

Sperm Diluent (Counting Solution)

Cat #: A-CSH515

Size: 100mL

Storage: Room temperature (12 months)

Product Description

The principle of the Sperm Dilution Solution (Counting Solution) is to dilute the semen with the dilution solution by a certain multiple, fill it into a counting chamber, and count the number of sperm within a certain volume under a microscope. The sperm count per milliliter of semen is then calculated. This dilution solution is intended for research purposes only and is not suitable for clinical diagnosis or other purposes.

Usage

1. Take a clean small test tube and add the sperm dilution solution. Then add liquefied semen to the dilution solution and mix well.
2. Drop the mixture into the improved Neubauer hemocytometer counting chamber and let it stand for 1-2 minutes. After the sperm settles, count the sperm using the heads as a reference.
3. If the number of sperm in each central square is <10, count the sperm in all 25 squares. If the number of sperm in each central square is between 10 and 40, count the sperm in 10 squares. If the number of sperm in each central square is >40, count the sperm in 5 squares.

Calculation:

Sperm count = (Counting result / Number of squares counted) × (1 / Number of squares counted) × 20 × 10⁵/ml.

Notes

1. Avoid sexual intercourse 3-7 days before collecting semen. After collecting the semen sample, it should be examined within 1 hour.
2. In case of an abnormal result, recheck after a one-week interval. Repeat the examination 2-3 times to obtain a more

accurate result.

3. If no sperm is observed under low-power and high-power microscopy, centrifuge the semen and examine the sediment on a slide. If no sperm is observed in both examinations, report it as "azoospermia" (absence of sperm).

Disclaimer

For your safety and health, please wear a lab coat and disposable gloves while handling.