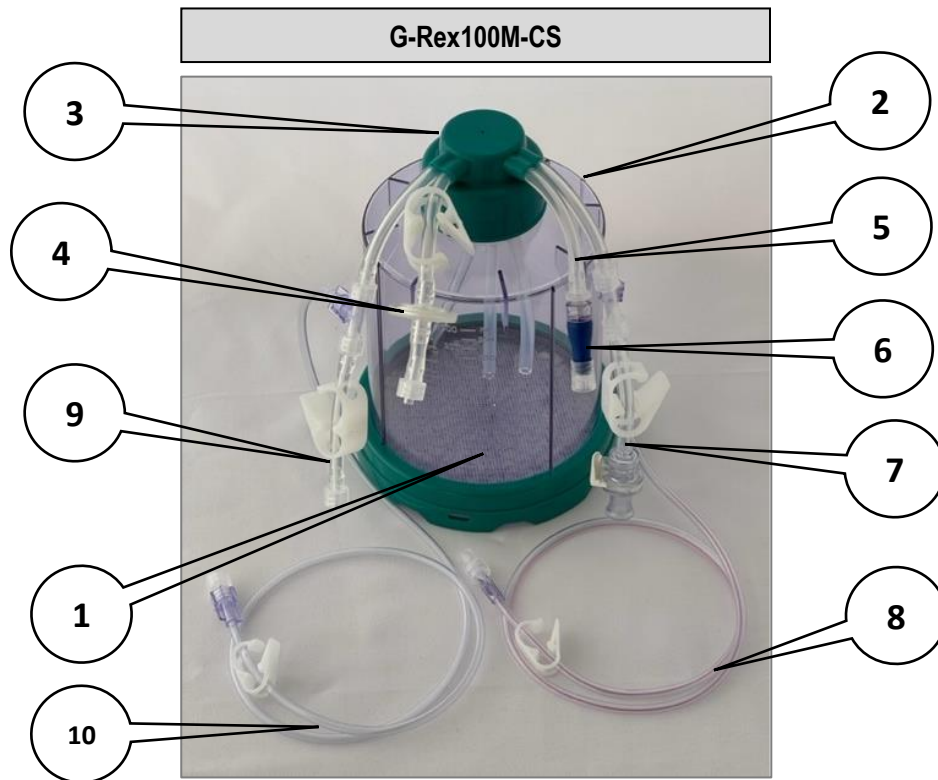
6) Product Materials



Fluid Pathway Components (numbered)

#	Component Name	Material	Material Grade
1	Gas Permeable Membrane	Silicone Elastomer	USP Class VI, ISO 10993
2	Shell (Vessel)	Polycarbonate	USP Class VI, ISO 10993
3	Cap with Vent Filter	Cap: Polypropylene, Filter Membrane: Hydrophobic ePTFE (0.2 µm)	USP Class VI, ISO 10993

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Fluid Pathway Components (numbered)

#	Component	Material	Material Grade
1	Gas Permeable Membrane	Silicone Elastomer	USP Class VI, ISO 10993
2	Shell (Vessel)	Polycarbonate	USP Class VI, ISO 10993
3	Multi-Port Cap	Polypropylene	USP Class VI, ISO 10993
4	Pall Versapor® Vent Filter (non-fluid pathway)	0.2 µm, Acrylic Copolymer Membrane, Hydrophobic, Versapor® Membrane (Pall® Product No. 6004700)	USP Biological Reactivity Tests, In Vivo <88>
5	Sample Line Tubing	Silicone Elastomer	USP Class VI, ISO 10993
6	MicroClave® Connector	Body: Polybutylene Terephthalate (PBT), Seal: Silicone, Spike: Polycarbonate, Lubricant: Silicone.	FDA Class 2 Device USP Class VI, ISO 10993
7	Reduction Line Tubing	Silicone Elastomer	USP Class VI, ISO 10993
8	Weldable Reduction Line	Polyvinyl chloride (PVC), non-toxic, non-phthalate	USP Class VI, ISO 10993
9	Harvest Line Tubing	Silicone Elastomer	USP Class VI, ISO 10993
10	Weldable Harvest Line	Polyvinyl chloride (PVC), non-toxic, non-phthalate	USP Class VI, ISO 10993
-	Various Luer Fittings	Polycarbonate	USP Class VI, ISO 10993
-	Various Luer Caps	Polypropylene	USP Class VI, ISO 10993

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7) Regulatory / Compliance

Company Certifications	ISO 13485
OUS Product Classification	GMP raw material for the manufacturing of cellular products, also known as an ancillary material per ISO/TS 20399-3:2018(en) Biotechnology - Ancillary Materials Present During The Production Of Cellular Therapeutic Products - Part 3: Best Practice Guidance For Ancillary Material Users, and USP <1043> Ancillary Materials for Cell, Gene, and Tissue-Engineered Products.
FDA Est. Reg. # and Est. Type	3004982543, Medical Device Manufacturer
FDA Product Classification	Device Class: I Classification Name: System, Suspension, Cell Culture Product Code: KJF Regulation Number and Description: 21 CFR 864.2240 Cell and Tissue Culture Supplies and Equipment Regulation Medical Specialty: Hematology Premarket Submission Type: 510(k) Exempt
Patents	www.wilsonwolf.com/patents

8) Legal Disclaimer

Wilson Wolf Manufacturing LLC makes no claims regarding the performance of this product for clinical treatment or therapeutic applications. It is the responsibility of the end user to assess its suitability for specific applications.