

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	Ambient	24 hours	
	Refrigerated (preferred)	48 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%

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-4 weeks: 14.5-24.6%
5 weeks-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%
> or = 18 years:
Female: 3.0-15.9%
Male: 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: $3.02-4.22 \times 10(12)/L$
8 weeks-5 months: $3.43-4.80 \times 10(12)/L$
6 months-23 months: $4.03-5.07 \times 10(12)/L$
24 months-35 months: $3.89-4.97 \times 10(12)/L$
3-5 years: $4.00-5.10 \times 10(12)/L$
6-10 years: $4.10-5.20 \times 10(12)/L$
11-14 years: $4.20-5.30 \times 10(12)/L$
15-17 years: $4.30-5.70 \times 10(12)/L$
Adults: $4.35-5.65 \times 10(12)/L$

Females:

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