

MES line of Sperm Quality Analyzers
Rapid and reliable automated assessment of male fertility



SQA IIC-P Training



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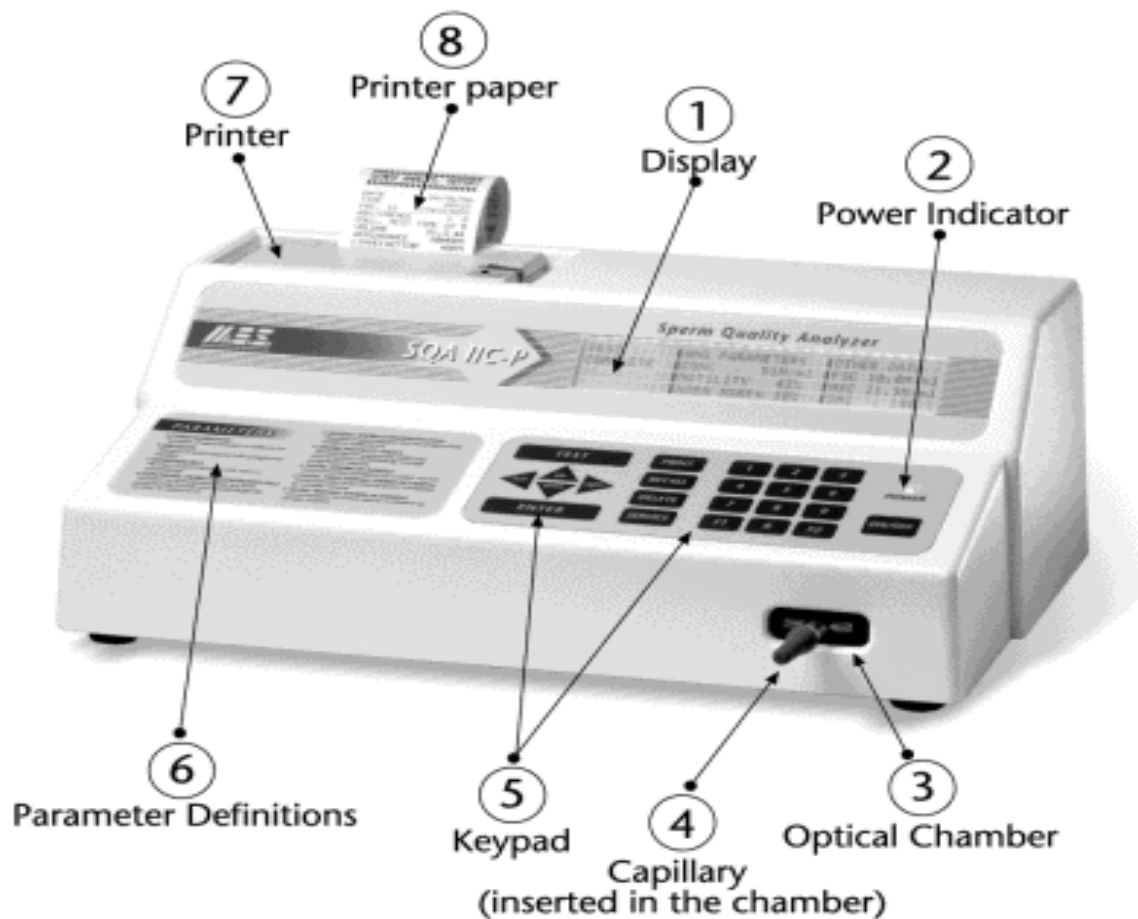
This presentation provides instructions for operating the SQA IIC-P



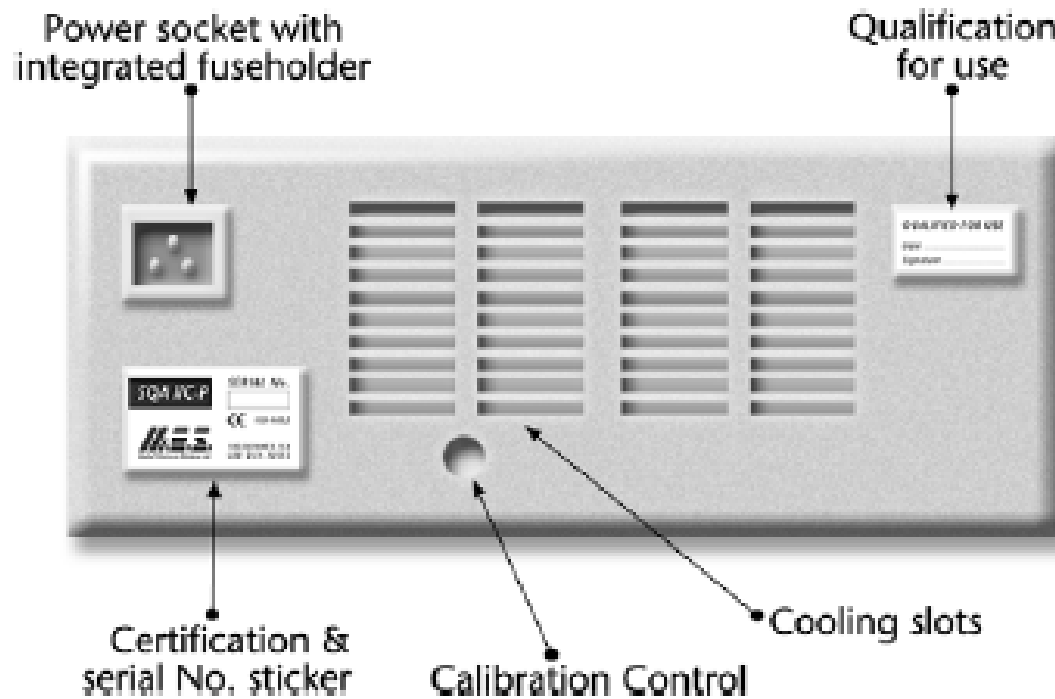
SQA IIC-P Training: Front View



Overview of the System



SQA IIC-P Training: Rear View

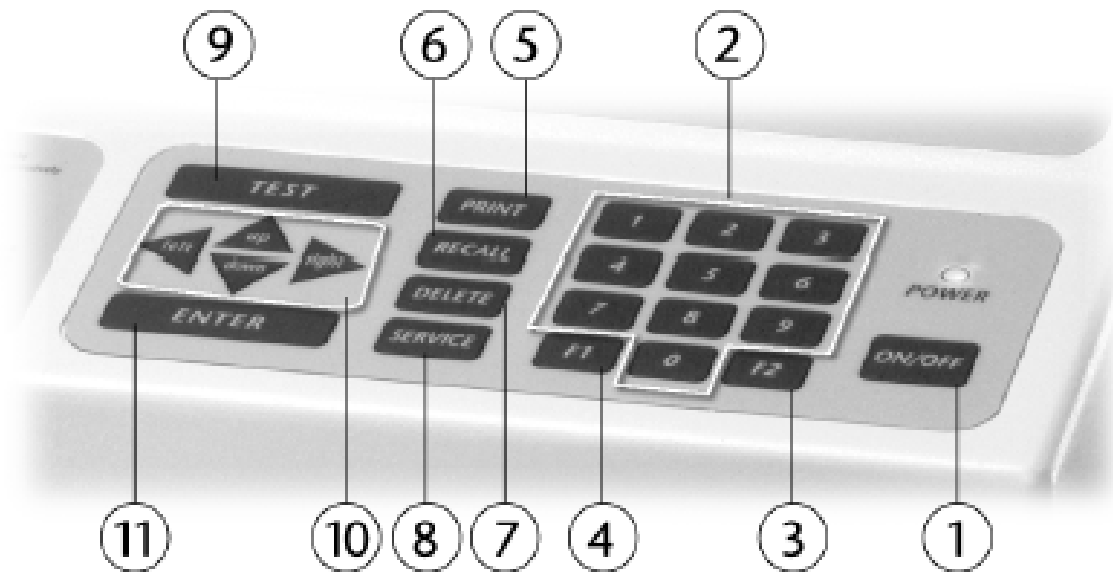


Cooling slots should not be blocked during operation.

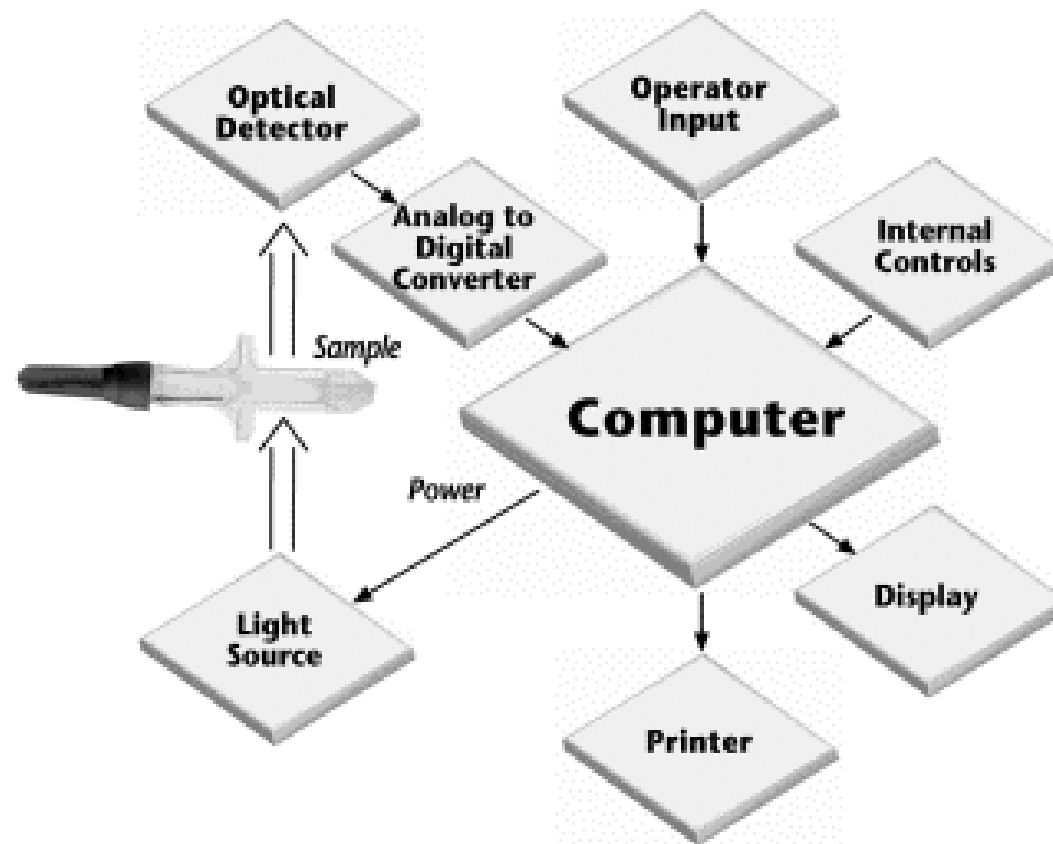
SQA IIC-P Training: Keypad



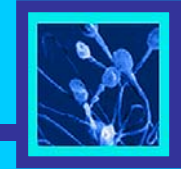
1. On/Off Key.
2. Numerical Keys.
3. F-2 function key.
4. F-1 function key.
5. Print key.
6. Recall key.
7. Delete key.
8. Service key.
9. Test key.
10. Cursor keys.
11. Enter key.



Technology



Semen Parameters



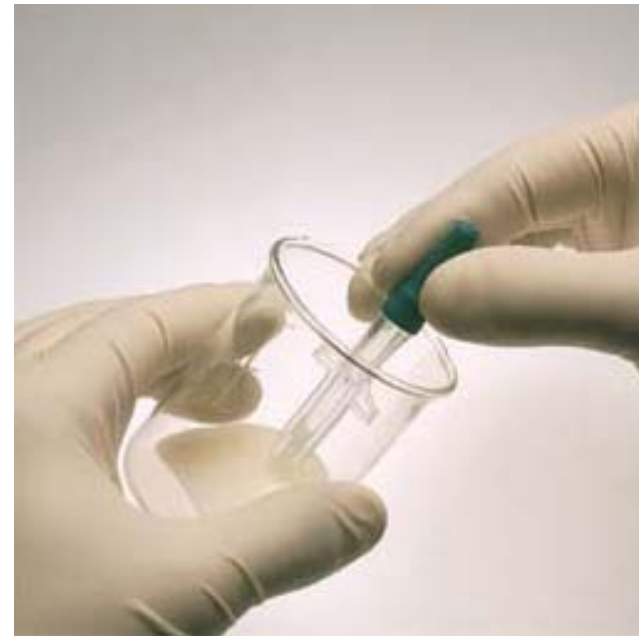
Semen Parameters Measured by the SQAIIC-P

CONC, M/ml	The total concentration of spermatozoa
MOTILITY, %	Percentage of progressively motile sperm (a+b)
NORM MORPH, %	Percentage of spermatozoa with normal morphology
MSC (Motile Sperm Concentration), M/ml	The concentration of progressively motile spermatozoa
FSC (Functional Sperm Concentration), M/ml	The concentration of progressively motile and morphologically normal spermatozoa
SMI (Sperm Motility Index)	An index reflecting concentration of progressively motile sperm and velocity

SQA IIC-P Testing Capillary



- **Disposable**
- **Easy to use**
- **Depress the rubber stopper to draw-up the specimen into the testing chamber**
- **Check that there are no air bubbles in the testing capillary**
- **Wipe the tip with a “Kimwipes” tissue**



Start-up & Enter Patient Data Screen



- Start the SQAII C-P by pressing the On/Off key
- Self-Testing will begin and when completed the following screen will be displayed:

Passed	Enter Patient Data	
Self	DATE	XX.XX.XX
Test	TIME	XX.XX
	PATIENT ID	XXXXXXXXXX

- Enter the required data by using the keypad and press ENTER

Enter Patient Data Screens



- Enter the required data into the next screen:

Enter Patient Data	ABSTINENCE	XX DAYS
	COLL TO TEST TIME	XXX MIN
	APPEARANCE	NORM/ABNORM
	VOLUME	XX.X ml

Enter Patient Data Screens



- Enter patient data in this third and last screen

Enter Patient Data	pH	X.X
	Liquefaction	Norm/Abnormal
	Viscosity	Norm/Abnormal
	WBC	Norm/Abnormal/N.A.

Starting the Test



**PASSED SELF
TEST**

**INSTRUCTIONS
FILL AND CLEAN CAPILLARY
INSERT INTO OPTICAL CHAMBER
PRESS “TEST” OR “F1” BUTTON**

After entering data on the three previous screens:

- **Prepare the testing capillary as instructed**
- **Insert the capillary in the optical chamber**
- **Press the TEST or the F1 button**

Test Results



- The screen below will be displayed
- A normal test takes ~ 45 seconds

Test In Progress	Time Remaining: 15 seconds
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- The test results will be automatically displayed

Test Completed Press F2 for Totals	WHO parameters CONC. XXM/ml MOTILITY XX% NORM MORPH XX%	Other data FSC XX.XM/ml
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Grading Test Results



The following table can be used to grade the test results:

	SMI	MSC	FSC	CONC	MORPH (%)	MOTILITY (%)
Good	> 160	> 26	> 13	> 60	> 30	> 50
Medium	80-160	10-26	3-13	20-60	20-30	30-50
Poor	< 80	0-10	0-3	0-20	0-20	0-30

Important Notes



- Two types of test results are reported by the SQAIIC-P: “WHO Parameters” and “Other Data”
- Fresh samples will be tested for both WHO and OTHER
- Other types of samples (prefrozen, enriched, diluted, aged, washed, etc.) will only be tested for OTHER (FSC, MSC and SMI will be the only parameters reported)
- When a sample has FSC of 0.5 million/ml or less the SQAIIC-P will report – “WHO Parameters Unavailable” (because a statistical correlation is not possible with such a low concentration of functional sperm)
- The SQAIIC-P is based on a DIFFERENT technology than the SQA-V. It is meant to be a simple screening device.



An objective approach for screening semen quality

- Immediate results
- Simple to use
- Reliable
- Stand alone system

