Henan Forever Medical Co.ltd

YJ-200A veterinary Laptop Sperm Quality Analyzer

1. Apparatus Introduction

Intelligent product used in modern reproductive medicine with the combination of computer image processing technology and advanced artificial intelligence technology. It can be used for automatic identification of sperm and automatic tracking of sperm movement fast, finish the analysis for a number of parameters in conformity with the WHO international standards and take comprehensive quantitative analysis of sperm activity and static characteristics.

2.Main function:

Curvilinear motion, linear motion, the average path;

Sperm velocity classification statistics to live before a Class A rapid rate, slow to live before the b-class rate, c-class movement rate to non-pre-, d-level slow;

The main test items: other component of animal sperm, mixing abnormal sperm count, abnormal sperm count, abnormal sperm, sperm appearance;

Allowable number of sample collection (a) 1-2000 (or more), the detection rate range (um / s) 0-200;

Capture several images (frames) 0-75, resolution particle diameter (um) 1-10;

Analysis of the acquisition time (sec) 1-5 or more (the size of the computer memory), the number of groups of image acquisition (group) 100.

3.Vitality (Motility) analysis:

Analysis can save images to facilitate the future; sperm can quickly generate accurate illustrations, precise analysis of kinetic parameters of the trajectory of a single sperm and sperm motility;

VAP: average rate;

VCL: track speed;

VSL: straight rate

ALH: Head swing frequency;

BCF: Flogging frequency;

LIN: linear (VSL / VCL);

STR: straight Index;
WOB: Vibration Index.

4.Concentration analysis:
According to WHO standard, it can be detect sperm concentration automatically, quickly and accurately;
Sperm per milliliter concentration and overall density (M / ML);
Total static number of sperm (Type D);
Forward movement of sperm count (Type A + B);
The total number of sperm movement (Type A + B + C);

5.Software Features:
Windows 10, Chinese-English change interface.
Medical dedicated capture card supports a single field, single frame, continuous field, collecting a continuous frame.
The software has a high resolution image capture, image processing, interface driver software automatically sperm static and dynamic analysis of statistical software, sperm deformity analysis and other components of semen analysis software, capable of visual analysis, diverse query, modify, statistics, store and print test reporting and other functions.

6.Standard Configuration:
. Laptop: 1set
. Camera : 1set:
. Binocular Microscope: 1set
. Sperm Analysis software: 1pc
. Sperm counting slide: 1set
. User Manual: 1pc