

Sperm Analysis Imaging System

What is SAIS?

Sperm Analysis Imaging System known as CASA (Computer Aided Sperm Analyzer) analyzes all kinds of including human, boar, bull, rat and dog etc. The special functions of SAIS are motility and morphology



Who use SAIS?

Sterility Clinical center
Srerility Research Center
University
Hospital
Veterinary Clinical Center
Animal Husbandry
Research Center
Toxicity Research Center
Oriental Medicine Center
Pharmanceutical Company

Why do you need SAIS?

- To increase patients' reliability by providing objective materials
- To satisfy patients needs with easily understandable results
- To differentiate your hospital service with high technology



Sperm
Collection



Liquefaction
or warming



Test Tube



Mixing



Drop 10 um
Makler chamber



Microscope



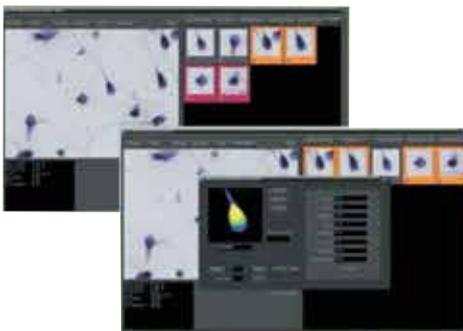
Analysis

Sperm Concentration and Motility :-



1. User friendly menu based on windows application program (easy to use).
2. Real time evaluation of live sperm cells by a high resolution CMOS camera.
3. Counted numbers of cells and fields determined by users.
4. Simultaneous display of live image and analyzed data on the monitor.
5. Estimation of each sperm's moving pattern and velocity.
6. Various analyzed data.
7. Save and replay of sperm cells' live image
8. Fast analysis speed (2 sec/400 cells)
9. Veterinary application (option)

Sperm Cell Morphology (Option) :-



1. Accurate analysis of morphology by high technology.
2. Classification of stained sperm cells for morphology.
3. Improved analysis speed (2 sec/10 cells).
4. Report of the statistic data (normal, abnormal and border line).
5. Magnification of each sperm cell for optimal morphology analysis.
6. Application to high tech filtering method.
7. Veterinary application (option).

Specifications :-

PC Requirement

CPU	Inter core 2 duo processor T8100(2.10Ghz) or equivalent
O/S	Windows XP or Vista
Chipset	Intel 965 Express chipset or over
System BUS	800MHZ or over
RAM	2GB RAM or over
HDD	160GB or over
ODD	DVD R/W Drive or Equivalence
VGA	Nvidia Geforce 6600 or over
Monitor	17" TFT wide LCD (1440X900) or over
Interface	Mouse, 106 Keyboard

Camera Requirement

Resolution	640 x 480 Pixels
Frame	30 frame

Accessory

Chamber

PC Requirement

Frame	Olympus Cx31 ~ BX51TF or equivalent
Contrast	Optics and phase - Contrast U plan phase apochromat objective 10x/0.30, W.D1.6, or equivalent
Lens	U plan phase apochromat objective 20x/0.50, W.D0.51 (Spring) or equivalent U plan phase apochromat objective 100x/1.30, W.D0.2 (Spring Oil) or equivalent
ETC	C-Mount condenser, B/W, W/B filter or equivalent

Support & Services

HPLC Servicing, Validation, Trainings and Preventive Maintenance :-

- HPLC Servicing :We have team of service engineers who can attend to any make of HPLC promptly @the most affordable cost.
- Trainings :We also take up preventive Maintenance to reduce downtime of HPLC's
- AMC's/CMC :We offer user training both in-House and at customer sites on HPLC principles, operations, troubleshooting.
- Validations :We have protocols for carrying out periodic Validations as per GLP/GMP/U SFDA norms
- Instruments :We offer instruments / Renting Services Modules like pumps, detector etc. on Rent.



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Flash Chromatograph



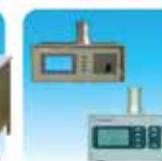
Atomic Absorption Spectrophotometer



Liquid Partical Counter



Optical Emission Spectrophotometer



DSC/TGA



NOVA 2020 plus Automated Bio Chemistry Analyzer



HEMA 2020 Hematology Analyzer



Micro Plate Reader/Washer



URINOVA 2800 Urine Analyzer



Total Organic Carbon



Fully Automated CLIA



NOVA Basic Semi -Auto Chemistry Analyzer



PCR/Gradient PCR/ RTPCR



Blood Gas Analyzer



Random access Analyzer for immunoassay Proteins & clinical chemistry



Semen Analyzer



Water purification system

▶▶▶ Regulatory compliances



▶▶▶ Corporate Social Responsibility

Analytical Foundation is a nonprofit organization (NGO) found for the purpose of:

1. Research & Innovation Scientist's awards / QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various fields of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at Info@analyticalfoundation.org



Analytical Foundation

2. Improving quality of life by offering YOGA Training courses, Work shops / Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds, souls and body by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Comps etc.

▶▶▶ Reach us @



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