

Reticulocytes, Blood

Test ID: RTIC

Explanation:

On the effective date, RTIC will become obsolete. The recommended alternative test is listed below.

Recommended Alternative Test:

Reticulocyte Profile, Blood

Test ID: RETB

Methodology:

Flow Cytometry

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 10⁹/L

4 days-4 weeks: 51.3-110.4 x 10⁹/L

5 weeks-7 weeks: 51.8-77.9 x 10⁹/L

8 weeks-5 months: 48.2-88.2 x 10⁹/L

6 months-23 months: 43.5-111.1 x 10⁹/L

24 months-5 years: 36.4-68.0 x 10⁹/L

6-11 years: 42.4-70.2 x 10⁹/L

12-17 years: 41.6-65.1 x 10⁹/L

Adults: 30.4-110.9 x 10⁹/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: $4.10-5.55 \times 10^{12}/L$

15 days-4 weeks: $3.16-4.63 \times 10^{12}/L$

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: $4.12\text{--}5.74 \times 10^{12}/\text{L}$

15 days-4 weeks: $3.32\text{--}4.80 \times 10^{12}/\text{L}$

5 weeks-7 weeks: $2.93\text{--}3.87 \times 10^{12}/\text{L}$

8 weeks-5 months: $3.45\text{--}4.75 \times 10^{12}/\text{L}$

6 months-23 months: $3.97\text{--}5.01 \times 10^{12}/\text{L}$

24 months-35 months: $3.84\text{--}4.92 \times 10^{12}/\text{L}$

3-5 years: $4.00\text{--}5.10 \times 10^{12}/\text{L}$

6-10 years: $4.10\text{--}5.20 \times 10^{12}/\text{L}$

11-14 years: $4.10\text{--}5.10 \times 10^{12}/\text{L}$

15-17 years: $3.80\text{--}5.00 \times 10^{12}/\text{L}$

Adults: $3.92\text{--}5.13 \times 10^{12}/\text{L}$

Specimen Requirements:

Container/Tube: Lavender top (EDTA)

Specimen Volume: 3 mL

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

Minimum Volume: 0.5 mL

Specimen Stability Information:

Specimen Type	Temperature	Time
Whole Blood EDTA	Refrigerated (preferred)	48 hours
	Ambient	24 hours

CPT Code:

85046

Day(s) Performed: Monday through Sunday

Report Available: 1 to 3 days

Questions

Contact Nancy Benson, Laboratory Resource Coordinator at 800-533-1710.