

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

Specimen Minimum Volume:

2 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	
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Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
CK146	% Minimal Residual Disease (MRD) Also used by tests: MRDMM	Alphanumeric	%	93021-4
CK147	% Normal Plasma Cells (of total PC) Also used by tests: MRDMM	Alphanumeric	%	93020-6
CK148	Non-Aggregate Events Also used by tests: MRDMM	Unknown		38257-2
CK149	Total Plasma Cell Events Also used by tests: MRDMM	Unknown		93019-8
CK150	Poly PC Events Also used by tests: MRDMM	Unknown		93018-0
CK151	Abnormal PC Events Also used by tests: MRDMM	Unknown		93017-2
615796	% B-cell Precursors Also used by tests: MRDMM	Unknown	%	101131-1
615797	% Mast Cells Also used by tests: MRDMM	Unknown	%	101130-3
616082	Validated Assay Sensitivity Also used by tests: MRDMM	Alphanumeric	x10 ⁽⁻⁵⁾	101129-5
616083	Lower Limit of Quantitation (LLOQ) Also used by tests: MRDMM	Alphanumeric	x10 ⁽⁻⁶⁾	87706-8
615798	Patient / Sample Theoretical LOQ Also used by tests: MRDMM	Alphanumeric	x10 ⁽⁻⁶⁾	101128-7
CK152	Final Diagnosis	Alphanumeric		74226-2

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.