



## Specifications

### Sperm Quality Analyzer QwikCheck Gold

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#### General characteristics

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Measurement Compartment	<ul style="list-style-type: none"><li>— sources of radiant energy — two LEDs for motility and spectrophotometry channels</li><li>— detector system — two photo detectors — Motility and Optical Density</li></ul>
Sample type	<ul style="list-style-type: none"><li>— fresh</li><li>— washed</li><li>— frozen</li><li>— post-vasectomy</li></ul>
Specificity	<ul style="list-style-type: none"><li>— concentration: 85 %</li><li>— motility: 80 %</li><li>— normal morphology (WHO): 65 %</li><li>— high-sensitivity test: 95 % motile cells determination</li></ul>
Sensitivity	<ul style="list-style-type: none"><li>— concentration: 90 %</li><li>— motility: 85 %</li><li>— normal morphology (WHO): 85 %</li></ul>
Display	operational backlight LCD (16 lines x 40 characters)
Printer	<ul style="list-style-type: none"><li>— external label printer</li><li>— thermostatic label paper with 30 characters per line (Brother)</li></ul>
Keypad	<ul style="list-style-type: none"><li>— operational keys</li><li>— numeric buttons</li><li>— cursor buttons</li></ul>
Interface	RS-232 cable outlet
Accessories for testing sample	measuring capillary: disposable, plastic, loaded syringe for an easy aspiration of sample
Memory	250 test records in each archive
Analysis Time	normal test — about 75 seconds
Temperature control	calibrated for use at room temperature. Motility tests will degrade over time and will vary if the sample is heated
Signals	<ul style="list-style-type: none"><li>— motility channel input signal: analog, up to 5 V</li><li>— spectrophotometer channel input signal: Modulated (1 kHz) analog, up to 5 V</li></ul>
Quality Control	<ul style="list-style-type: none"><li>— internal: electronic self - test and auto-calibration</li><li>— external: "QwikCheck™ beads" quality control material for zero level and concentration</li></ul>
Dimensions, weight	20x30x15 cm (HxWxD), 4.1 kg
Power supply	100–250 V AC, 50/60 Hz, 10 VA