



## SPERMTRACK®



1. Make sure the SPERMTRACK® is clean and completely dry.
2. Load the correct volume in the center of the base circular glass.
  - SPERMTRACK® 10: **2 µL**
  - SPERMTRACK® 20: **4 µL**
3. Place the cover on the sample, and align the circular marks on the cover with the circular marks on the base (if using grid covers).
4. In the case of using SPERMTRACK® with a grid for manual counting, only the cells with the head on the upper and right lines of the grid box will be considered.
5. According to the WHO manual, the cells contained in 1 mm<sup>2</sup> (100 squares of the grid) will be counted. Normally, only 10 boxes are counted. In this case, the corresponding sampling error will be assumed.
6. The calculation of the final concentration will be:

### **SPERMTRACK® 10**

Counting 100 squares:

Concentration (M/ml) = (nº of sperm counted) x 10<sup>5</sup>/ml

Counting 10 squares:

Concentration (M/ml) = (nº of sperm counted) x 10<sup>6</sup>/ml



### SPERMTRACK® 20

Counting 100 squares:

$$\text{Concentration (M/ml)} = (\text{n}^\circ \text{ of sperm counted}/2) \times 10^5/\text{ml}$$

Counting 10 squares:

$$\text{Concentration (M/ml)} = (\text{n}^\circ \text{ of sperm counted}/2) \times 10^6/\text{ml}$$

7. If SPERMTRACK® is used with a CASA system, the number of fields recommended in the user manual will be analysed, depending on the magnification of the microscope used.
8. Clean the SPERMTRACK® (base and coverslip) with water and dry with a tissue.
9. Every day, at the end of the analysis, immerse the SPERMTRACK® overnight in disinfectant solution (0.1% sodium hypochlorite) to avoid contamination with potential infectious agents that may be present in the sample. Rinse with water before use to remove the remains of disinfectant.

**¡REMEMBER!:** The ISAS®Lab or ISAS®v1 Setup must be configured for the type of camera you are using, to correctly calculate the cell concentration.

