

# **SAIS**

## **Sperm Analysis Imaging System (CASA)**

### **CASA 3050**

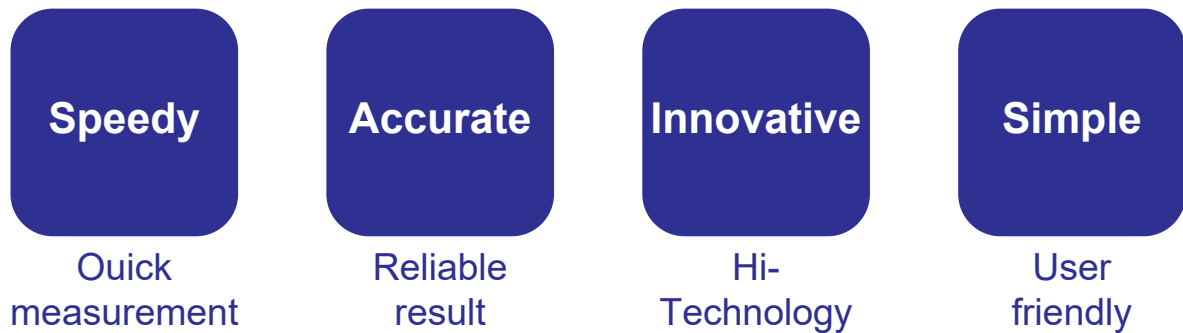


EPC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

**Analytical Technologies Limited**

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## ►► What is SAIS?

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

## ►► Who use SAIS?

- Sterility Clinical Center
- Sterility Research Center
- University
- Hospital
- Veterinary Clinical Center
- Animal Husbandry Research Center
- Toxicity Research Center
- Oriental Medicine Center
- Pharmaceutical Company

## ►► Why do you need SAIS?

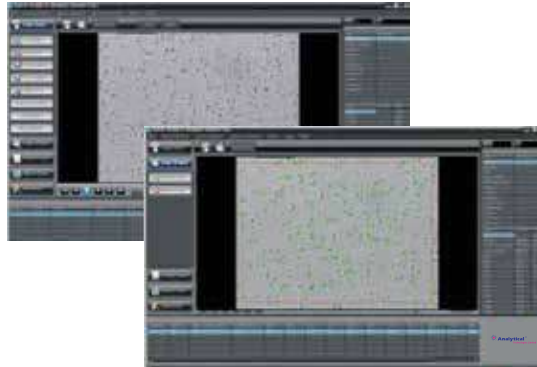
- To increase patients' reliability by providing objective materials
- To satisfy patients needs with easily understandable results
- To differentiate your hospital service with high technology

## ►► Analysis Procedure

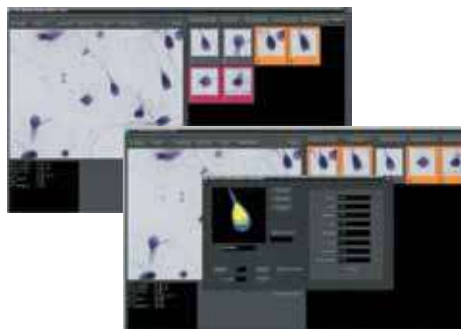


## SAIS Sperm Analysis Imaging System (CASA) Minimum

### ►► Sperm Concentration and Motility



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



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

## ►► Scope of Supply



PC



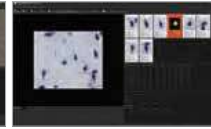
Camera



Makler Chamber



Motility



Morphology

Software



Microscope(Optional)

## ►► Specifications

PC Requirement	
CPU	Intel 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 E/W Drive or Equivalence
VGA	Nvidia Geforce 6600 or over
Monitor	17 TFT wide LCD (1440x900) or over
Interface	Mouse, 106 Keyboard
Microscope Requirement	
Frame	Olympus Cx31 ~ BX51TF or equivalent
Contrast	Optics and phase - contrast
Lens	U plan Phase apochromat objective 10x/0.30, W.D1.6, or equivalent
	U plan Phase apochromat objective 20x/0.50, (Spring) or equivalent
	U plan Phase apochromat objective 100x/1.30, (Spring, oil) or equivalent
ETC	C-Mount condenser, B/W, W/B Filter or equivalent
Camera Requirement	
Resolution	640 x 480 Pixels
Frame	30 frame
Accessory	
Chamber	

## ►► 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 Trainings.
- AMC's/CMC : We offer user training both in-House and at customer sites on PLC 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.



## ►► About Analytical Technologies

Analytical Technologies is synonymous for offering technologies for doing analysis and is the Fastest Growing Global Brand having presence in at least 96 countries across the globe. Analytical Technologies Limited is an ISO :9001 Certified Company engaged in Designing, Manufaturing, Marketing & providing Services for the Analytical, Chromatography, Spectroscopy, Bio Technology, Bio Medical, Clinical Diagnostics, Material Science & General Laboratory Instrumentation. Analytical Technologies, India has across the Country operations with at least 4 Regional Offices, 6 Branch Offices & Service Centers. Distributors & Channel partners worldwide.

## ►► Our Products & Technologies



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Infra FTIR



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Chromatograph  
3007



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Chromatograph  
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Flash  
Chromatograph



Atomic Absorption  
Spectrophotometer



Liquid Partical  
Counter



Optical Emission  
Spectrophotometer



DSC/TGA



Semi Auto Bio  
Chemistry Analyzer



HEMA 2062  
Hematology  
Analyzer



Micro Plate  
Reader/Washer



URINOVA 2800  
Urine Analyzer



Total Organic  
Carbon 3800



Fully Automated  
CLIA



NOVA-2100  
Chemistry Analyzer



PCR/Gradient PCR/  
RTPCR



TOC  
Analyzer



Laser Particle  
Size Analyzer



Ion Chromatograph



Water purification  
system



## ►►► Regulatory compliances



## ►►► Corporate Social Responsibility

Analytical Foundation is a Nonprofit Organization (NGO) found for the purpose of:



# Analytical Foundation

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 field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at [info@analyticalfoundation.org](mailto:info@analyticalfoundation.org)

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, Camps etc.

4. buy our products and be a part of social cost of analytical foundation.

## ►►► Reach us @



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