

PRODUCT CODE
GP015
APPLICATION

Counting RBC by visual means using Neubauer Counting Chamber.

REAGENT COMPOSITION

Tri Sodium Citrate 2%
 Formalin 35-40% 1%

REAGENT PREPARATION

The reagent is ready to use.

REAGENT STORAGE AND STABILITY

The reagent is stable up to the stated expiry date when stored at 15-25° C.
 Keep tightly closed to prevent air oxidation.

PROCEDURE

Make a 1:200 dilution of blood in RBC Diluting Fluid Solution. Mix the diluted blood in a mechanical mixer or by hand for at least 2 minutes by tilting the tube through an angle of about 120 ° combined with rotation.

Fill a clean dry Neubauer Counting Chamber with this suspension and wait for at least 2 minutes for the cells to settle, but not much longer time. Then examine under microscope with the 4 mm objective and x6 or x10 eye-pieces. It is important to count as many cells as possible for the accuracy of the count.















CALCULATION

$$\text{Red-cell Count/l} = \frac{\text{Number of cells counted}}{\text{Volume counted } (\mu\text{L})} \times \text{dilution} \times 10^6$$

RANGE

Men : 5.5 ± 1.0 x 10¹² /l
 Women : 4.8 ± 1.0 x 10¹² /l

SYMBOLS ON LABELS

Symbols	Signify	Symbols	Signify
	Catalogue Number		Pack Size
	Expiry Date		Volume
	Storage Condition		Lot Number
	Instruction for Use		In Vitro Diagnostics
	Manufacturing Date		Manufacturer
	Number of Tests		For Single Use Only
	EC Representative		European conformity

BIBLIOGRAPHY

Text book of Medical Laboratory Technology; Praful B.Godkar