

CFT-9200 Spermatozoon and Microorganism Examination

Analysis System

The instrument, consisting of a microscope, a pick-up head and a computer, provides a sperm and microorganism detecting and analyzing system. With the help of the microscope camera, the computer can analyze the sperm (or microorganism) speed and motion trajectory rapidly in multi visual fields. Parameters such as sperm density, sperm motility and sperm vigor can also be recorded. The instrument is widely used in urological department, andriatics , department of obstetrics and gynecology(test tube baby), family planning, prenatal and postnatal care and in some other professional domains such as the studies of biology, endangered species of animals, pasturage artificial propagation and artificial insemination.

Instrument characteristics:

1. The dynamitic and static parameters such as moving speed and density, can be detected rapidly and accurately, and then be shown in the form of the motion trajectory and earlier trajectory.

Impurities can be filtered out to ensure the precision of the examination.

2. Noninvasive sampling tanks are applied to ensure the natural sperm moving and monolayer sampling.

3. Device with constant temperature and dustproof functions is used to protect the examination from the outside interference.

4. The visual interface is convenient for direct and careful observation.

Strong software functions include: full examination of the sperm, detection of abnormalities and various pathogenic microorganisms. Case history can be stored in the power function computer, ready for call, print and software input.

5. The system provides the biochemical analysis report of the sperm or a static examination software package, facilitating visual analysis, printing and storage.

Instrument specification

1. Sampling image number of sperm or microorganism: ≥ 500
2. The linear moving speed range of testing samples: 0~100 $\mu\text{m/s}$ in average.
3. The diameter of testing samples: $\geq 2\mu\text{m}$
4. Sampling and analysis time: $\geq 30\text{s}$
5. The sampling image group number: 1~10
6. The number of sampling frames: 1~50

Configuration standard:

1. Computer: Celeron CPU 2.4GHz or higher (or brand computer with similar function) RAM $\geq 1\text{G}$, Hard disk $\geq 160\text{GB}$

2. Display: 17-inch LCD
3. Printer: color ink-jet printer of EPSON or HP
4. Camera: resolution $\geq 420\text{TVL}$, signal-to-noise $\geq 50\text{Db}$
5. Microscope: Upgraded brand microscope, a trinocular optical microscope, eyepiece magnification: 10x, 16x; Lens magnification: 10x, 20x, 40x, 100x
6. Luxurious trolley

Options:

Counting Chamber

Incubation Area

Incubator



CFT-9200 Spermatozoon and Microorganism Examination Analysis System