

THE NEW ASSAY TO ENUMERATE CIRCULATING MULTIPLE MYELOMA CELLS IN BLOOD



The First Non-invasive Tool to Monitor Disease Status in Clinical Research Studies

Menarini Silicon Biosystems' new Circulating Multiple Myeloma Cell (CMMC) Assay captures and enumerates CMMCs from peripheral blood and provides a unique, non-invasive tool to study multiple myeloma and precursor disease states as well as monitor in real-time disease status in clinical research studies.

Leveraging the gold-standard CELLSEARCH® technology, the CMMC Assay immuno magnetically captures CD138+ plasma cells using anti-CD138 antibodies bound to ferrofluid nanoparticles. CMMCs are identified by CD38 staining, and other white blood cells are excluded using a CD19/CD45 staining cocktail.

Assay Reagent	Function
Anti-CD138 Antibody Ferrofluid	Plasma Cell Capture
Anti-CD38-PE Antibody	Inclusion Marker for Plasma Cells
DAPI	Nuclear Dye for Detection of All Cells
Anti-CD19/CD45-APC Antibody Cocktail	Exclusion Marker for non-PC Leukocytes

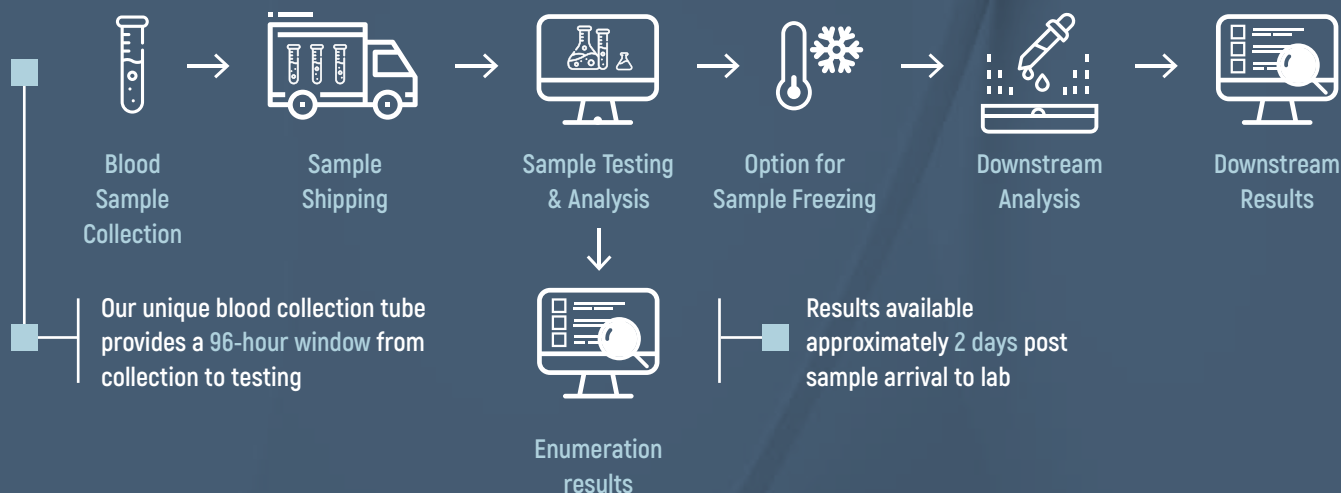
CMMC Phenotype: CD138+, CD38+ and CD45/19-
Multi-epitope & Monoclonal anti-CD38 antibodies:
reduces potential interference from CD38-targeted therapies

UNIQUE ADVANTAGES OF THE CELLSEARCH CMMC ASSAY

- Non-invasive enumeration of Multiple Myeloma cells using a simple blood draw, as opposed to the standard of a painful bone marrow biopsy
- Liquid biopsy assay with high specificity and sensitivity (100-fold increase compared to FACS)
- Cells can be cryopreserved for downstream applications
- Enables real-time monitoring of MM precursor states (such as MGUS and Smoldering Myeloma) and Multiple Myeloma disease progression to investigate disease biology in clinical research studies

OUR GLOBAL LAB SERVICES

We offer highly specialized laboratory testing for pharmaceutical research, CROs and clinical researchers. We are uniquely positioned to support worldwide research efforts via our US laboratory in Huntingdon Valley, PA, USA and our mirror facility in Bologna, Italy.



Ordering information

US code	EU Code	Description
85000045	CLS006	CellSearch CMMC Enumeration Assay

FOR RESEARCH USE ONLY. Not for use in diagnostic procedures. The performance characteristics and safety and effectiveness have not been established and are not cleared or approved by the FDA.

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