

3D FloTrix™ vivaVIAL Filling System

A purpose-built, automated vial filling platform for cell therapy manufacturing. This compact system integrates end-to-end processing—sorting, filling, stoppering, crimping, and in-line QC—with single-use tubing assemblies, delivering pharmaceutical-grade fill-weight accuracy ($\leq \pm 0.1$ mL) at throughputs up to 1,000 vials/hour.

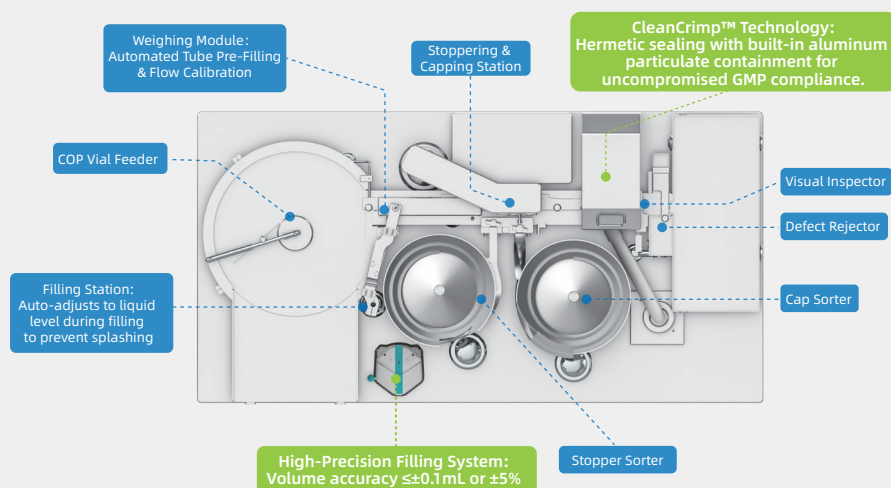


3D FloTrix™ vivaMIX Intelligent Cell Mixing Module



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Smart Temperature-Controlled Mixing:
Maintains cell viability (>95% of initial state) and homogeneous suspension (RSD <5% density deviation)

Technical Specifications

3D FloTrix™ vivaVIAL Filling System

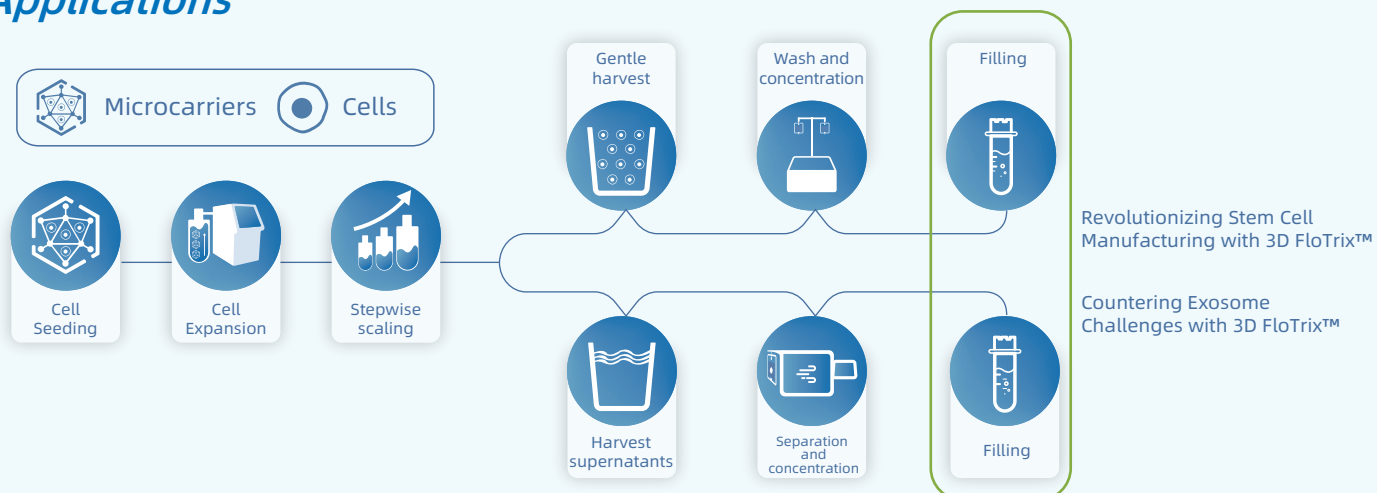
Parameter	Specification
Min. Feed Volume	>50 mL
Filling Volume	0.1-10 mL
Throughput	Up to 1000 vials/hour
Accuracy	$\leq \pm 0.1$ mL or $\pm 5\%$
Viability Loss	<5%
Compatibility	2/5/10 mL COP Vials Vented/Non-Vented Stoppers
Dimensions (L×W×H)	1263 × 651 × 700 mm
Weight	220 kg
Power Supply	AC 100-240 V, 50/60 Hz, 2300 W
USB Port	1
Ethernet Port	1×100 Mbit/s

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Parameter	Specification
Volume Range	0.1-3 L
Accuracy	Cell density RSD $\leq 5\%$
Viability Loss	$\leq 5\%$
Dimensions (L×W×H)	450 x 500 x 700 mm
Weight	55±5 kg
Power Supply	AC 220 V $\pm 10\%$, 50/60 Hz, 500 W
Temperature Control	2-8 °C
Mixing frequency	0-200 cycles/min (adjustable)
Sensors	Weighing Sensor, Temperature Sensor



Applications



3D FloTriX™ vivaVIAL Filling System enables automated filling of both cell and exosome-based therapeutics, ensuring precision and GMP-compliant quality control for efficient production.

Why Choose vivaVIAL?

- Pharma-grade precision - ± 0.1 mL filling accuracy with splash prevention
- CleanCrimp™ technology - Precision seal & particulate containment reduce contamination risks
- Viable & Uniform - Integrate with temperature-controlled mixing on vivaMIX to maximize product quality
- Intelligent quality control - Vision-guided defect detection
- Scalable throughput - 1,000 vials/hour in a compact footprint

Ordering Information

Model	Product Name
vivaVIAL-00-01	3D FloTriX™ vivaVIAL Filling System Controller
vivaVIAL-02-01	3D FloTriX™ vivaVIAL Filling System Module A 2mL
vivaVIAL-05-01	3D FloTriX™ vivaVIAL Filling System Module A 5mL
vivaVIAL-10-01	3D FloTriX™ vivaVIAL Filling System Module A 10mL
VIAL-02-01	3D FloTriX™ vivaVIAL Filling Tubing Kit 2mL
VIAL-05-01	3D FloTriX™ vivaVIAL Filling Tubing Kit 5mL
VIAL-10-01	3D FloTriX™ vivaVIAL Filling Tubing Kit 10mL
vivaMIX	3D FloTriX™ vivaMIX Intelligent Cell Mixing Module

Ready to transform your cell manufacturing?
Connect with us!



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