

There is a MARS[®] for you.

CELL SEPARATION MADE SIMPLE



Which system is best for you?

Choose your isolation technique and scale.

	Positive immunomagnetic isolation	Acoustic untouched separation	Negative immunomagnetic isolation
Small scale (eg.RUO)	MARS CS		
Large scale (more samples/larger volume)	MARS Bar	MARS SP	MARS SP + MARS Bar

USE A VARIETY OF INPUT SAMPLES



WHOLE BLOOD



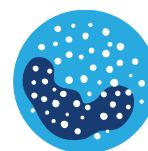
TISSUES



BONE MARROW



APHERESIS



PBMCS

CHOOSE YOUR MARS®



Model	Sample Preparation	Cell Separation	Bar
Function	Sample preparation	Cell Separation	Magnetic Cell Enrichment
Acoustic Modules	3	2	—
Magnetic Modules	—	1	3

TECHNICAL SPECIFICATIONS

Module	Acoustic	Magnetic
Function	white blood cell separation from RBC and debris based on the difference in physical parameters	immuno-magnetic cell separation targeting specific cell surface markers
Compatible Samples	Whole blood, Bone marrow, Apheresis, Frozen PBMC's, Dissociated Tissue Samples (TIL's and Tumor)	
Lysis	Yes	Optional
Labeling	Optional	Yes, Magnetic
Voltage range	recommended: 12 - 20V	N/A
Sample In/Out Volumes	SAMPLE IN: minimum 500 uL OUT ⊕: 0.7x sample IN OUT ⊖: 2.2x sample IN	SAMPLE IN: minimum 300 uL OUT ⊕: 1 mL OUT ⊖: sample IN + 1.5 mL
Sample Cell Count	Up to 10M/min	Up to 500M cells per run
Speed	0.6-1ml/min	0.5-1ml/min
Supporting buffers	MARS Clean, MARS Wash	MARS Clean, MARS MAG
Key features	No Ficoll, No centrifugation	No Matrix, No centrifugation

LEARN MORE OR BOOK A VIRTUAL DEMO AT
APPLIEDCELLS.COM

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