

Revolutionary Shukratara enters in the field of A. R. T. with Global Vision

Certificates & accreditation achieved by 'SHUKRATARA'

ISO 9001 : 2008



NABL for its depth & surface graticule

PATENT

Order Code: 02C00645B, Shukratara Chamber with Grid Cover Glass



Inspired by the instinct support by our valued customers we have designed & developed "SHUKRATARA" a Sperm Counting Chamber.

In medical terms 'Shukra' means Sperm & Tara means the rising Star; named so in hope that it excels like a shining star in the field of A.R.T.

'SHUKRATARA' is a Biotechnological product for accurate Semen Analysis. Designed by state of art Precision engineering The vital part is checked by laser beam for precision accuracy. Its unique design aids easy determination of sperm concentration and percentage motility of undiluted semen sample.

Shukratara is a highly sophisticated instrument especially designed for Semen Analysis.

Instrumental specialities are as under :

- The number of sperms counted in any 10 squares from the grid indicates their Concentration in millions / ml directly. Thus there is no need of additional factors for calculation and you can be obtained quick results.
- The 10 micron depth eliminates blurring image and allows free movement of the Sperms. The applied specimen is easily evaluated in one focal plane (Mono layer Formation.)
- The cover glass is encircled by a metallic ring. The designing is such that, when instrument is loaded with the sample, the cover glass will never raise. Hence the microscopic observation becomes easier and remains uninterrupted.
- Observation of color fringes at the four contact points, provides a self controlled test for accuracy.
- Before reuse clean the SHUKRATARA with non bleach disinfectant solution.
- Repeated use with complete accuracy without calibration is the speciality of Shukratara.

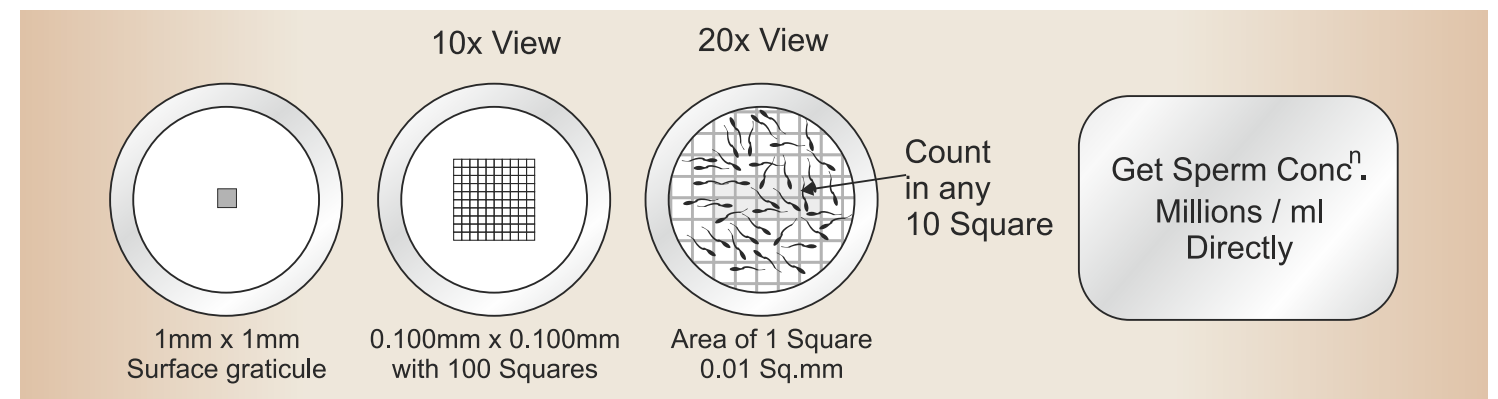
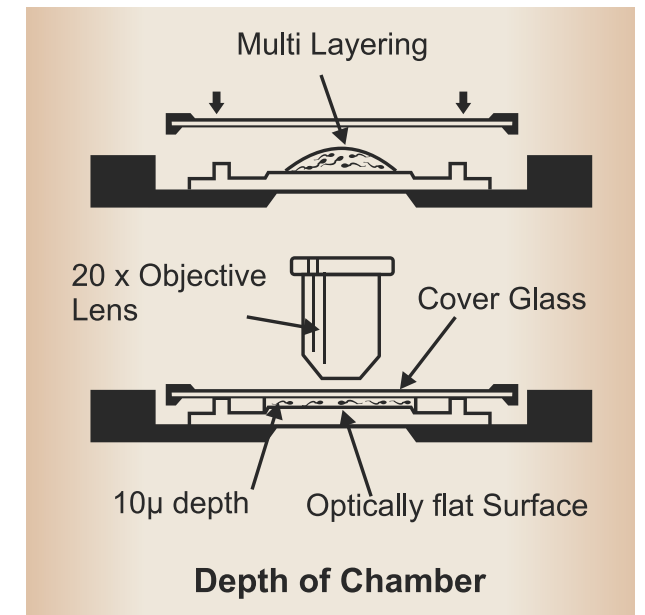
#### DIMENSIONAL CONSISTENCY :

Semen is viscous in nature. It forms a smear of distinct thickness. Hence during microscopic analysis dimensional consistency of smear is an essential requirement.

SHUKRATARA is designed to produce 10 micron thick smear. This will achieve the following goals

- 1) Avoids overlapping of sperms.
- 2) Allows free head movement of sperms in all directions.
- 3) Facilitates the serial micro graphic view in computational image processing.
- 4) Qualitative and Quantitative assessment of motility in terms of sperm concentration within the same focus of microscopy.
- 5) Becomes Easy for calculations.

**SURFACE GRATICULE :** Determination of precise sperm concentration and motility (Qualitative and Quantitative) needs well defined micro metric area; SHUKRATARA is designed to provide 100 squares of 0.100mm side each in 1 mm side square in the form of surface graticule on 1 mm thick cover glass.



**DEFINED MICROMETRIC AREA :** Microscopic examination is based on constant depth focus In Shukratara the surface Graticule has been create on inner surface of the cover glass which facilities the view of sperm and graticule in same microscopic focus without disturbing the dimensional consistency.



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