

General Information:

The CellVision Semen Analysis slide 20 micron with SCG counting-grid, is specially designed to replace the re-usable hemocytometers for the manual assessment of sperm. Each slide consist of 2 identical chambers for accurate, quick and hygienic determination of the sperm-count and motility of sperm.

Both identical chambers consist of a SCG [Sperm Counting Grid] in the middle of the chamber and a separate "motility-window" nearby the "loading-zone".



Protocol:

1. Add 5 μ l of fully liquefied and homogenized semen to entrance area A or B
2. The chamber will fill itself almost completely by capillary action
3. After the chamber has filled, wipe away any surplus - if present - from the entrance area
4. Count all sperm present in 5 random squares in the SCG (middle of the chamber)
5. Determine motility in the "motility-window" according to the WHO¹

Spermcount:

The spermcount is the total number of sperm counted in 5 squares X 1.000.000 / ml.
Total volume of 5 squares = 0,000.001cm³ (10 x 0,1 x 0,1 x 0,02mm).

Motility Result:

In the "motility-window" sperm can move naturally without being hindered by the counting grid material present at the Spermcount area in the middle of the chamber.

Motility is reported in percentages according to the new WHO classification (see below).

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| Class PR | : Sperm moving linear or in large circles regardless of speed |
| Class NP | : All other sperm movements with absence of progression |
| Class IM | : No movement at all |

¹ World Health Organisation, Laboratorium Manual for the Examination and Processing of Human Sperm, 2010, ISBN 978 92 4 154778 9