

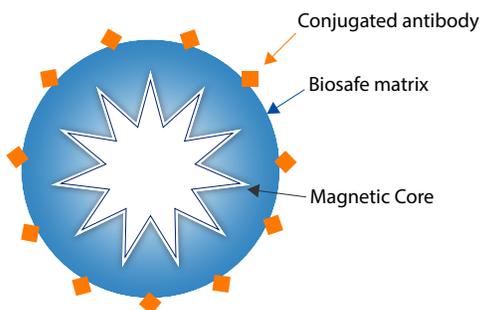
# MARS<sup>®</sup>

# INGENUITY<sup>™</sup> LINE

MARS<sup>®</sup> Ingenuity<sup>™</sup> Line is a family of cell isolation reagent kits launched in collaboration with GenScript USA Inc. aiming to deliver combined solutions for cell therapy drug development worldwide. These kits include research and cGMP-grade reagents for fast and easy cell isolation supporting the development of CAR-T and other Cell Therapy products on the MARS<sup>®</sup> Platform.

Our perfected, antigen-specific paramagnetic nanoparticles are nanometer-sized, biodegradable, easy-to-use beads for immunomagnetic separation. With protocols optimized for the column-free MARS<sup>®</sup> Bar instruments, the kits provide an integrated cell isolation solution with the ability to easily transition from R&D-scale workflow to manufacturing-scale process development with consistent and reproducible performance.

Compared to some alternative solutions that require complex protocols, long processing times, or result in low cell purity and/or recovery, MARS<sup>®</sup> platforms avoid these shortcomings to deliver a fast, automated, gentle and efficient cell isolation.



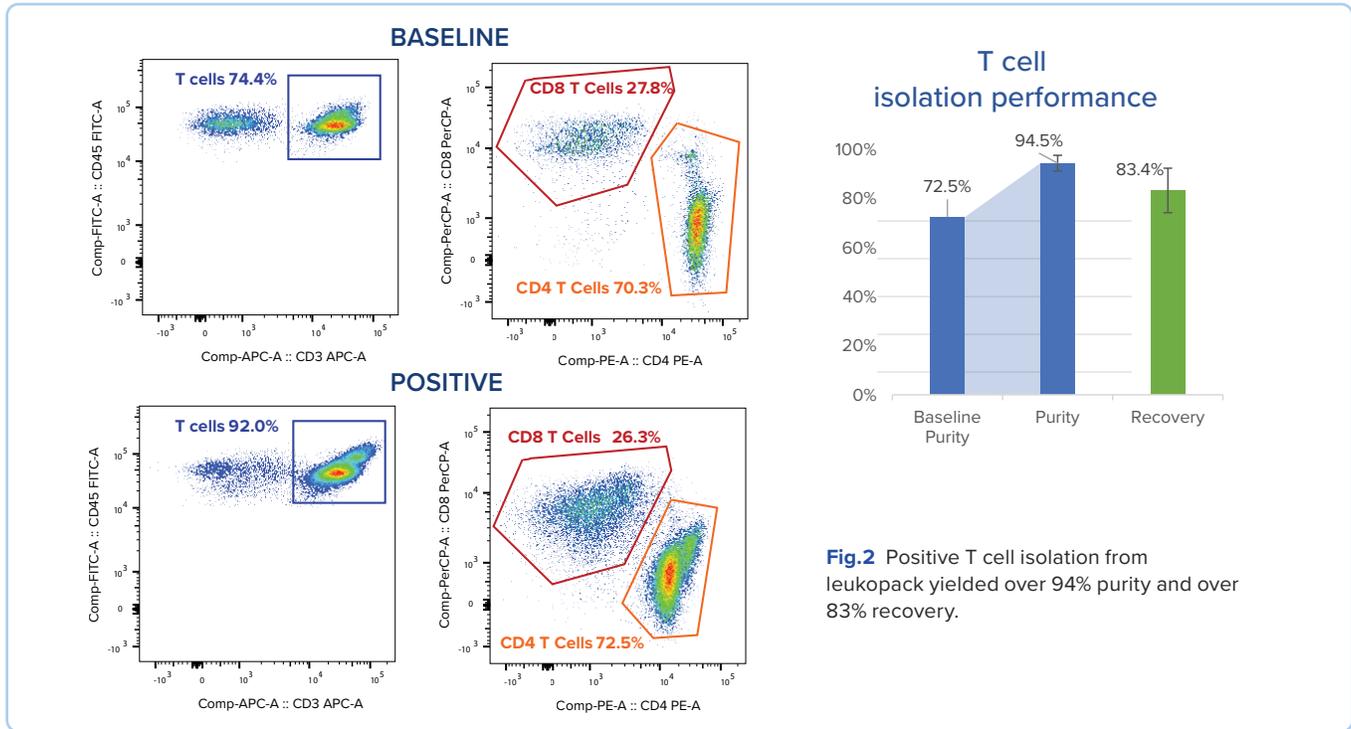
**Fig.1** Introducing a new line of perfected, antigen-specific paramagnetic nanometer-sized, biodegradable beads for immunomagnetic separation.

## EASY UPSCALING

MARS<sup>®</sup> Bar family offers both, a small-scale system (Flex) for easy assay optimization of up to 3 samples in parallel, and a fully enclosed bag-in-bag-out configuration for high performance, sterile cell processing and culturing.

# Human T cell Positive Selection Kit

CAT NO: R\_MI001



**Fig.2** Positive T cell isolation from leukopack yielded over 94% purity and over 83% recovery.

## EASY OPTIMIZATION

The simple protocols are exquisitely easy to optimize. Isolating cells with the MARS® Ingenuity™ Line on the MARS® Bar Platform allows for parallel processing of up to 3 samples at the sample flow rate of up to 3 mL/min.

## POSITIVE AND NEGATIVE SELECTION

MARS® Ingenuity™ Line allows users to enrich or deplete target cells from PBMCs, leukapheresis products and a variety of other starting materials. The separated cells are ready to use in most downstream applications, including cell culture, activation, expansion, and translational research.



For research use only. Not for use in human or animal therapeutic or diagnostic procedures.

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