

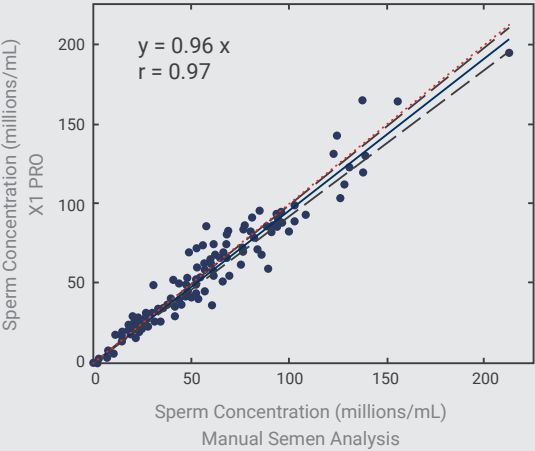
Clinic Report

Manual Method V.S LensHooke™ Semen Quality Analyzer



Concentration

Correlation analysis (Pearson's correlation coefficient)

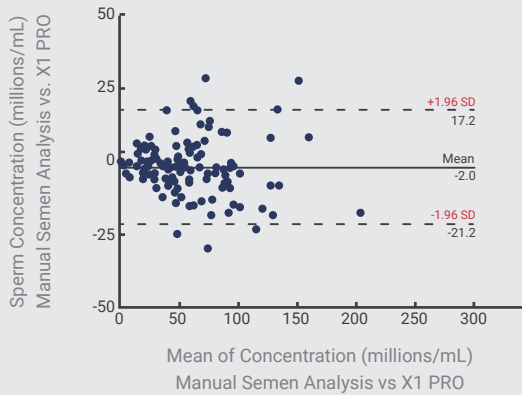


Comparison of sperm concentration correlation results between LensHooke™ Analyzer and a manual microscope method. The solid blue line represents the regression line, the red dashed line represents the diagonal line, and the black dashed line represents a confidence band (n=135).



Concentration

Deviation analysis (Bland-Altman analysis)

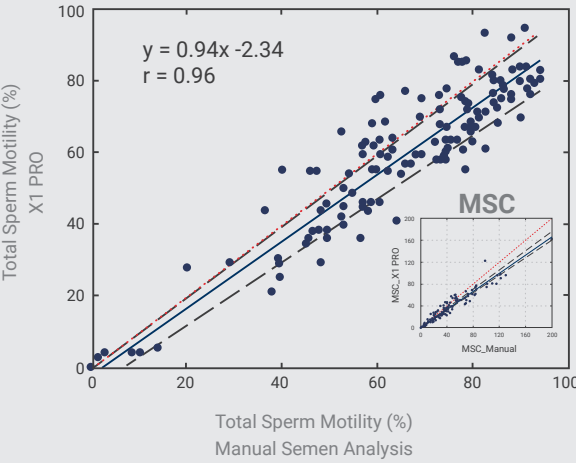


Bland-Altman analysis of the concentration deviation results between LensHooke™ Analyzer and a visual manual microscope method. The solid black line is the mean difference in the method and the black dashed lines are the 95% confidence ranges.



Motility (TM, Total Motility)

Correlation analysis (Pearson's correlation coefficient)

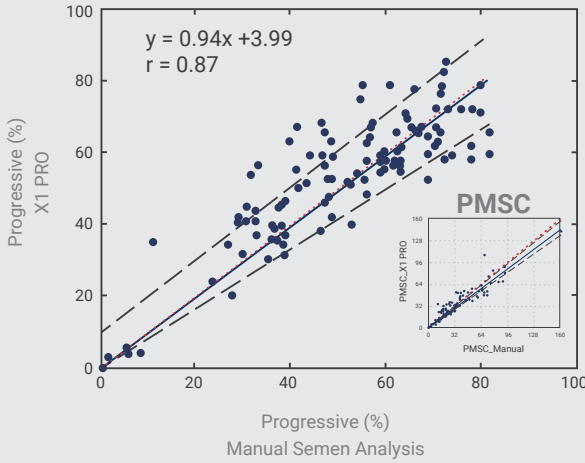


Comparison of total motility results between LensHooke™ Analyzer and a manual microscope method (n=100). As shown below, the correlation of motile sperm concentration (MSC) r = 0.97.



Motility (PR, Progressive Motility)

Correlation analysis (Pearson's correlation coefficient)



Comparison of progressive motility results between LensHooke™ Analyzer and a manual microscope method (n=100). As shown below, the correlation of progressive motile sperm concentration (PMSC) r = 0.94.

Source

- Plan No. : CS17027 | Source : Chung Shan Medical University Hospital
- Plan No. : CS17027 | Source : Lin Shin Hospital
- Plan No. : CS17027 | Source : Lee Women's Hospital
- Plan No. : MSIRB2017019 | Source : Min-Sheng General Hospital

Product Specification

[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

[LensHooke™ Semen Test Cassette]

pH	pH 6.0~8.0 (Each Scale Range: 0.2)
Concentration	< 0.1~300 (10 ⁶ /ml)
Motility (PR+NP,Total)	< 1~100%
Normal Morphology	< 1~100%

ver.1843
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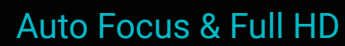


LensHooke™



Semen
Quality Analyzer
X1 PRO

Auto Focus & Full HD	CASA Report	LAN Connection	Quality Control	Barcode Scanning



4 Key Data for Diagnosis

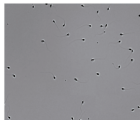


Quality Control



CASA Report

3. Other Technical Requirements		Notes	Use Technical Staff if asked to
Volume	20,000		1 Day
Cost	N/A		N/A
Logoff/active Time	N/A		2:00 PM
Total Open number	N/A		3PM



Inquire Signature: _____

Hi, Diogenes & Comment: _____

Di. Signature: _____

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Only 3 Steps

and 2~5 minutes to get all of the test results!



LAN Connection

A diagram showing a network switch with multiple ports. A cable is plugged into one of the ports, and the other end of the cable is connected to a network of three clinics: Clinic A, Clinic B, and Clinic C. Each clinic is represented by a box containing a computer icon, a person icon, and a group of people icon. Clinic A has a download icon, Clinic B has an MP4 icon, and Clinic C has a PDF icon.

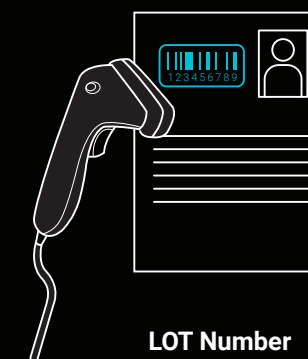


Barcode Scanning



Patient ID

Patient ID

**LOT Number**