#### Use of iNCYTO Disposable Counting Chamber for Body Fluid Cell Counts

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| Purpose | This procedure describes how to use the iNCYTO disposable counting chamber for body fluid cell counts |

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| Procedure | |  |  | | --- | --- | | Step | Action | | 1 | Mix the sample well |  | | 2 | Remove the disposable chamber from the pouch | | 3 | Load approx. 10 uL of sample into the sample injection area in both sides of the chamber so that it fills the chamber by capillary action  Note: Avoid introducing air bubbles into the chamber | | 4 | Using the microscope, count the cells in both sides of the chamber | | 5 | Generally, WBC’s are counted in the 5 large squares on both sides of the chamber   * Counts should agree within 15% of each other. If not then repeat | | 6 | Generally, RBC’s are counted using the large middle square on both sides of the chamber (count the 5 small RBC squares on each side)   * Counts should agree within 15% of each other. If not then repeat | | 7 | Record the following information on the fluid worksheet for both  and WBC counts:   * Results for both sides of the chamber * Dilution factor * Number of squares counted * Volume used ( large square or small square) | | 8 | Enter the information from the worksheet into the LIS to obtain calculated RBC and WBC counts:   * Record the calculated counts on the worksheet * Refer to the appropriate body fluid SOP for manual calculations for WBC or RBC counts | | 9 | Refer to the appropriate body fluid cell count procedure to complete the testing process | | 10 | File the body fluid cell count worksheet appropriately | |

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Use of iNCYTO Disposable Counting Chamber for Body Fluid Cell Counts, Continued

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| Procedural limitations | * iNCYTO counting chambers are single use only * Use counting chamber immediately after unsealing * Avoid introducing bubbles into into chamber |

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| Related | * CSF cell count SOP * Misc Body Fluid Cell count SOP * Diluting fluid QC SOP |

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| References | * iNCYTO C-Chip Instructions |

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