

Test Definition: MRDMM

Multiple Myeloma Minimal Residual Disease,
Flow Cytometry, Bone Marrow

Reporting Title: Multiple Myeloma MRD by Flow, BM
Performing Location: Rochester

Ordering Guidance:

This test should be ordered on patients treated for multiple myeloma to confirm remission has been achieved, annual follow-up of those in remission, or in uncertain remission.

This test **should not be ordered** on known relapsing patients or at diagnosis. For these situations or if fluorescence in situ hybridization is requested, order either PCPRO / Plasma Cell DNA Content and Proliferation, Bone Marrow or MSMRT / Mayo Algorithmic Approach for Stratification of Myeloma and Risk-Adapted Therapy Report, Bone Marrow

Shipping Instructions:

It is recommended that specimens arrive within 2 days of collection. Collect and package specimen as close to shipping time as possible.

Necessary Information:

- 1. Include patient's disease state (untreated, treated, monoclonal gammopathy of undetermined significance, stable).
- 2. Indicate if patient is on anti-CD38 therapy.
- 3. Provide Immunofix information if available.

Specimen Requirements:

Specimen Type: Redirected bone marrow

Container/Tube:

Preferred: Yellow top (ACD solution A or B)

Acceptable: Lavender top (EDTA)

Specimen Volume: 4 mL

Forms:

If not ordering electronically, complete, print, and send a [Hematopathology/Cytogenetics Test Request](#) (T726) with the specimen.

Specimen Type	Temperature	Time	Special Container
Bone Marrow	Ambient (preferred)	72 hours	
	Refrigerated	72 hours	

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
CK146	% Minimal Residual Disease (MRD)	Alphanumeric	%	93021-4
CK147	% Normal Plasma Cells (of total PC)	Alphanumeric	%	93020-6
CK148	Non-Aggregate Events	Unknown		38257-2
CK149	Total Plasma Cell Events	Unknown		93019-8
CK150	Poly PC Events	Unknown		93018-0
CK151	Abnormal PC Events	Unknown		93017-2

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CK152	Final Diagnosis	Alphanumeric		74226-2
615796	% B-cell Precursors	Unknown	%	101131-1
615797	% Mast Cells	Unknown	%	101130-3
616082	Validated Assay Sensitivity	Alphanumeric	x10(-5)	101129-5
616083	Lower Limit of Quantitation (LLOQ)	Alphanumeric	x10(-6)	87706-8
615798	Patient / Sample Theoretical LOQ	Alphanumeric	x10(-6)	101128-7

LOINC® and CPT codes are provided by the performing laboratory.

Supplemental Report:

No

CPT Code Information:

- 88184-Flow Cytometry; first cell surface, cytoplasmic or nuclear marker
- 88185 x 9-Flow Cytometry; additional cell surface, cytoplasmic or nuclear marker
- 88188-Flow Cytometry Interpretation, 9 to 15 Markers

Reference Values:

An interpretive report will be provided.