



G-REX®100M-CS	Gen1		Gen2	Same or Improved?
Product REF Number	81100-CS		G281100-CS	–
Availability	Current		August 2026	–
Device Specifications				
Height	7.51 in (19.1cm)		7.31 in (18.6cm)	–
Diameter	5.26 in (13.4cm)		5.26 in (13.4cm)	–
Approximate Dry Weight	0.63 lbs (286g)		0.708 lbs (321g)	–
Devices Per Package	1 device		1 device	SAME
Minimum Shipping Quantity	3-pack (case)		3-pack (case)	SAME
Case Dimensions (Length x Width x Height)	L 20.5in (52.1cm) W 10.63in (27.0cm) H 5.88in (14.9cm)		L 22.13in (56.2cm) W 12.13in (30.8cm) H 5.88in (14.9cm)	SAME
Shelf Life	3 years		3 years	SAME
Body (shell) Material	Polycarbonate (Injection molded)			SAME
Membrane Specifications				
Gas Permeable Membrane Surface Area	100cm2			SAME
Gas Permeable Membrane Material	Silicone Elastomer (USP Class VI, ISO 10993)			SAME
Nominal Working Volume	1000mL			SAME
Maximum Fluid Volume	1100mL			SAME
Sterility & Biocompatibility				
Viral Penetration Testing (Membrane Material Only)	ASTM F1671			SAME
Microbial Ingress Tested (Closed System Only)	ASTM E3251			SAME
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			SAME
Electronic Instructions for Use (eIFU)	www.wilsonwolf.com			SAME
Multi-Port Cap				
The Multi-Port Cap represents a sophisticated evolution of our primary fluidic interface interface, replacing the original threaded design with a sleek, polycarbonate, snap-fit cap with bonded PVC tubing. This refined, snap-fit architecture creates an immutable closed & sterile seal between the cap, the tubing set, and the body (shell) of G-Rex®, removing the risk of a sterile fluid path breach. It is an elegant engineering solution that provides structural security, inherent to the device itself.				
Shell Tubing Spud (Multi-Port Cap) Material	Polypropylene		Polycarbonate (Injection Molded)	IMPROVED
Shell Tubing Spud (Multi-Port Cap) Design	Threaded Cap; can be removed from Body (shell);		Snap Fit; cannot be removed from Body (Shell);	IMPROVED
Shell Tubing Spud (Multi-Port Cap) Tubing connections to ports	Silicone tubing pulled through ports in cap; connected to external PVC lines via barbed luer fittings		PVC tubing bonded directly to ports in the Shell Tubing Spud	IMPROVED
Vent Filter	0.2 µm Pall Versapor® Vent Filter		Sartopore Air Midisart, PES (0.2µm), 25mm	–
Fluid Management System				
The Fluid Management System introduces a sophisticated dual-ring architecture that elegantly 'flosses' the tubing set into a curated, vertical column. By replacing loose, wrapped lines with this structured alignment, we've created a neater and more ergonomic solution for clinical and commercial manufacturing. This streamlined design simplifies and systematizes device set up and operation, bringing another layer of discipline to G-Rex® based CGT production.				
Exterior Tubing Management System Design	Tubing is loose and wrapped inside packaging secured with a channel clip		Dual Ring Tubing Management System; tubing is tight and secured and available for use by operators	IMPROVED
Exterior Tubing Management System Material	Polypropylene		Polycarbonate (Injection Molded)	IMPROVED
Exterior Tubing Fitments	Polypropylene fittings bonded to PVC		No fittings. Tubing is sealed with no tubing fitments; Sample port is a luer	IMPROVED
Exterior Tubing	PVC (red-stripe and clear); thermal weld compatible			SAME
Sample Port	MicroClave® Connector		Needleless Injection Site	IMPROVED
Luer Connections	4 connections		1 connection (0 connections in sterile fluid path)	IMPROVED
Dead-End Luer Cap/Plug	Dual fitting; can be overlooked by end user		Removed, PVC tubing ends in seal.	IMPROVED
Interior Tubing	Silicone Elastomer (USP Class VI, ISO 10993)			SAME
Internal Cell Harvest Line Internal Reduction Line	Not secured; possible to move out of position		Secured to sidewall of Body (shell) for consistent cell harvest	IMPROVED
Membrane Support Base	Clear; poor contrast when observing cell growth		Black; good contrast when observing cell growth	IMPROVED