

Reporting Title: Reticulocyte Profile, B

Performing Location: Rochester

Specimen Requirements:

Container/Tube: Lavender top (EDTA)

Specimen Volume: 3 mL

Collection Instructions: Send whole blood specimen in original tube. Do not aliquot.

Forms:

[If not ordering electronically, complete, print, and send a Benign Hematology Test Request](#) (T755) with the specimen.

| Specimen Type    | Temperature              | Time     | Special Container |
|------------------|--------------------------|----------|-------------------|
| Whole Blood EDTA | Refrigerated (preferred) | 48 hours |                   |
|                  | Ambient                  | 24 hours |                   |

Result Codes:

| Result ID | Reporting Name          | Type    | Unit      | LOINC®  |
|-----------|-------------------------|---------|-----------|---------|
| RBC       | Erythrocytes            | Numeric | x10(12)/L | 789-8   |
| PRTIC     | Reticulocytes, B        | Numeric | %         | 17849-1 |
| ARTIC     | Absolute Reticulocyte   | Numeric | x10(9)/L  | 60474-4 |
| IRF1      | Immature Retic Fraction | Numeric | %         | 33516-6 |
| RETHB     | Reticulocyte Hemoglobin | Numeric | pg        | 71694-4 |

LOINC® and CPT codes are provided by the performing laboratory.

Supplemental Report:

No

CPT Code Information:

85046

Reference Values:

% RETICULOCYTES

1-3 days: 3.47-5.40%

4 days-4 weeks: 1.06-2.37%

5 weeks-7 weeks: 2.12-3.47%

8 weeks-5 months: 1.55-2.70%

6 months-23 months: 0.99-1.82%

24 months-5 years: 0.82-1.45%

6-11 years: 0.98-1.94%

12-17 years: 0.90-1.49%

Adults: 0.60-2.71%

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**ABSOLUTE RETICULOCYTES**

1-3 days: 147.5-216.4 x 10(9)/L  
4 days-4 weeks: 51.3-110.4 x 10(9)/L  
5 weeks-7 weeks: 51.8-77.9 x 10(9)/L  
8 weeks-5 months: 48.2-88.2 x 10(9)/L  
6 months-23 months: 43.5-111.1 x 10(9)/L  
24 months-5 years: 36.4-68.0 x 10(9)/L  
6-11 years: 42.4-70.2 x 10(9)/L  
12-17 years: 41.6-65.1 x 10(9)/L  
Adults: 30.4-110.9 x 10(9)/L

**IMMATURE RETICULOCYTE FRACTION (IRF)**

1-3 days: 30.5-35.1%  
4 days-1 month: 14.5-24.6%  
1-2 months: 19.1-28.9%  
3-5 months: 13.4-23.3%  
6 months-<2 years: 11.4-25.8%  
2-<6 years: 8.4-21.7%  
6-<12 years: 8.9-24.1%  
12-<18 years: 9.0-18.7%  
Female-> or = 18 years: 3.0-15.9%  
Male- > or = 18 years: 2.3-13.4%

**RETICULOCYTE HEMOGLOBIN****Males:**

1 day-5 months: 27.6-38.7 pg  
6 months-<2 years: 28.7-35.7 pg  
2-<6 years: 27.7-37.8 pg  
6-<12 years: 32.4-37.6 pg  
12-<18 years: 30.0-37.6 pg  
Adults: 30.0-37.6 pg

**Females:**

1 day-5 months: 29.2-37.5 pg  
6 months-<2 years: 30.1-35.7 pg  
2-<6 years: 29.3-37.3 pg  
6-<12 years: 30.4-39.7 pg  
12-<18 years: 30.0-37.6 pg  
Adults: 30.0-37.6 pg

**RED BLOOD CELL COUNT (RBC)****Males:**

0-14 days: 4.10-5.55 x 10(12)/L  
15 days-4 weeks: 3.16-4.63 x 10(12)/L  
5 weeks-7 weeks: 3.02-4.22 x 10(12)/L

8 weeks-5 months: 3.43-4.80 x 10(12)/L  
6 months-23 months: 4.03-5.07 x 10(12)/L  
24 months-35 months: 3.89-4.97 x 10(12)/L  
3-5 years: 4.00-5.10 x 10(12)/L  
6-10 years: 4.10-5.20 x 10(12)/L  
11-14 years: 4.20-5.30 x 10(12)/L  
15-17 years: 4.30-5.70 x 10(12)/L  
Adults: 4.35-5.65 x 10(12)/L

Females:  
0-14 days: 4.12-5.74 x 10(12)/L  
15 days-4 weeks: 3.32-4.80 x 10(12)/L  
5 weeks-7 weeks: 2.93-3.87 x 10(12)/L  
8 weeks-5 months: 3.45-4.75 x 10(12)/L  
6 months-23 months: 3.97-5.01 x 10(12)/L  
24 months-35 months: 3.84-4.92 x 10(12)/L  
3-5 years: 4.00-5.10 x 10(12)/L  
6-10 years: 4.10-5.20 x 10(12)/L  
11-14 years: 4.10-5.10 x 10(12)/L  
15-17 years: 3.80-5.00 x 10(12)/L  
Adults: 3.92-5.13 x 10(12)/L