SEMEN DILUTING FLUID

PRODUCT CODE
GP016

Principle:
Semen Diluting Fluid is used to count number of spermatozoa. Counting of the spermatozoa and calculation Of their numbers are done in case of leucocytes (WBC).

Reagent composition:
Sodium hydrogen carbonate 5%
Formalin 1.03%

Reagent preparation:
Ready to use solution for diluting semen for sperm count.

Reagent storage and stability:
The reagent is stable up to the stated expiry date when stored at 15-25ºC

Procedure:
After self-liquefaction which takes 15-30 minutes, gently mix the semen. Draw semen to the 0.5 mark of W.B.C. pipette and draw in the special semen diluting fluid to the 11 mark and mix well.
Fill the Neubauer counting chamber, allow the spermatozoa to settle and then count in the 4 corner squares, as in a W.B.C. count. The formula for calculation is similar to the W.B.C. formula, except that we report the sperm count per c.c. (ml), instead of per cu.mm, so an additional multiplication of 1000 is added.

Calculation:

$$\text{Sperm/cc} = \frac{N \times 10 \times 20 \times 1000}{4}$$

Expected Values:
The normal sperm count is between 60,000,000-150,000,000/cc. patients with sperm count below 60,000,000/cc have definitely low count, though they may still be fertile.

SYMBOL ON LABEL

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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