

Patient ID SA00141474	Patient Name VALIDATIONTESTING, FRAG	Birth Date 1960-02-02	Gender M	Age 60
Order Number SA00141474	Client Order Number SA00141474	Ordering Physician CLIENT,CLIENT	Report Notes	
Account Information C7028846 DLMP Rochester		Collected 14 Jan 2021 05:00		

Osmotic Fragility, RBC

Osmotic Fragility

Result Name	Value	Unit	Reference Value	Performing Site
 Osmotic Fragility, 0.50 g/dL NaCl	75	%hemol	3–53	MCR
 Osmotic Fragility, 0.60 g/dL NaCl	85	%hemol	14–74	MCR
 Osmotic Fragility, 0.65 g/dL NaCl	60	%hemol	4–40	MCR
 Osmotic Fragility, 0.75 g/dL NaCl	21	%hemol	1–11	 MCR

Osmotic Fragility Comment

MCR

Increased erythrocyte osmotic fragility. These results may be due to spherocytosis of any cause, such as hereditary spherocytosis, immune hemolytic anemia, or may reflect the presence of spherocytes that commonly are observed following blood transfusion. Some cases of congenital nonspherocytic hemolytic anemia may also be associated with increased osmotic fragility in this test. These include congenital hemolytic anemia due to pyruvate kinase deficiency or glucose-6-phosphate dehydrogenase deficiency or unstable hemoglobin hemolytic anemia. Some medications may cause an abnormal osmotic

fragility. Results must be interpreted in the context of other clinical and laboratory data, including examination of close relatives (parents, siblings, children) to determine mode of inheritance, results of Coombs test, and erythrocyte morphology.

EMA binding (band 3 fluorescence staining) flow cytometry testing is available as a component of the RBC Membrane Evaluation (RBCME). If further evaluation for a red cell membrane disorder is desired, please order the RBCME test (unit code 64897). Additional sample required.

Result Name	Value	Unit	Reference Value	Performing Site
Shipping Control Vial	Received			MCR

Received: 14 Jan 2021 13:01

Reported: 14 Jan 2021 13:32

Performing Site Legend

Code	Laboratory	Address	Lab Director	CLIA Certificate
MCR	Mayo Clinic Laboratories - Rochester Main Campus	200 First Street SW, Rochester, MN 55905	William G. Morice M.D. Ph.D	24D0404292

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Test
Environment
EVP Template

Laboratory Notes

- 1 This test was developed and its performance characteristics determined by Mayo Clinic in a manner consistent with CLIA requirements. This test has not been cleared or approved by the U.S. Food and Drug Administration.

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