



AT-Cellyx

Integrated cell mixing and thermal control

The AT-Cellyx is an integrated equipment solution designed to optimize the final processing of cell therapies. It uniquely combines controlled mixing and cooling in a single, compact device, ensuring optimal product homogeneity and thermal stability.

AT-Cellyx – Intergrated cell mixing and thermal control

Process

The AT-Cellyx streamlined process ensures precision at every step.

- Prior to bulk bag insertion, the Peltier plate is cooled to the target temperature, ensuring a stable environment for temperature-sensitive materials (min 2°C/35.6°F)
- The bulk bag is inserted into the chamber, onto a pre-cooled Peltier plate, ensuring secure positioning and temperature integrity
- A rotating rod provides customizable mixing – adjustable in both depth and frequency – to ensure uniform distribution and gentle handling of contents

Once the mixing is complete, the cell product is smoothly transferred from the AT-Cellyx to the fill & finish stage. For added control, an optional cell counter add-on can be integrated prior to final processing – ensuring robustness every step of the way.

Product uniformity

- Bulk product is mixed to ensure uniformity
- Agitation is adaptable and reproducible

Thermal control

- Stable temperature during processing
- Product quality maintained

Integration

- Compact and modular design
- Compatible with AT-Closed Vial Technology® and AT-Port System

Compliance

- No product-contact parts
- Adapted to GMP environments

Specifications

Application	Mixing and cooling of 2D cell bags before fill & finish processes
Bag volume	From 0.25L to 5L
Product path	Compatible with standard bags and connectors – AT custom assemblies available
Mixing speed	Adjustable rod rotation from 10 to 50 RPM
Cooling temperature range	8°C - 2°C (46.4°F - 35.6°F)
Electrical supply	230V standard (110V available upon request)
Dimensions	492x470x553 mm (19.3x18.5x21.7")
Weight	40 kg (88.1 lbs)
Environment	Adapted to cleanroom and GMP-compliant environments
Warranty	12 months, starting from FAT date
Documentation	English manuals + LOD, engineering, validation, certificates, shipping list
Packaging	Air- and road-ready cardboard boxes
Validation	FAT per AT standards, FAT consumables included
Training	Remote training included

