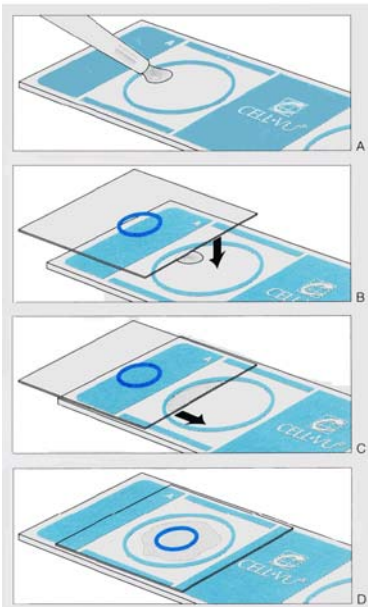


General Preparation for CELL-VU® 20µ Disposable Counting Chamber with Separate Coverslip with Grid



No Reticle or calibration required.

- Make sure CELL-VU® Slide and Gridded Coverslip are clean.
- Mix the sample thoroughly just before pipetting.
- Pipette one drop (approximately 4 microliters *) of undiluted specimen on the CELL-VU® slide.
- *** Please note that the CELL-VU® Counting Chamber uses a smaller sample than the Microcell® or Standard Count® (Leja)**
- Place the specimen at the extreme edge of one of the sampling areas.
- Make sure the CELL-VU® name on the cover glass is facing the observer as the grid is etched on the reverse side.
- Gently lower the cover glass over the specimen so that the edge of the cover glass just covers the sample.

- Isolate and view the CELL-VU® grid.
- Count all motile and non-motile sperm within 10 small boxes within the grid. Divide this total number by 2.

This result is the concentrations of sperm in millions/ml.

$$\% \text{ motility} = \frac{\text{number of motile sperm}}{\text{total concentration}} \times 100$$

- Two tests can be performed using one CELL-VU® slide.

Suggestions:

- For increased accuracy, count all sperm within the grid (100 boxes). Multiply the count by 50,000 to obtain the total concentration of sperm/ml.
- For high count ($>60 \times 10^6$), dilute the sample accordingly and multiply the count x dilution factor.
- For low counts ($<20 \times 10^6$), count all 100 squares, multiply by 1000,000 and divide by 2.
- Sperm can be immobilized by placing a small amount of sample in an appropriate container and then immersing it in hot water for several minutes.
- If diluted specimen is used, follow the instructions and multiply by the dilution factor.

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