
Reporting Title: Chimerism Transplant Sorted Cells**Performing Location:** Rochester**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.

Specimen Minimum Volume:

Blood: 3 mL
Bone marrow: See Specimen Required
Lesser volumes may be acceptable, depending on white cell count.
Call 800-533-1710 or 507-266-5700 with questions.

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 | Orderable Separately |
|---------|-----------------------|-----------|----------|------------------|----------------------|
| SORT1 | Chimerism Cell Sort 1 | | | No | No (Bill Only) |
| SORT2 | Chimerism Cell Sort 2 | | | No | No (Bill Only) |

Reference Values:

An interpretive report will be provided.