



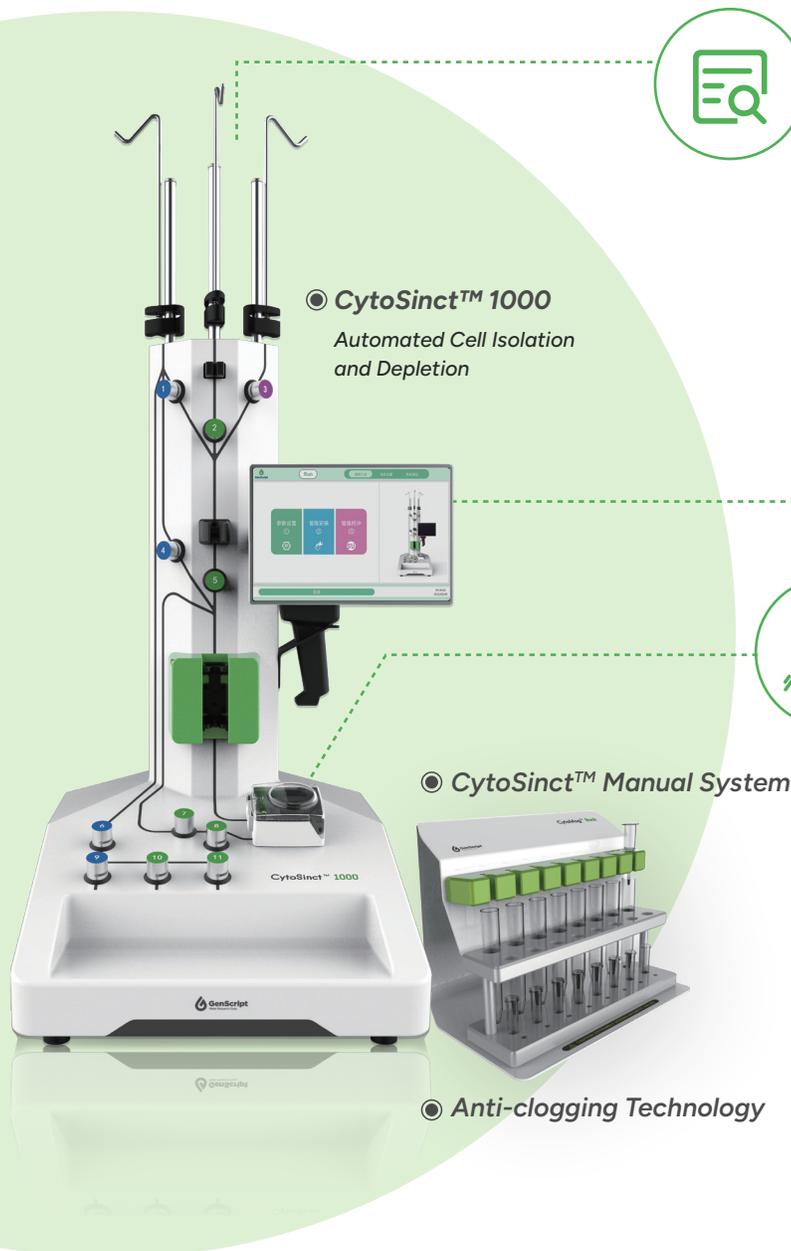
Cell Isolation and Activation



Efficient

Reliable

Sustainable



● **CytoSinct™ 1000**
Automated Cell Isolation
and Depletion

● **CytoSinct™ Manual System**

● **Anti-clogging Technology**



Optimized for Manufacturing

- Data Integrity (21 CFR Part 11 Compliant)
- Audit Trail and Log Report Available



Simple & Versatile

- Customizable Program
- Guided Installation



Highly Efficient & Closed System

- Matching Industry Standard
- Single-use Tubing Sets for Sterile Operation



● Reagents and Consumables

- CytoSinct™ Cell Isolation Nanobeads: CD4, CD8, CD3, TCR $\alpha\beta$, Streptavidin, Customization, and More
- Enceed™ Activation Reagent: CD3/CD28
- GMP and RUO Grade

CD4+ and CD8+ Cell Enrichment Using the CytoSinct™ Solutions vs. Competitor Products

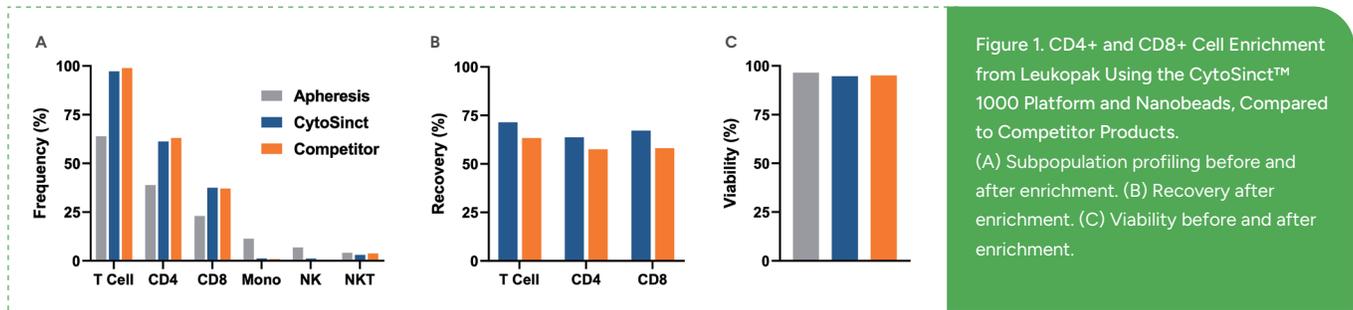


Figure 1. CD4+ and CD8+ Cell Enrichment from Leukopak Using the CytoSinct™ 1000 Platform and Nanobeads, Compared to Competitor Products. (A) Subpopulation profiling before and after enrichment. (B) Recovery after enrichment. (C) Viability before and after enrichment.

T-Cell Activation and Expansion Using Enceed™ CD3/CD28 Activation Reagent vs Competitor Products

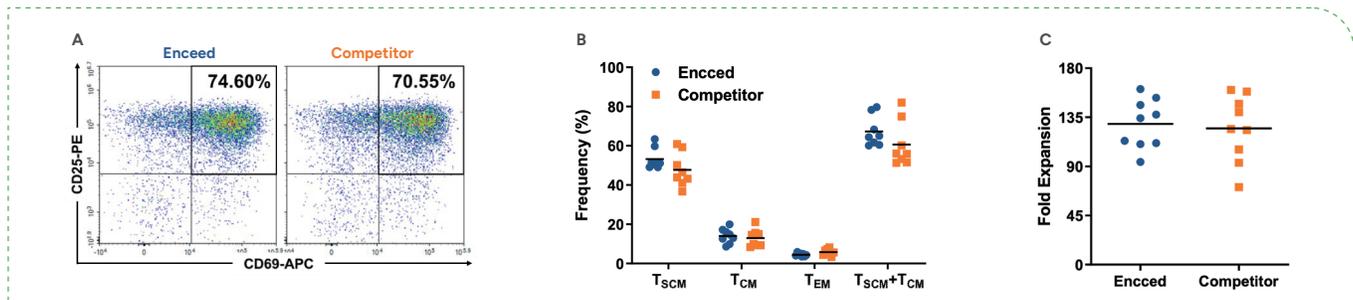


Figure 2. Activation, Expansion, and Memory Phenotype of Enriched T-Cells from Donor-Derived Leukopaks Using Enceed™ CD3/CD28 Activation Reagent Compared to Competitor Product. (A) Activation level indicated by CD25+ CD69+ percentage, detected by flow cytometry, is higher in cells activated by the Enceed™ reagent compared to competitor products 48 hours after treatment. (B) Trend of higher T_{SCM} in enriched T-cells 10 days after activation by Enceed™ reagent compared to competitor's. (C) Cell expansion indicated by fold change 10 days after activation and cultivation.

CytoSinct™ Cell Isolation Offerings:

Product Name	Application
CytoSinct™ 1000	Automated
CytoSinct™ 1000 Tubing Set	
CytoSinct™ 1000 LS Tubing Set	
CytoSinct™ 1000 Depletion Tubing Set	
CytoSinct™ gStand	Manual
CytoSinct™ gM columns	
CytoSinct™ gL columns	
CytoSinct™ M1 magnet	
CytoSinct™ M8 magnet	
CytoSinct™ L1 magnet	
CytoSinct™ L4 magnet	

Product Name	Available Options
CytoSinct™ CD4 Nanobeads, human	GMP Grade and Research Use
CytoSinct™ CD8 Nanobeads, human	
CytoSinct™ CD3 Nanobeads, human	
CytoSinct™ TCR αβ Nanobeads, human	
CytoSinct™ CD56 Nanobeads, human	
CytoSinct™ CD34 Nanobeads, human	
CytoSinct™ CD14 Nanobeads, human	
CytoSinct™ Nanobeads Customization	Research Use
CytoSinct™ CD19 Nanobeads, human	
CytoSinct™ CD25 Nanobeads, human	
CytoSinct™ Streptavidin Nanobeads	
CytoSinct™ Anti-biotin Nanobeads	

Enceed™ Cell Activation Reagent Offerings:

Product Name	Available Options
Enceed™ T cell Activation, human	GMP Grade and Research Use

CAN'T FIND WHAT YOU NEED?

Please send your request to product.techsupport@genscript.com and we can offer customization to meet your need

