

QwikCheck™ Beads

Quality Control Material for Sperm Counting Systems

QwikCheck™ Beads is an FDA approved quality control material for use in automated and manual sperm counting systems. The beads are for in-vitro use only and can be used to assess the accuracy and precision of the laboratory's sperm counting methods by providing a known target value.

The beads can be used on the following automated and manual sperm counting systems:

- SQA-V / SPERMALITE™ automated systems
- SQA-V visualization system (standard slide)
- Neubauer hemacytometers
- Makler counting chambers
- Fixed cover slip chambers (like MicroCell™)



QwikCheck™ Beads

OVERVIEW

Each kit of QwikCheck™Beads contains:

- Two vials of latex beads of a known concentration (target value and +/- range).
- One 5ml bottle of low range and one 5ml bottle of high range.
- Instructions on how to run the assayed QwikCheck™Beads in the same manner the laboratory runs sperm counts on the SQA-V (automated and visualization systems) and manual counting chambers.

Target Value and +/- Range (Sample Table)

Counting Method	Level 1 (Millions/mL)			Level 2 (Millions/mL)		
	Target Value	Range +/-	Between	Target Value	Range +/-	Between
SQA-V Automated	43	6.0	37 – 49	21	2.9	18.1 – 23.9
SQA-V Visualization	40	10.0	30 – 50	19	4.7	14.3 – 23.7
Counting Chamber (Makler)	46	11.5	34.5 – 57.5	22	5.5	16.5 – 27.5
Fixed Coverslip	34	8.6	25.4 – 42.6	20	5	15 – 25
Hemocytometer (Neubauer)	44	11.0	33 – 55	21	5.2	15.8 – 26.2

According to CLIA, "...for most moderately complex tests, the general requirement is to analyze two levels of QC materials on each day of testing" (Quest Essay Quality Regulations – the 2002 Update).

QwikCheck™Beads can be ordered directly from Medical Electronic Systems by accessing our website @ <http://www.mes-ltd.com> and clicking on the "Products" tab or by contacting your local SQA-V/SPERMALITE distributor.



Medical Electronic Systems

www.mes-ltd.com