
Reporting Title: MDS, Specified FISH**Performing Location:** Rochester**Ordering Guidance:**

This test uses targeted myelodysplastic syndrome (MDS) fluorescence in situ hybridization (FISH) probes to evaluate specific abnormalities or abnormalities identified in the diagnostic sample. The FISH probes to be analyzed must be specified on the request, otherwise test processing may be delayed in order to determine the intended analysis. If specific probes are not included with this test order, the test may be canceled and automatically reordered by the laboratory as MDSDF / Myelodysplastic Syndrome (MDS), Diagnostic FISH, Varies.

If the entire MDS FISH panel is preferred, order MDSDF / Myelodysplastic Syndrome (MDS), Diagnostic FISH, Varies.

At diagnosis, conventional cytogenetic studies should be performed. For more information see CHRBM / Chromosome Analysis, Hematologic Disorders, Bone Marrow.

Shipping Instructions:

Advise Express Mail or equivalent if not on courier service.

Necessary Information:

1. A list of probes requested for analysis is required. Probes available for this test are listed in the Testing Algorithm section.
2. A reason for testing should be submitted with each specimen. The laboratory will not reject testing if this information is not provided, but appropriate testing and interpretation may be compromised or delayed. If this information is not provided, an appropriate indication for testing may be entered by Mayo Clinic Laboratories.
3. A pathology and/or flow cytometry report may be requested by the laboratory to optimize testing and aid in interpretation of results.

Specimen Requirements:

Preferred

Specimen Type: Bone marrow

Container/Tube:

Preferred: Yellow top (ACD)

Acceptable: Green top (heparin) or lavender top (EDTA)

Specimen Volume: 2-3 mL

Collection Instructions:

1. It is preferable to send the first aspirate from the bone marrow collection.
2. Invert several times to mix bone marrow.

Acceptable

Specimen Type: Blood

Container/Tube:

Preferred: Yellow top (ACD)

Acceptable: Green top (heparin) or lavender top (EDTA)

Specimen Volume: 6 mL

Collection Instructions: Invert several times to mix blood.

Specimen Minimum Volume:

Blood: 2 mL

Bone Marrow: 1 mL

Forms:

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

Specimen Type	Temperature	Time	Special Container
Varies	Ambient (preferred)		
	Refrigerated		

Ask at Order Entry (AOE) Questions:

Test ID	Question ID	Description	Type	Reportable
MDSMF	GC124	Reason for Referral	Plain Text	Yes
MDSMF	GC125	Probes Requested	Plain Text	Yes
MDSMF	GC126	Specimen: <ul style="list-style-type: none">• Whole blood ACD• Bone marrow ACD• Whole blood Na Hep• Bone marrow Na Hep• Whole blood EDTA• Bone marrow EDTA	Answer List	Yes

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
614289	Result Summary	Alphanumeric		50397-9
614290	Interpretation	Alphanumeric		69965-2
614291	Result Table	Alphanumeric		93356-4
614292	Result	Alphanumeric		62356-1
GC124	Reason for Referral	Alphanumeric		42349-1

Result ID	Reporting Name	Type	Unit	LOINC®
GC125	Probes Requested	Alphanumeric		78040-3
GC126	Specimen	Alphanumeric		31208-2
614293	Source	Alphanumeric		31208-2
614294	Method	Alphanumeric		85069-3
614295	Additional Information	Alphanumeric		48767-8
614296	Disclaimer	Alphanumeric		62364-5
614297	Released By	Alphanumeric		18771-6

LOINC and CPT codes are provided by the performing laboratory.

Supplemental Report:
No**CPT Code Information:**

88271 x2, 88275 x1, 88291 x1- FISH Probe, Analysis, Interpretation; 1 probe set
88271 x2, 88275 x1 - FISH Probe, Analysis; each additional probe set (if appropriate)

Reflex Tests:

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
MDSMB	Probe, Each Additional (MDSMF)			No	No (Bill Only)

Reference Values:

An interpretive report will be provided.