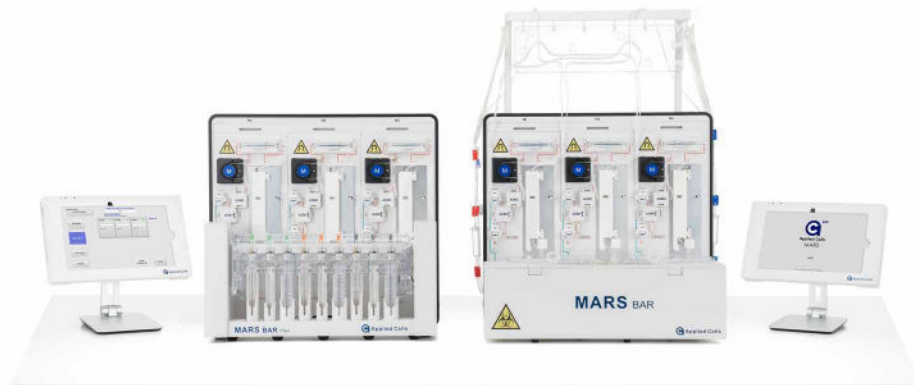


MARS® Bar Specifications

STANDARDIZED TECHNOLOGY FROM RND TO MANUFACTURING.
GAP-LESS UPSCALING WITH NO COMPROMISE.



MARS BAR Flex

MARS BAR BIBO

SAMPLE

Magnetic Cell labelling



Containment

5mL, 15mL, 50mL tubes

Bags

Sample processing

1 sample each module
Max 3 samples in parallel

1 sample by 3 parallel channels

Sample types

- Whole blood
- Apheresis
- Leukopaks
- Frozen PBMC's
- Bone marrow
- Dissociated Tissue



REAGENTS & CONSUMABLES

Isolation buffer

MARS® MAG buffer

Isolation reagents

- MARS MAG lines (RUO)
- MARS Ingenuity Line (RUO, GMP)



Fluidics

Open end tubing sets
Cleaning and sterilization protocols

Closed tubing set (Gamma radiated)

	MARS BAR Flex	MARS BAR BIBO
CELL ISOLATION		
Positive isolation	✓ ✓	✓ ✓
• Direct from Whole Blood & Leukopak		
Negative depletion	✓	✓
Positive & negative tubing sets	Same (program enabled change)	
OPERATIONS		
Speed	Protocol dependent; 0.5-6 ml/min	
Column-free		
MARS® MAG in-flow technology	✓	✓
Separation channels	Flex-BIBO scalable	
Redundancy	3x Modules	
Time to assemble tubing set	<5min*	<15 min*
Time to initiate isolation	<2 min	< 8 min
Typical time to process 1e9 cells	<20 min (3 modules, single batch)	<30 min (25e6/mL)
Capacity	0.5 - 45 mL per module	20 mL - 1L Expandable >1L
Max total cells processable	No practical limit	
Batched isolation	✓	✓
Operation in bio-safety hood	✓	N/A
Additional configuration	Sequential process**	N/A
SOFTWARE		
Pre-programmed protocols	✓	✓
Adjustable & lockable parameters	✓	✓
Tiered user rights	✓	✓
Logged UI events	✓	✓
Encrypted logs	✓	✓
INSTRUMENT		
Dimensions	20.5" W x 16.5" D x 19.75" H 52cm W x 41 cm D x 50 cm H	20.5" W x 16.5" D x 28" H 52cm W x 42cm D x 74cm H
Weight	62 lb / 28 kg	59 lb / 27 kg

* With standard training ** Customizable