

|                                                       |                                                 |                                            |                    |                  |
|-------------------------------------------------------|-------------------------------------------------|--------------------------------------------|--------------------|------------------|
| Patient ID<br><b>SA00141472</b>                       | Patient Name<br><b>VALIDATIONTESTING, RBCME</b> | Birth Date<br><b>1970-01-01</b>            | Gender<br><b>F</b> | Age<br><b>51</b> |
| Order Number<br><b>SA00141472</b>                     | Client Order Number<br><b>SA00141472</b>        | Ordering Physician<br><b>CLIENT,CLIENT</b> | Report Notes       |                  |
| Account Information<br><b>C7028846 DLMP Rochester</b> |                                                 | Collected<br><b>13 Jan 2021 10:00</b>      |                    |                  |

## RBC Membrane Evaluation, B

### Osmotic Fragility

| Result Name                       | Value | Unit   | Reference Value | Performing Site |
|-----------------------------------|-------|--------|-----------------|-----------------|
| Osmotic Fragility, 0.50 g/dL NaCl | 21    | %hemol | 3–53            | MCR             |
| Osmotic Fragility, 0.60 g/dL NaCl | 30    | %hemol | 14–74           | MCR             |
| Osmotic Fragility, 0.65 g/dL NaCl | 25    | %hemol | 4–40            | MCR             |
| Osmotic Fragility, 0.75 g/dL NaCl | 2     | %hemol | 1–11            | 1 MCR           |

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

### Spherocytosis Interpretation

MCR

Osmotic fragility testing: Normal lysis  
EMA binding test (Band 3 assay) by flow cytometry: Normal

Interpretation: The osmotic fragility and EMA binding (Band 3) test results are not supportive of a diagnosis of hereditary spherocytosis. No EMA binding features of hereditary pyropoikilocytosis are seen. Non-hemolytic hereditary elliptocytosis cases typically show normal results and these findings do not exclude a red blood cell membrane disorder.

### Reviewed By

MCR

JENNIFER MAIN

| Result Name                                  | Value  | Unit | Reference Value | Performing Site |
|----------------------------------------------|--------|------|-----------------|-----------------|
| Band 3 Fluorescence Staining, RBC            | Normal |      |                 | 1 MCR           |
| REFERENCE VALUE<br>Expected result is normal |        |      |                 |                 |

### Peripheral Blood Smear Review

MCR

Review of blood smear reveals no diagnostic abnormalities of erythrocytes.

Received: 14 Jan 2021 12:49

Reported: 14 Jan 2021 13:34

### 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       |



|                                                |                                          |                                     |              |           |
|------------------------------------------------|------------------------------------------|-------------------------------------|--------------|-----------|
| Patient ID<br>SA00141472                       | Patient Name<br>VALIDATIONTESTING, RBCME | Birth Date<br>1970-01-01            | Gender<br>F  | Age<br>51 |
| Order Number<br>SA00141472                     | Client Order Number<br>SA00141472        | Ordering Physician<br>CLIENT,CLIENT | Report Notes |           |
| Account Information<br>C7028846 DLMP Rochester |                                          | Collected<br>13 Jan 2021 10:00      |              |           |

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.

#### 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       |