



AKADEUM  
LIFE SCIENCES®

## Human T Cell Depletion Kit with Akadeum Microbubbles

Robust T cell depletion to give you the cells  
you need without the ones you don't!



### Better Isolations. Better Cells. Better Therapies.

The Akadeum Human T Cell Depletion Kit depletes endogenous human CD3+ T cells from various samples, including PBMCs (human peripheral blood mononuclear cells) and cell cultures. This kit depletes human CD3+ T cells without columns and magnets, enabling scaled purification after transduction or transfection in an allogeneic CAR-T (chimeric antigen receptor T cells) manufacturing processes. Depletion of 10s of billions of CD3+ cells in less than an hour is now possible with the Alerion™ Microbubble Cell Separation System. Akadeum's Human T Cell Depletion Antibody Cocktail recognizes the human T cell receptor-CD3 complex, leading to T cell depletion through binding of microbubbles and separation through buoyancy. CD3- cells are left untouched and ready to use for downstream applications, such as therapy formulation, cell culture, flow cytometric characterization, or cell storage.

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#FL13510231 A02

## Why use Akadeum's Human T Cell Depletion Kit?



### Healthier Cells

Gentle process maintains the health of the cell therapy product.



### Higher Recovery

Increased recovery of gene-edited cells for downstream formulation



### Automatable

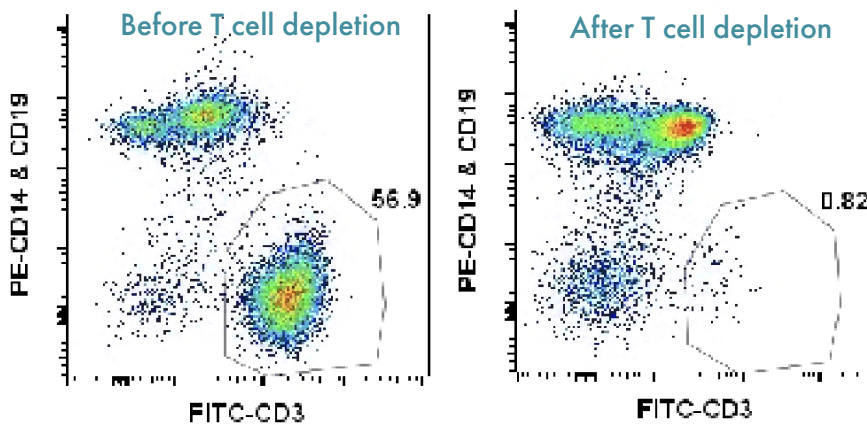
Scale your process with the Alerion™ System and all but eliminate your hands-on time



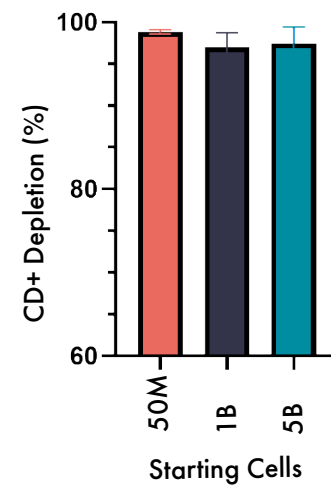
### GMP grade

Maintain peace of mind with stringent documentation and regulatory adherence

### Microbubbles are Highly Effective at Depleting CD3+ Cells



### Depletion with Microbubbles is Effective across Scales



## Ordering Information

### Catalog Number

13510-231

13510-231GMP

13510-232

13510-232GMP

13510-232CR

### Product Name

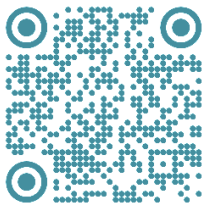
Human T Cell Depletion Kit (1 Billion Cells)

Human T Cell Depletion Kit – GMP (1 Billion Cells)

Human T Cell Depletion Kit (5 Billion Cells)\*

Human T Cell Depletion Kit – GMP (5 Billion Cells)\*

Human T Cell Depletion Kit – CR (5 Billion Cells)\*\*



Learn more about our products

\* Compatible with the Alerion™ Microbubble Cell Separation System

\*\*CR - Clinical Ready Kits for manual processing meet ISO20399, ISO 10993, and USP <1043> standards for ancillary materials in Cell and Gene Therapy

Unless specifically indicated, Akadeum products are approved for research use only and not for therapeutic use.



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