

Introduction:

- Intelligent CASA is a system designed to provide objective quantitative analysis of human semen sample following criteria established by World Health Organization (W.H.O.), about motility, concentration and morphology.

System Components:

- Laptop or All in one PC includes Intelligent CASA Software
- Trinocular microscope
- Intelligent CASA Camera
- Color Printer (Optional)
- Accessories

Motility and Concentration:

- Intelligent CASA determine spermatozoa concentration million/ml classify spermatozoa movement parameter into Progressive, Non progressive and Immotile
- Measure spermatozoa motion parameter : VCL, VAP, VSL, STR, LIN, WOB.

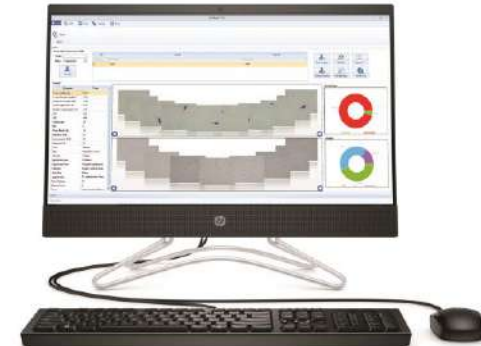
Morphology:

- Intelligent CASA designed to determine spermatozoa morphological parameters.
- Intelligent CASA can automatically calculate TZI, MAI & SDI.

Features and specification:

- Intelligent CASA save the user time by providing fast and accurate results.
- Intelligent CASA provides high technology with low cost.
- The software able to automatically add appropriate comments according to results.
- The database enables to generate smart and statistical reports.
- The database enable user to backup and restore patient data.
- The software provides burning patient result on CDs.
- Intelligent CASA in general is user friendly.

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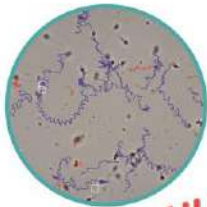
Intelligent CASA

COMPUTER ASSISTED SEMEN ANALYSIS

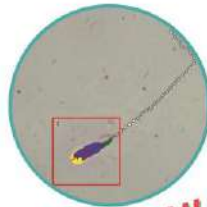
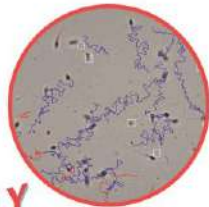
Delta Care For Medical Supplies

01010060298 - 01210629090

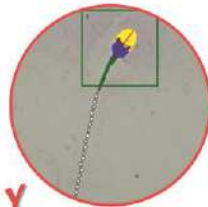
www.delta-care.com



**FULLY
AUTOMATED
MOTILITY
SYSTEM**



**FULLY
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MORPHOLOGY
SYSTEM**





FULLY AUTOMATED MOTILITY SYSTEM

Sperm Distribution

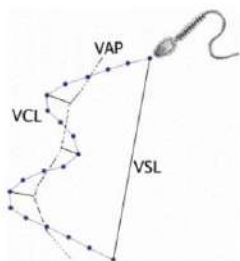
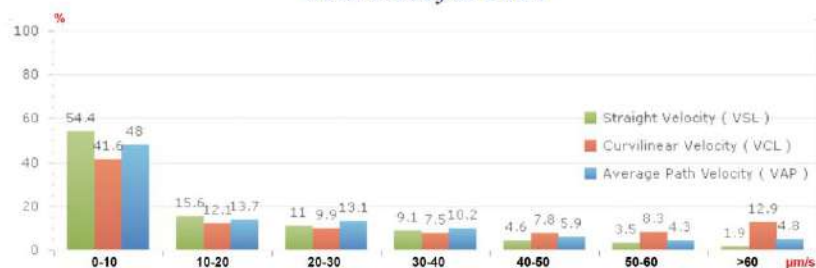


Progressive (PR)
 Non progressive (NP)
 Immobile (IM)
 Pin Head
 Red Blood Cells
 White Blood Cells
 Spermatogenic Cells

Sperm Track Image



Semen Analysis Chart



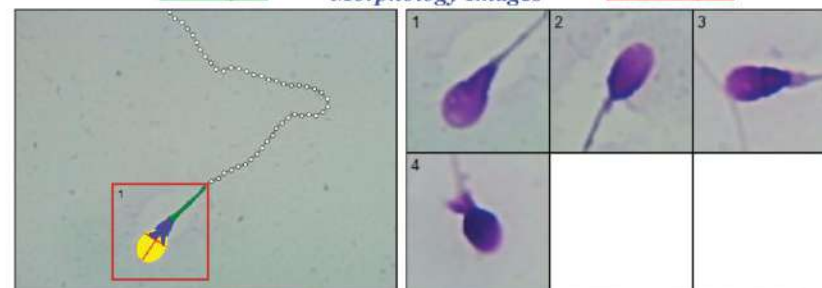
Dark Field Image



Sperm Count Image



FULLY AUTOMATED MORPHOLOGY SYSTEM



Sperm No	Length	Width	Acrosome	Area	Perimeter	Ellipticity	Elongation	Roughness	Regularity
1	5.11	2.56	78.87	12.68	11.82	2	0.33	1.09	0.77
2	4.35	2.49	63.7	11.74	10.45	1.75	0.27	1.29	0.69
3	4.52	2.24	45.67	11.62	10.42	2.02	0.34	1.28	0.65
4	3.91	2.44	22.91	10.94	9.65	1.6	0.23	1.41	0.65

Ref. Values: Length: (4-5.5)µm | Width: (2.5-3.5)µm | Acrosome: (40-70)% | Area: (7.85-15.1)µm² | Perimeter: (10.8-14.9)µm



**DNA
FRAGMENTATION**



VITALITY