PALATELETS DILUTING FLUID

PRODUCT CODE
GP012

APPLICATION
The Platelets Diluting Fluid is used to examine Platelets which appear as highly refractile particles after the RBC are lysed when observed under microscope. The Crescent Diagnostics diluting fluid gives correct and consistent results even the platelets count is low.

REAGENT COMPOSITION

Ammonium oxalate	1.2%
Deionized water	100 mL

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 2-8° C.

PROCEDURE
Blood is drawn by dry syringe and the requisite amount is delivered into vessel containing di potassium EDTA and mixed gently at once. Dilution may be done even after 3 to 4 hours.

Then make 1 in 100 dilution of the blood in the Platelets Diluting Fluid by adding 0.02 mL of blood to 2 ml of diluents in a clean glass tube provided with a tightly fitted rubber bung. After mixing proceed to count as follows,

Fill a Neubauer counting chamber with this suspension and wait for at least 20 minutes to give time for platelets to settle. Then examine under microscope with the 4mm objective and X6 or X10 eye-piece. Platelets appear as highly refractile particles. The number of platelets in one or more areas of 1 sq.mm is counted.

CALCULATION
If N be the number of platelets in an area of 1 sq.mm (contained in a space of 0.1 c.mm volume) the number of platelets per c.mm = N X10 X 100(dilution) = N X 1000.

RANGE
Platelet count: 150 – 400 X 10^9/l

SYMBOLS ON LABELS

Symbols	Signify	Symbols	Signify
REF	Catalogue Number	SIZE	Pack Size
	Expiry Date	VOL	Volume
	Storage Condition	LOT	Lot Number
	Instruction for Use	IVD	In Vitro Diagnostics
	Manufacturing Date		Manufacturer
	Number of Tests	2	For Single Use Only
EC REP	EC Representative	CE	European conformity

BIBILOGRAPHY
Text book of Medical Laboratory Technology; Praful B.Godkar

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