

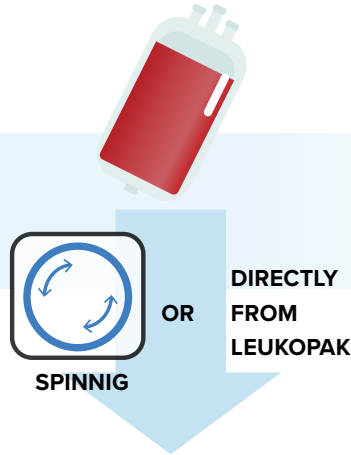
Why is MARS the solution to use for cell therapy development?



MARS

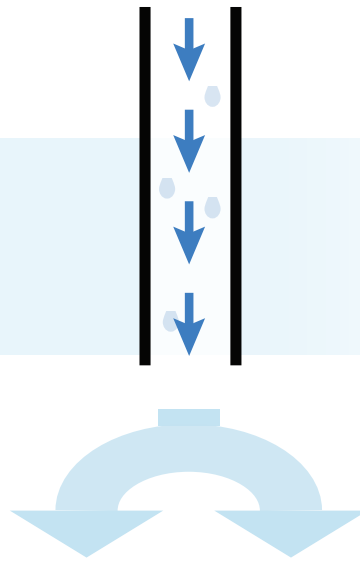
STEP 1

OPTIONAL reduce volume



STEP 2

Incubate with CD4 CD8 Applied Cells Ingenuity™ GMP nanomagnetic beads, run with **NO COLUMN**



STEP 3

Collect cells ready for downstream use — **NO CENTRIFUGATION**

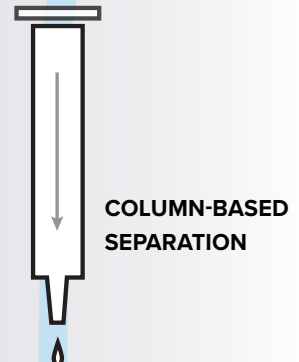
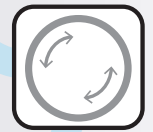
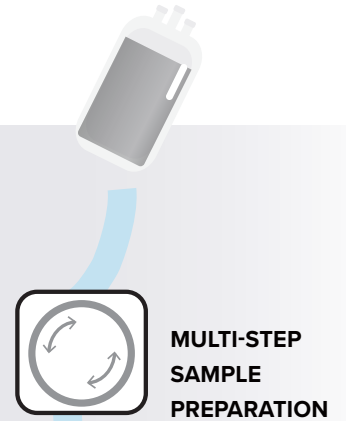
OPTION 1
Cells eluted in medium, ready for immediate processing in a bioreactor



OPTION 2
Cells eluted in buffer, ready for next step including freezing



TRADITIONAL

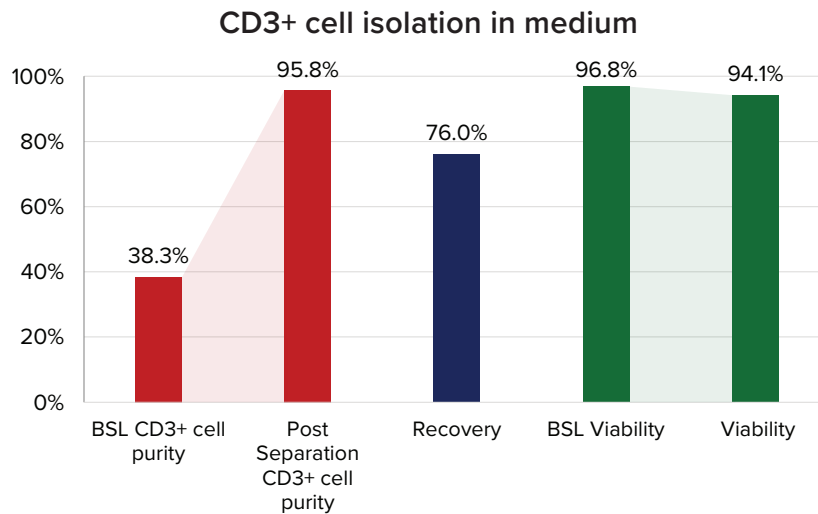




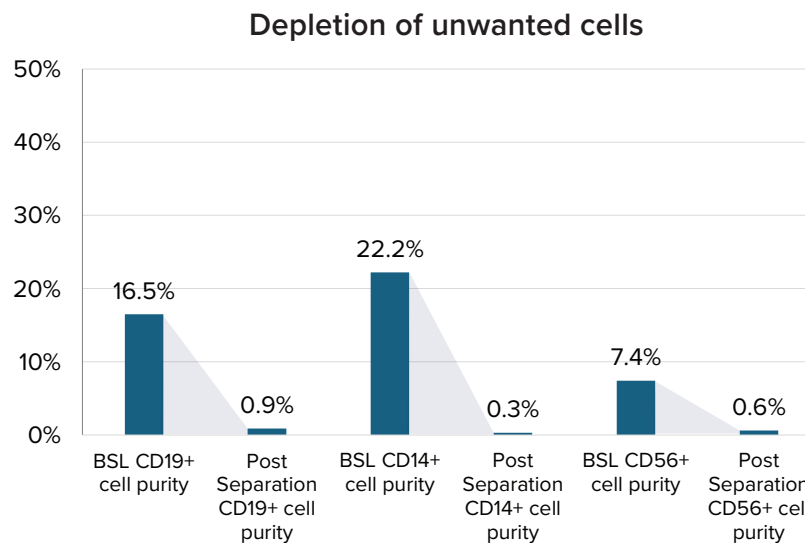
OPTION 1

Cells eluted in medium, ready for immediate processing in a bioreactor.

The new MARS workflow enables the elution of immunomagnetically captured cells directly into the optimal medium, providing **rapid, centrifuge-free separation** and preparing cells for **immediate processing (activation, expansion, etc)** directly from MARS.



Our proprietary, column-free technology delivers high purity and recovery of target cells, while effectively eliminating unwanted ones. This streamlined process using proprietary MARS In-Situ Rinse™ saves time and **improves purity and recovery**, reducing manipulation steps.



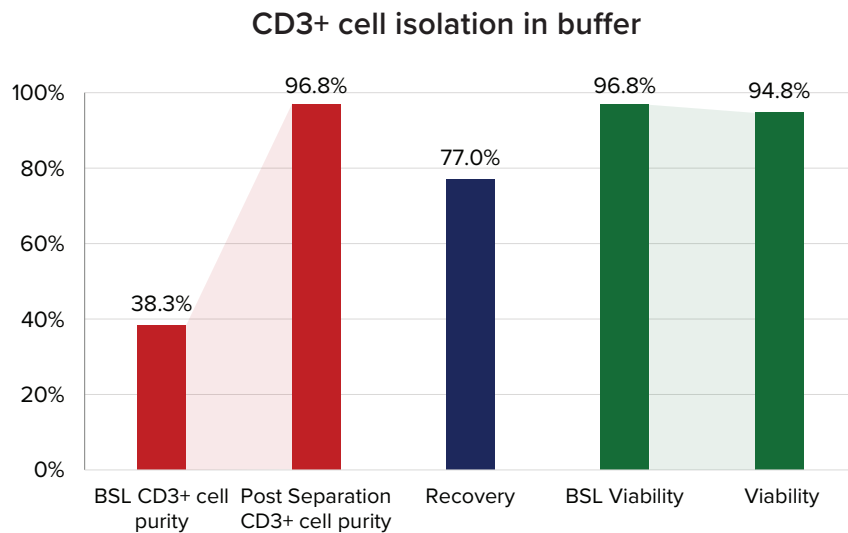
Experience a faster, more efficient, and cost-effective solution—MARS delivers it all.

OPTION 2

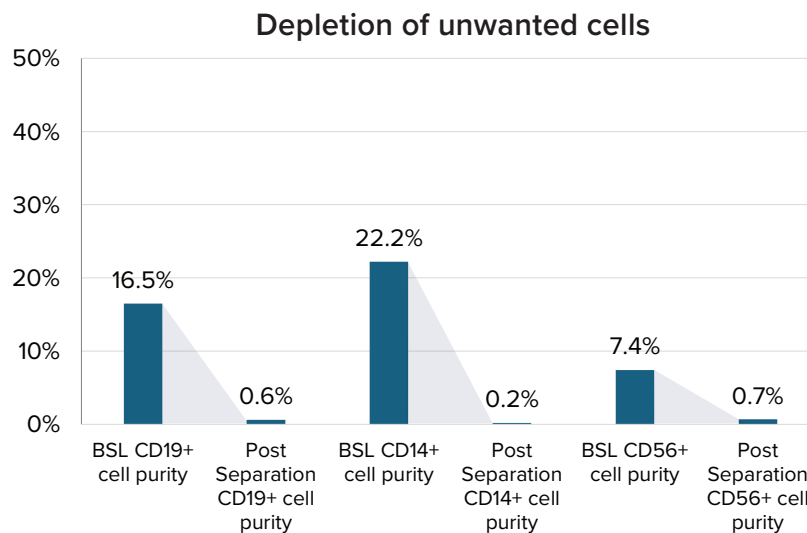


Cells eluted in buffer, ready for next steps, including immediate freezing.

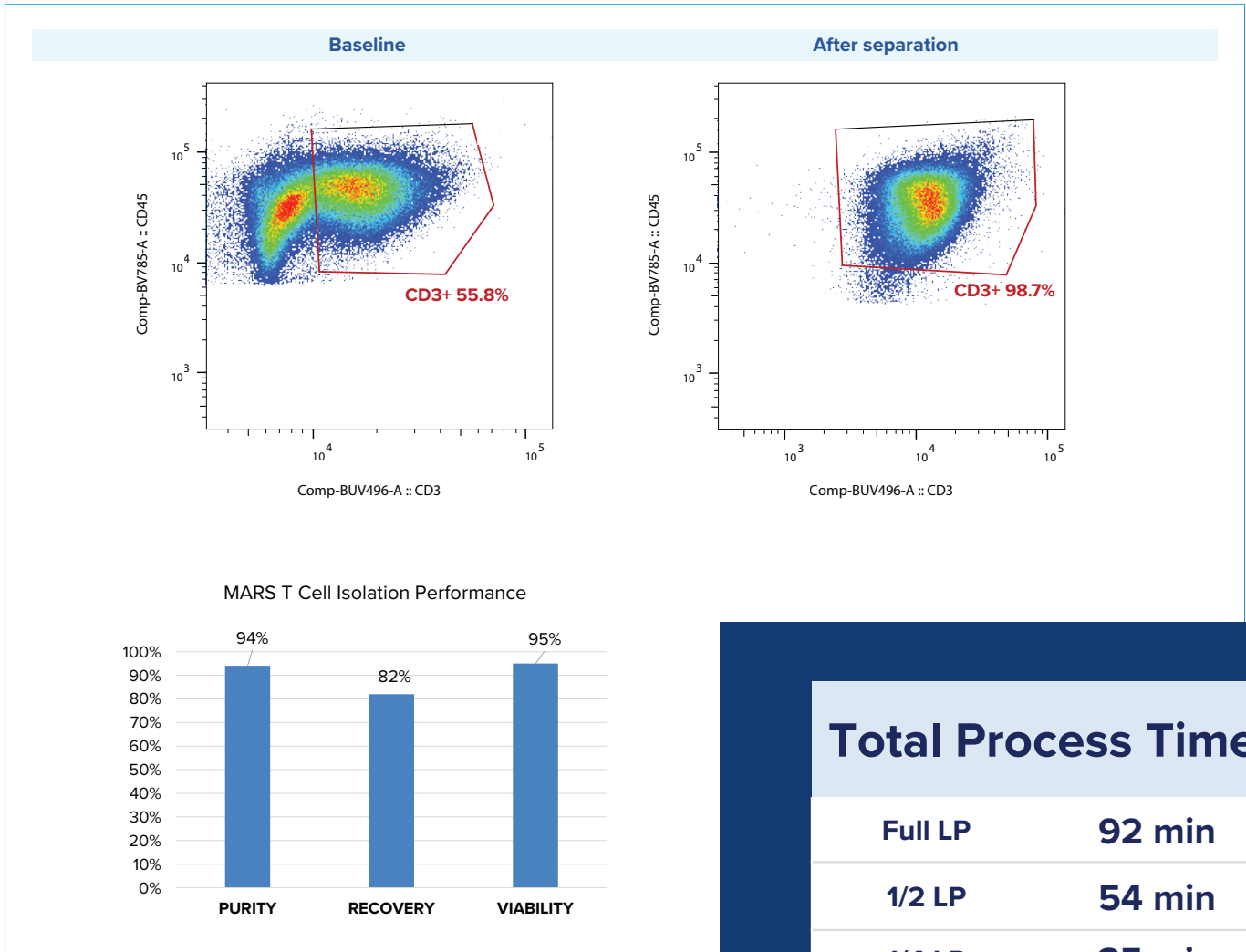
The new MARS workflow enables the elution of immunomagnetically captured cells in buffer or media of choice, providing **rapid process** and preparing cells for next steps, including **freezing** directly from MARS.



Our column-free technology simplifies the process, **minimizing handling and saving time**. It ensures high yield and purity of target cells while efficiently removing unwanted cells, improving overall cell purity and recovery.



Experience a faster, more efficient, and cost-effective solution—MARS delivers it all.



The MARS® platform enables efficient T cell isolation for CAR-T development.

Total Process Time	
Full LP	92 min
1/2 LP	54 min
1/4 LP	35 min

Key features:

- ☑ **Sterile closed fluidics system** for a contamination-free processing
- ☑ **GMP-compliant reagents** - high-quality reagents for safe manufacturing.
- ☑ **Automated workflow** - minimizes manual work, reducing the risk of errors and saving time.
- ☑ **Efficient and cost-effective** - accelerates processes while cutting costs.
- ☑ **Consistent and reliable performance** ensuring quality and precision
- ☑ Software designed to be **21 CFR Part 11** compliant

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