



AKADEUM  
LIFE SCIENCES®

# Alerion™ Microbubble Cell Separation System

The Highest Capacity, Fastest and Most Gentle Cell Separation System. Ever.



Leveraging Akadeum's microbubble technology, the **Alerion™** is engineered to drive processes forward. The **Alerion™** enables therapy developers to manufacture more doses in less time via a streamlined, closed-system workflow that isolates cells of therapeutic significance with unmatched flexibility, simplicity, performance, and scalability.



## Scalability

Up to 100B cells processed at once



## Fast

5X faster: < 1hr sample to cells isolated



## Cell Health

100X lower forces on cells: healthier cells

## Contact Us

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FL53618001A07

## BioRise™: Purposeful Engineering for Scaling Cell Therapy Workflows

Alerion™ cell separation is accomplished using the innovative **BioRise™ Consumable**. With the **BioRise™**, cell therapy development has reached a scale never before possible, resulting in the output of cells that are healthier and more viable due to the gentleness and speed of which flotation-based separation occurs. Faster separations mean less handling time.



### Flexibility

Enabling autologous and allogeneic workflows with reagents ready for development through clinical trials



### High Viability

Untouched cells;  
reduction of cellular impurities;  
highly transducible cells with minimal exhaustion

### Alerion™ Microbubble Cell Separation System Specification

Instrument	CE, UL, ISO13485
Software	21 CFR Part 11, sample ID capability
Dimensions (L × D × H)	55" × 30" × 25" (140 cm × 76 cm × 63.5 cm)
Weight	Approximately 250 lbs (113 kg)

### BioRise™ Consumable Specifications

Tubing	Compatible with existing tube welders and sealers
Chamber Material	Transparent Polycarbonate: PVC tubing (non-DEHP) materials USP Class VI testing, ISO 10993 certified
Quality Specifications	GMP; gamma sterilized

### Ordering Information

System	53618-001	Alerion™ Microbubble Cell Separation System (includes software and one-year warranty)
Consumable	63618-001	BioRise™ Consumable

Contact your representative for information regarding preventive maintenance plans and IQ/OQ.

## Achieve Unrivaled Cell Separation and Recover Better Cells with the Alerion™

Akadeum's Microbubble cell isolation kits have served global cell therapy developers for years. The **Alerion™** builds on this technology, offering a semi-automated solution to advance cell therapies, *faster, gentler, and at larger scales than ever before*. To learn more, visit [akadeum.com](https://akadeum.com) or email us at [info@akadeum.com](mailto:info@akadeum.com).

