
Reporting Title: Chimerism Transplant Sorted Cells**Performing Location:** Mayo Clinic Laboratories - Rochester Main Campus**Ordering Guidance:**

This test is used to determine the relative amounts of donor and recipient cells in the recipient post-bone marrow transplant specimen. Sorted cell analysis permits more detailed evaluation of chimeric status in T-cell and myeloid cell fractions. For post-bone marrow transplant evaluation of the recipient specimen, see CHIMU / Chimerism Transplant No Cell Sort, Varies

Shipping Instructions:

1. **Specimen must arrive within 4 days of collection.**
2. Collect and package specimen as close to shipping time as possible.

Necessary Information:

Specimen Type is required, either as an answer to the Order Questions or on [Chimerism Analysis Information](#) (T594) if not ordering electronically. **Testing will be delayed if this information is not provided.**

Specimen Requirements:

Submit only 1 of the following specimens:

Specimen Type: Blood

Container/Tube:

Preferred: Lavender top (EDTA)

Acceptable: Yellow top (ACD)

Specimen Volume: 4 mL

Collection Instructions:

1. Only 1 tube is required.
2. Invert several times to mix blood.
3. Label specimen as blood.
4. Send whole blood specimen in original tube. **Do not aliquot.**

Specimen Type: Bone marrow

Container/Tube:

Preferred: Lavender top (EDTA)

Acceptable: Yellow top (ACD)

Specimen Volume: 2 mL

Collection Instructions:

1. Invert several times to mix bone marrow.
2. Label specimen as bone marrow.
3. Send bone marrow specimen in original tube. **Do not aliquot.**

Forms:

1. [Chimerism Analysis Information Sheet](#) (T594)
2. If not ordering electronically, complete, print, and send a [Hematopathology/Cytogenetics Test Request](#) (T726) with the specimen.

Specimen Type	Temperature	Time	Special Container
Varies	Ambient (preferred)	4 days	PURPLE OR PINK TOP/EDTA
	Refrigerated	4 days	PURPLE OR PINK TOP/EDTA

Ask at Order Entry (AOE) Questions:

Test ID	Question ID	Description	Type	Reportable
CHIMS	MP025	Specimen Type	Plain Text	Yes

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
MP025	Specimen Type	Alphanumeric		31208-2
CHIS	Final Diagnosis	Alphanumeric		34574-4

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

Supplemental Report:

No

CPT Code Information:

81268-Chimerism (engraftment) analysis, post hematopoietic stem cell transplantation specimen, includes comparison to previously performed baseline analyses; with cell selection (eg, CD3, CD33), each cell type (if appropriate)

Reflex Tests:

Test Id	Reporting Name	CPT Units	CPT Code	Always Performed	Available Separately
SORT1	Chimerism Cell Sort 1	1	81268	No	No, (Bill Only)
SORT2	Chimerism Cell Sort 2	1	81268	No	No, (Bill Only)

Result Codes for Reflex Tests:

Test ID	Result ID	Reporting Name	Type	Unit	LOINC®
SORT1	SORT1	Chimerism Cell Sort 1	Alphanumeric		No LOINC Needed
SORT2	SORT2	Chimerism Cell Sort 2	Alphanumeric		No LOINC Needed

Reference Values:

An interpretive report will be provided.