

LeviSelect CD45 Depletion Kits

LeviSelect™ products combine Levitation Technology™ with target selection of specific cell types. Identify and enrich viable, specific cells of interest while removing unwanted contaminants. LeviSelect products modulate the native magnetic properties of the cell and thereby depleting unwanted cells and enriching for unlabeled cells of interest.

The LeviSelect CD45 Depletion Kits allow users to deplete the CD45 expressing cells from a mixture of different cell types while simultaneously enriching for viable cells using the LeviCell™ System.

This kit enables you to:

- Enrich for viable tumor cell population and target cell depletion concurrently
- Reduce sample processing time and stress factors
- Remove the need for centrifugation and extra wash steps
- Obtain highly pure viable cells for use in downstream studies like single cell sequencing on

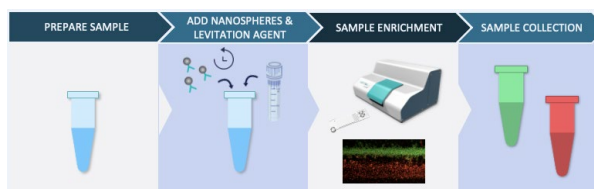


Figure 1. LeviSelect Workflow in 4 easy steps.



Target Specific



Untouched Cells Of Interest



Simplified Workflow

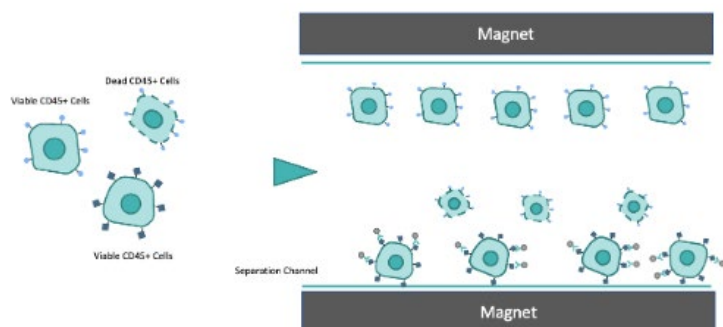


Figure 2. Schematic diagram showing the separation channel. Cells are depleted when bound to the magnetic nanospheres and viable, unlabeled cells of interest levitate.

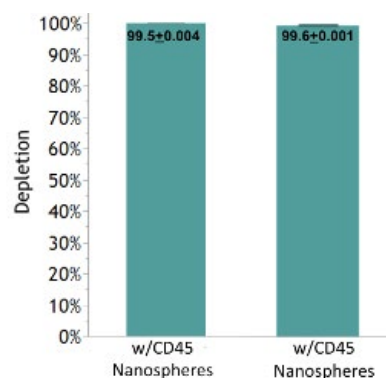


Figure 3. Depletion of CD45+ Jurkat T-cells and PBMCs from CD45-H358 heterogeneous mixture. Cells were mixed at 85%:15% respectively prior to adding LeviSelect Human CD45 nanospheres.

Ordering Info

Product	Part Number	# rxns/kit
LeviSelect Human CD45 Depletion Kit	1004001	10
LeviSelect Mouse CD45 Depletion Kit	1004003	10

END-TO-END LEVITATION-BASED WORKFLOW

Streamline your complete sample processing workflow with Levitation Technology.

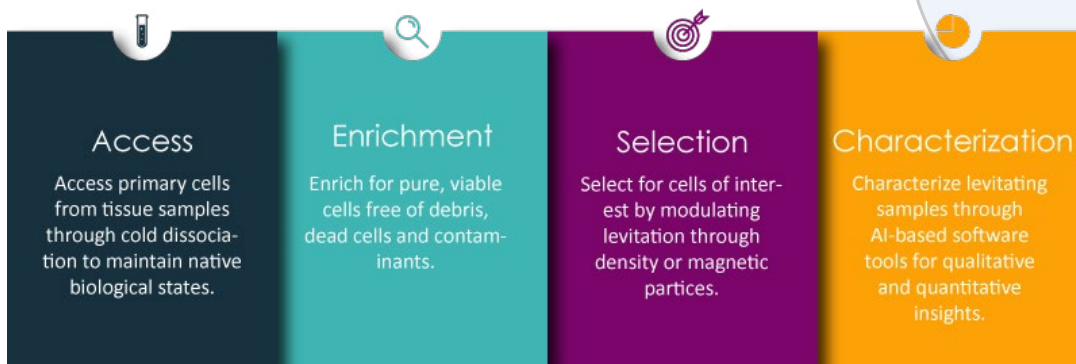
Most cell-based biological studies require researchers to prepare their target samples for downstream use, either endpoint analysis to gain insight about the sample or controlled sample expansion through select cellular processing workflows. However, due to the natural complexity associated with highly variable starting material, researchers must perform a series of disconnected, time consuming, and potentially harsh processing steps prior to pursuing their experimental output. These required steps create a critical bottleneck in scientific workflows that have commonly lacked innovation, integration, and clear optimized technologies and protocols to address.

We simplify the complexity of this bottleneck into 4 distinct buckets, including sample access, sample enrichment, target selection, and sample characterization. Each of these steps impart their own complexity and create potential issues for downstream analysis.

Our flagship product, the LeviCell system, is powered by a new core technology based on magnetic levitation to initially address the critical need for sample enrichment. By providing gentle, label-free viable cell separation, we ensure collected samples remain free from deleterious effects often triggered by conventional sample preparation methods. Beyond enrichment, the platform was specifically designed to integrate, optimize, and improve many of the up and down-stream workflow steps.

As we look to the horizon, we see an ever-expanding portfolio of products based on Levitation Technology that empower end-to-end next-generation sample processing and characterization protocols. LeviPrep and LeviSelect are just the beginning.

Visit levitasbio.com/horizon to learn more.



For more information on this product, visit levitasbio.com/leviselect, or email sales@levitasbio.com.

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