

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

- Mix the sample thoroughly just before pipetting.
- Pipette one drop (**approximately 4 microliters ***) of undiluted specimen on the CELL-VU® slide.
- Place the specimen at the extreme edge of one of the sampling areas.
- Gently lower the cover glass over the specimen so that the edge of the cover glass just covers the sample.
- Slide the cover glass into position. This will eliminate air bubbles from the counting area.

- If doing a manual count: Count all motile and non-motile sperm within 10 small boxes within the reticle grid. Divide this total number by 2.

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

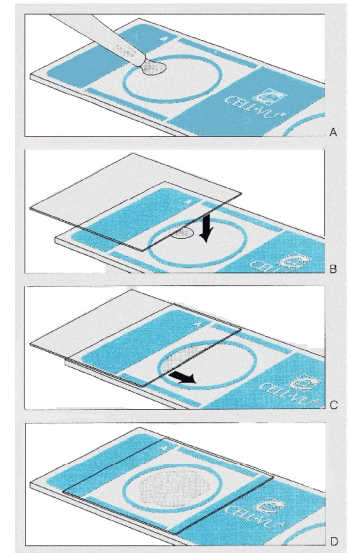
$$\% \text{ motility} = \frac{\text{number of motile sperm}}{\text{total concentration}} \times 100$$

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

* Please note that the CELL-VU® Counting Chamber uses a smaller sample than the Microcell® or Standard Count®

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.
- 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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