

Specifications



Reference	SIA 50	SIA 51
Microscope	CLEVER® C320	CLEVER® C320
Objectives	NIS60 Plan Achromatic 4X, 10X, 20XPH, 40X, 100X oil	NIS60 Plan Achromatic 4X, 10X, 20XPH, 40X, 100X oil
Heating stage	Yes	Yes
Kohler illumination	Yes	Yes
Camera	Optoscam O40	Optoscam O40
Pixels	45MP	45MP
Resolution	1920 x 1080	1920 x 1080
Frame rate	50 Hz	50 Hz
Color rendering	36 bits	36 bits
Counting chamber	Optoslide 204 / Optoslide 206	Optoslide 204 / Optoslide 206
Modules		
Motility & Con	Semi automatic	Automatic
Morphology	Semi automatic	Automatic / Semi automatic
Vitality	Semi automatic	Automatic / Semi automatic
Fragmentation	Semi automatic	Automatic / Semi automatic
Leukocyte	Semi automatic	Automatic / Semi automatic
Application	Human	Human

MANUFACTURER

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DISTRIBUTOR



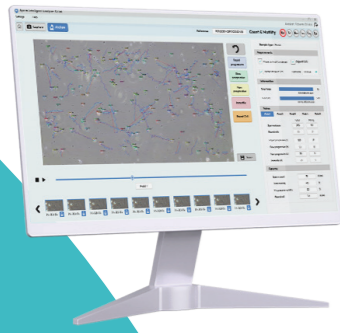
Clever solutions for semen analysis



Sperm Intelligent Analyzer SIA® Lab Computer Assisted Semen Analysis (CASA)



As a leading manufacturer of CASA, we focus on combining Optical Technology and Artificial Intelligence to analyze sperm samples.



Mat Motility

The Motility and Concentration module track and analyze the movement of spermatozoa.



Vit Vitality

The Vitality module enables the assessment of sperm cell viability.



Mar Morphology

The Morphology module classifies spermatozoa into Typical and Abnormal.



Leu Leukocyte

The Leukocyte module analyse peroxidase activity in semen samples.

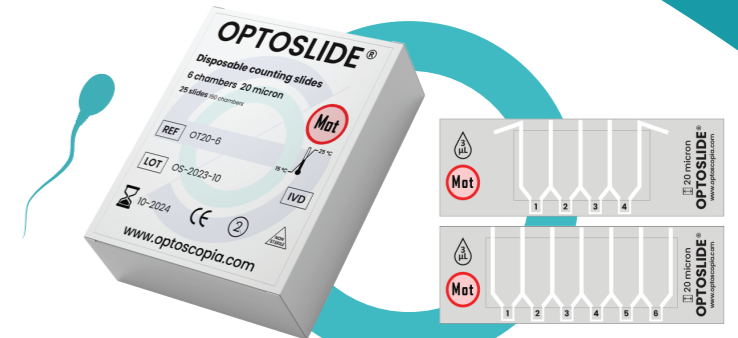


Frg Fragmentation

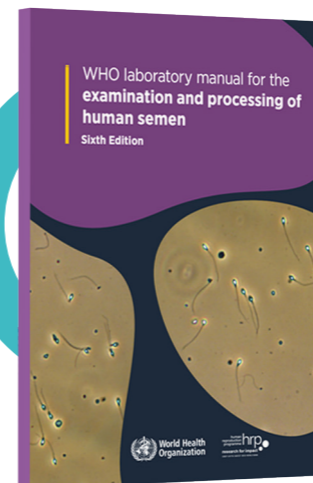
The module of DNA Fragmentation is compatible with Sperm Chromatin Dispersion test.



OPTOHEAT maintains the sample at the optimal temperature of 37°C.

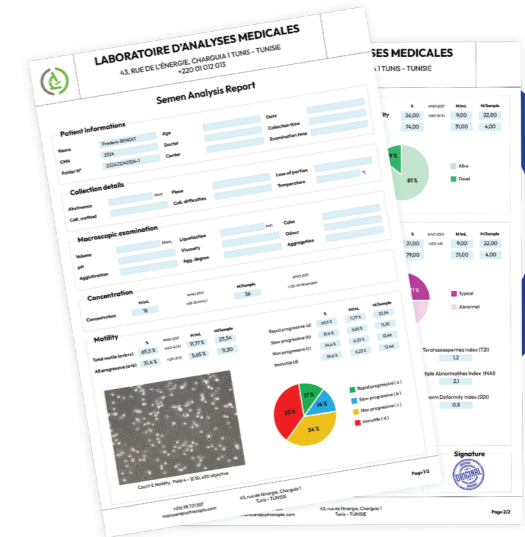


20µm fixed depth counting chamber provides accuracy and reproducibility.



WHO 6th Edition

Based on the latest technologies of AI, SIA® adhere to guidelines of the WHO Laboratory Manual 6th edition.



SIA® Lab offers a fully customized report according to your needs and requirements.