

## LAB296 Reticulocyte Panel

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BMC, CRH, LFH, HRK, FOX

### Performing Location(s)

BMC, CRH, LFH, HRK, FOX

### Specimen Type

Whole Blood

### Preferred Container

Lavender top tube

### Alternate Container

Purple top microtainer

### Minimum Volume to Submit for Testing

3.0 mL whole blood

### Transportation Needs

Deliver to the laboratory within 12 hours at room temperature.

If not possible, refrigerate at 2-8° Celsius

### Storage Requirements

Refrigerate up to 24 hours

### Causes for Rejection

Mislabeled or unlabeled specimen

Less than 50% draw for vacutainer tubes

Collection in any tube other than a K2EDTA tube

> 12 hours at room temperature

> 24 hours refrigerated

Clotted specimens

### Reference Values

Population	Relative Reticulocyte (%)	Absolute Reticulocyte (x10 <sup>6</sup> cells/uL)
Newborn – 1 month	3.0 – 7.0	0.12– 0.41
1 month – 5 months	0.1 – 1.7	0.0 – 0.12
5 months – 2 years	0.7 – 2.3	0.04 – 0.12
2 years – 12 years	0.5 – 1.0	0.04 – 0.06
> 12 years	0.6 – 2.3	0.04 – 0.12
<b>Note:</b> The reticulocyte count is not a reliable marker for marrow response to anemia after blood product transfusion (3 units) within the last 3 months.		

All Populations	Reticulocyte Hemoglobin Equivalent	30.8-36.6 pg
All Populations	Immature Reticulocyte Fraction	2.3-15.9 %

#### RPI Reference Comment

An RPI >3 shows a normal marrow response to anemia.

An RPI <2 is an inadequate response to anemia.

A normal H&H, and RPI of 1 is Normal.

#### **Available STAT**

Yes

#### **Methodology**

Flow cytometry

#### **CPT Code**

85045