



Manual Analysis

$$C = N \times F$$

NOTE: If you are currently using a disposable counting chamber, and your microscope has already been calibrated, there is no need to recalibrate.

You may use the calibration factors (F) previously established for your microscope to determine sperm concentration (C) using the formula shown above ($C = N \times F$). A good quality laboratory microscope is recommended for semen analysis. Phase contrast optics with an objective magnification of 10X to 40X are preferred for an easy visualization of the sperm cells. The Standard Count contains no counting grid, so it is necessary to use an eyepiece reticle to define the area being counted. This is best accomplished with a 10 X 10 net pattern that projects 100 boxes over the viewing field. We can provide a reticle compatible with virtually all major brands of microscopes.

C = sperm concentration

N = average number of sperm per box

F = calibration factor

