



Male Infertility Total Solution



1000⁺

IVF Labs or Clinics
adopt **LensHooke**



Semen Analysis
(Basic Exam)



Semen Analysis
(Advanced Exam)



Sperm Separation

LensHooke[®]
Male Infertility Total Solution

LensHooke® X1 PRO Semen Quality Analyzer



Easy to use

Only 3 Steps, to get all of the test results!



**Auto Focus
& Full HD**



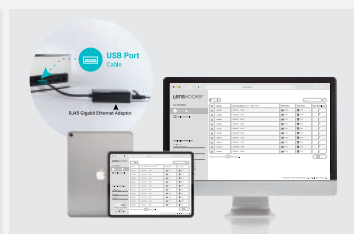
**LAN
Connection**



**Multilingual
Support**



**Quality
Control**



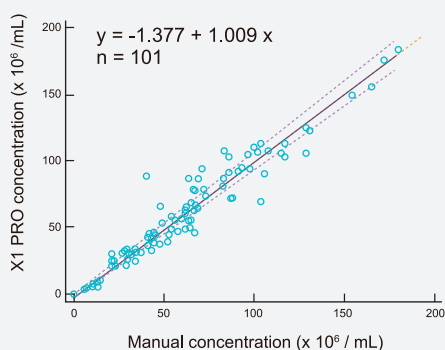
Validation Report

Manual Method V.S LensHooke® Semen Quality Analyzer



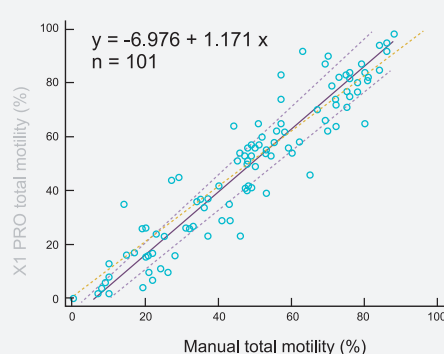
Concentration

Correlation analysis
(Pearson's correlation coefficient)



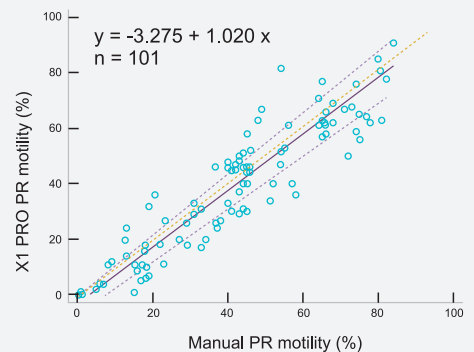
Motility (TM, Total Motility)

Correlation analysis
(Pearson's correlation coefficient)



Motility (PR, Progressive Motility)

Correlation analysis
(Pearson's correlation coefficient)



Source

Agarwal A, Panner Selvam MK, Ambar RF. Validation of LensHooke® X1 PRO and Computer-Assisted Semen Analyzer Compared with Laboratory-Based Manual Semen Analysis. World J Mens Health. 2021 Jul;39(3):496-505.

LensHooke® R10 Sperm DNA fragmentation test kit & LensHooke® X12 PRO Semen Analysis System



Fast & Simple

Only 3 ~ 6 minutes, to get the test results!



Automatic &
Multiple Fields



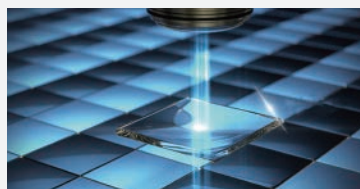
Auto Focus



Save
Staining Time



Clear Image



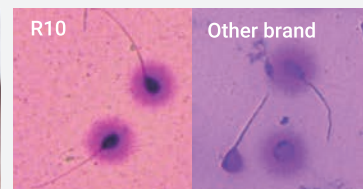
Exam 3,000+ Sperms



Full HD 1080P



Only 40 minutes



To reduce the subjective issue by manual

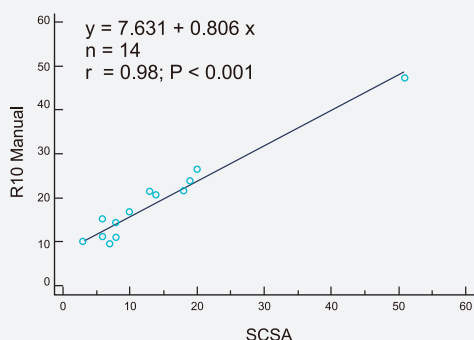
Validation Report

SCD Testing by LensHooke® R10 & X12 PRO

Both R10 readings by manual and X12 PRO analyzer are highly correlated with SCSA method.

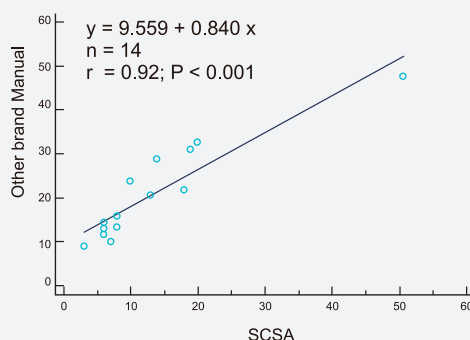
Manual

R10-Manual vs. SCSA



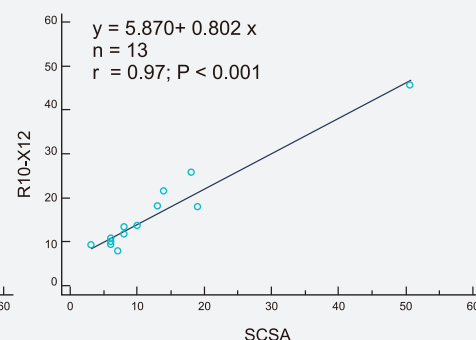
Manual

Other brand-Manual vs. SCSA



X12 PRO

R10-X12 vs. SCSA



Source

Preliminary data from Cleveland Clinic.



LensHooke® CA0 / CA1 Sperm Separation Solution



Fast & High Quality

Only 4 steps, to separate the sperms with high quality!



Simple



Fast



Centrifuge Free



Excellent Performance



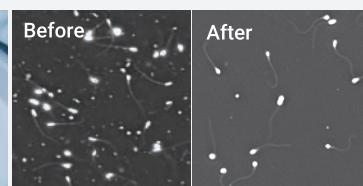
Only 4 steps



Only 30 minutes



Reduce DFI Level



Allow to select the high quality sperm

Validation Report

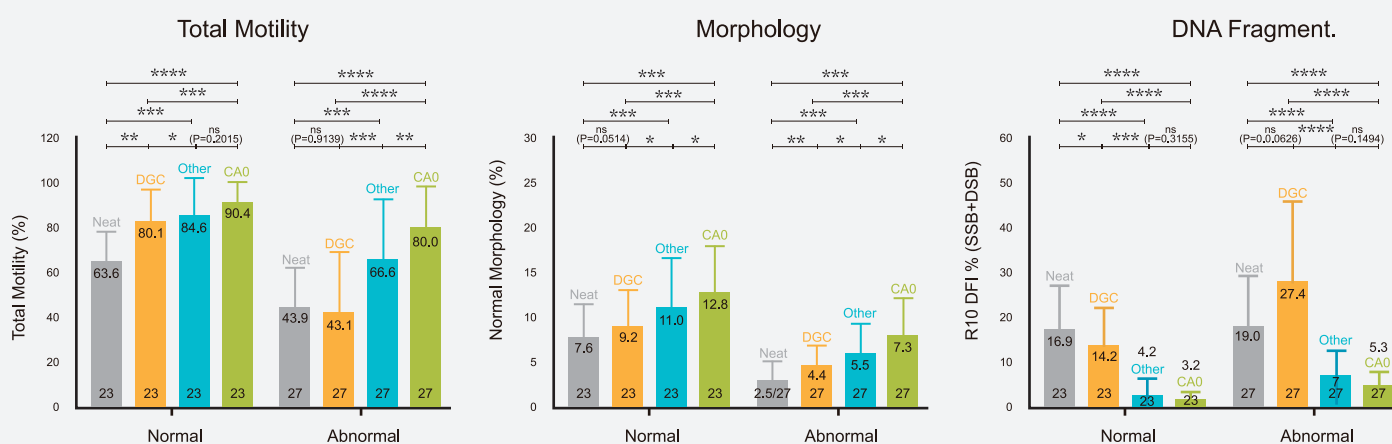
Performance of LensHooke® CA0

DGC VS. Other brand VS. CA0

Abnormal Sample : Oligospermia / Asthenospermia / Teratospermia / OAT

(n=50) *p<0.05, **p<0.01, ***p<0.001, ****p<0.0001

P-Values in Wilcoxon test



Product Specification

Semen Analysis (Basic Exam)

LensHooke® X1 PRO Semen Quality Analyzer

Control Panel	3.5-in resistive touch screen
External Power Input	AC 100-240V / 50~60 Hz; Output DC 5V/2A
Battery Durability	2500 mA (embedded re-chargeable lithium polymer battery, DC3.7V/2.5Ah)
Internal Storage Capacity	30 records including data and images
Detection Time	2~5 minutes (Depends on the sample condition)
Power Adaptor	Input: 100~240 Vac, 50~60 Hz, 0.5 A; Output: 5 Vdc, 2 A Max
Size	L 140 x W 70 x H 71.2 mm



LensHooke® CS1 Semen Test Cassette

Exam Parameter	
• pH	pH 6.0~8.0 (Each Scale Range: 0.2)
• Concentration	< 0.1~300 (106 /ml)
• Motility (PR+NP,Total)	< 1~100%
• Normal Morphology	< 1~100%
Shelf life	2 years
Package	50 Pcs/box



Product Specification

Semen Analysis (Advanced Exam)

LensHooke® X12 PRO Semen Analysis System

Control Panel	13-in Capacitive touch screen
External Power Input	100~240 VAC 800mA max. 50/60 Hz
Storage Capacity	More than 5,000 records including data and images
Connection Interface	Total Time: Within 3~6 minutes
Size	370 (Width) x 281 (Depth)*204 (Height) mm



LensHooke® R10 Sperm DNA fragmentation test kit (SCD assay)

Sperm DNA Fragmentation Index	0 ~ 100%
Shelf life	Sealed for 18 months Opened for 3 months
Package	10 Pcs/box



Product Specification

Sperm Separation

LensHooke® CA0 Sperm Separation Device

Size	Φ55.62 x H19.23 mm
Material	Polycarbonate, PC
Sterilization	Gamma irradiation sterilization
Shelf life	2 years
Package	25 Pcs/box



LensHooke® CA1 Sperm Separation Device

Size	Φ55.62 x H21.83 mm
Material	Polycarbonate, PC
Sterilization	Gamma irradiation sterilization
Shelf life	2 years
Package	25 Pcs/box

