#### 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 |

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| 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 actionNote: 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 bothand 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
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| 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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End