**Osmotic Fragility, Erythrocyte**

**ARUP test code: 2002257**

**Osmotic Fragility**

See Note

Patient red blood cells show increased and decreased osmotic fragility. Peripheral blood smear reveals rare spherocytes.

Dimorphic population of red blood cells with subset showing increased osmotic fragility and a subset showing decreased osmotic fragility. These findings are nonspecific, but have been described in thalassemia or can be seen after transfusion.

**Fellow involved:**

This result has been reviewed and approved by Controls were run and performed as expected.

**INTERPRETIVE INFORMATION: Osmotic Fragility**

For patients with acute hemolysis, a normal red cell osmotic fragility test result cannot exclude an osmotic fragility abnormality since the osmotically labile cells may be hemolyzed and not present. Recommend testing during a state of prolonged homeostasis with stable hematocrit.

**VERIFIED/REPORTED DATES**

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**END OF CHART**