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Universal Sperm Dilution Buffer

Product Number: BF010

Shipping and Storage

Stored at room temperature, valid for one year.

Components

Component	BF010-100mL	Storage
Sperm diluent (counting solution)	100mL	RT

Description

The principle of action of sperm diluent (counting solution) is to dilute the diluent with semen at a certain multiple, fill it into a counting cell, and count the number of sperm in a certain volume under a phase contrast microscope, and convert it to calculate the number of sperm per milliliter of semen. This diluent is only suitable for scientific research and is not suitable for clinical diagnosis or other purposes.

Protocol

1. Take a clean small test tube, add sperm diluent, and then take liquefied semen and add it to the diluent, mix thoroughly.
2. Drip into the improved Neubauer blood cell counting pool, let it stand for 1-2 minutes, wait for the sperm to sink, and count based on the sperm head.
3. If the number of sperm in each central square is less than 10, the number of sperm in all 25 squares should be counted; If the number of sperm in each central square is between 10-40, the number of sperm in 10 squares should be counted; If the number of sperm in each central square is greater than 40, the number of sperm in 5 squares should be counted.
4. Calculation: Sperm count=(counting result/square grid count) × (1/square grid count) × 20 × 10^5/mL.

Note

1. Sexual activity should be avoided 3-7 days before collecting semen, and after collecting semen samples, they should be examined within 1 hour.
2. If an abnormal result occurs, it should be rechecked after one week and repeated 2-3 times to obtain a more accurate result.
3. If there is no sperm in both low and high magnification examinations, the semen should be centrifuged and precipitated before smear examination. If there is no sperm in both examinations, it should be reported as' no sperm '.