

## Osmotic Fragility, Erythrocytes

**Test ID:** FRAG

**Explanation:** Specimen requirements are being updated to include a document outlining the collection and labeling process for the required shipping control.

### New Specimen Required

**Both patient and shipping control specimens are required.**

For complete instructions, refer to [Specimen Collection and Labeling Instructions for Osmotic Fragility Testing of Erythrocytes](#).

#### Shipping Control Specimen

**Specimen Type:** Whole blood (non-patient)

**Container/Tube:** Lavender top (EDTA)

**Specimen Volume:** 4 mL

#### Collection Instructions:

1. Collect a shipping control specimen from a healthy person unrelated to the patient at the same time (or within 4 hours) as the patient specimen.

**Note:** The shipping control specimen can be collected from a phlebotomist, volunteer or another healthy patient.

2. Clearly handwritten "CONTROL" on the outermost label of the tube.

3. Refrigerate (or place on cold gel pack/small amount of wet ice) immediately after collection.

4. Send shipping control in the original tube. **Do not aliquot.**

5. Keep the shipping control and the patient specimens **together**, either rubber banded or in a bag.

#### Additional Information:

1. **The shipping control and patient specimens must be handled identically** from the time of collection through receipt in the testing laboratory.

2. **If the shipping control is not sent with the patient specimen, test cancellation is likely.**

3. The shipping control specimen evaluates whether the patient result has been compromised by handling conditions such as temperature, motion, or other transportation interferences, as temperature and handling extremes can adversely impact the integrity of the specimen.

#### Patient Specimen

**Specimen Type:** Whole blood

**Container/Tube:** Lavender top (EDTA)

**Specimen Volume:** 4 mL

#### Collection Instructions:

1. Collect and label patient specimen.

2. Refrigerate (or place on cold gel pack/small amount of wet ice) specimen immediately after collection.

3. Send whole blood specimen in the original tube. **Do not aliquot.**

4. Keep the shipping control and the patient specimens together, either rubber banded or in a bag.

**Additional Information:** **The shipping control and patient specimens must be handled identically** from the time of collection through receipt in the testing laboratory.

### Questions

Contact Melissa Lonzo, Laboratory Resource Coordinator at 800-533-1710.