

# SEMEN DILUTING FLUID

PRODUCT CODE – OT -18



## INSTRUCTIONS FOR USE

### INTENDED USE: Diluting Fluid for Semen.

#### SUMMARY AND EXPLANATION

It is used as diluting fluid for semen specimens to count sperms.

#### PRINCIPLE

The importance of semen analysis as an evaluation tool for male infertility. Semen composed of the fluid part ( seminal plasma) and cellular part (sperms). This fluid is used for diluting semen without affecting the structure of sperms .

#### REAGENTS

Semen Diluting Fluid                      Sodium Bicarbonate  
Phenol

#### PRECAUTIONS

This product is for in Vitro diagnostics use and should be used by properly trained individuals. Precautions should be taken against the dangers of microbiological hazards by properly sterilizing specimens, containers and media after use. Directions should be read and followed carefully.

#### STORAGE

Store product in its original container at room temperature until used. Keep container tightly closed during storage.

#### PRODUCT DETERIORATION

This product should not be used if:

1. The color has changed.
2. The expiration date has passed.
3. There are other signs of deterioration.

#### MATERIALS REQUIRED BUT NOT SUPPLIED

1. Counting Chamber.
2. Micro Pipette.
3. Microscope with oil immersion lens.

#### SPECIMEN COLLECTION AND PREPARTION

**SPECIMAN COLLECTION :** Semen

#### Special instructions :

.It should be collected in a plastic or glass container , or in a special type of condom known as a collection condom or through masturbation. It should be performed after a 48- 72hr absence of sexual activity so it contains an accurate account of sperm count and viability.

The specimen should arrive at the laboratory as soon after collection as possible so that an accurate Liquefaction time can be reported.

During transportation it should be kept near body temperature. The patient should be asked if any of the sample is lost since the highest concentration of sperm is in the first part of ejaculation.

**REAGENT PREPARATION: The reagent is Ready-To-Use.**

#### PROCEDURE

1. Dilute 10 µl semen with 190 µl of semen diluting fluid.
2. Wipe the tip of the pipette, clean with a piece of dry gauge.
3. Fill the counting chamber and allow the semen to settle for 2- 3 minutes.
4. Count sperms in all 4 "W" marked corner squares.

#### RESULTS AND INTERPRETATION

Sperms/ml of semen =  $\frac{\text{Sperm counted in four squares} \times 10 \times 20 \times 1000}{4}$

#### QUALITY CONTROL

All lot numbers Semen Diluting Fluid have been tested and found to be acceptable. The patient sample can serve as quality control to verify the efficacy of the reagents.

#### BIBLIOGRAPHY

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

#### SYMBOLS:



Read Instruction for use



In Vitro Diagnostic Use Only



Manufactured by



Expiry Date



Storage Temperature

ANAMOL LABORATORIES PVT. LTD.  
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ISO 9001 : 2015  
ISO 13485 : 2003  
GMP  
CE