**HEMATOLOGY CELL COUNT WORKSHEET**

1. **PERFORM THE CELL COUNT AND DOCUMENT :**
2. **(side 1)\_\_\_\_\_\_\_\_\_\_\_\_ - (side 2)\_\_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_cell difference (if any)**
3. **(side 1)\_\_\_\_\_\_\_\_\_\_\_\_+ (side 2)\_\_\_\_\_\_\_\_\_\_\_\_= \_\_\_\_\_\_\_\_\_\_\_\_\_\_total WBC cells counted**
4. **(side 1)\_\_\_\_\_\_\_\_\_\_\_\_+ (side 2)\_\_\_\_\_\_\_\_\_\_\_\_= \_\_\_\_\_\_\_\_\_\_\_\_\_\_total RBC cells counted**

* Compare the counts from (side 1) and (side 2) to make sure they are valid.

**For low counts <100/side**: Counts need to be within normal range: <10 WBC’s for CSF fluids per side or +/- 10 cells difference between sides for all fluids.

**For high counts >100/side**: Counts from both sides must agree within +/-15%CV of each other.

**Formula to calculate percent difference:**

**(side 1) - (side 2)/(side 2) x 100 = %CV**

(side 1) - (side 2) / (side 2) x 100 =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_%CV for WBC

(side 1) - (side 2) / (side 2) x 100 =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_%CV for RBC

\*if counts are not within the specified limits, re-plate and re-count. If counts are OK, proceed to step #2, the total cell count calculation.

1. **PERFORM THE WBC/RBC TOTAL CELL COUNT CALCULATION:**

**# Squares counted\_\_\_\_\_\_\_\_\_\_\_\_ Dilution factor: \_\_\_\_\_\_**

**Use the following formula to calculate the WBC and RBC total cell counts:**

Total cells counted **X**  **10**  (depth) **X**  dilution factor **÷** Total # squares counted **=** \_\_\_\_\_\_WBC/mm3

Total cells counted **X 10** (depth) **X**  dilution factor **÷** Total # squares counted **=** \_\_\_\_\_\_RBC/mm3

* **Remember, if you have a count that appears high on the hemocytometer, run the specimen on the analyzer, per procedure.**

**DIFFERENTIAL:**

**Neutrophils\_\_\_\_\_\_\_\_\_\_ Lymphocytes\_\_\_\_\_\_\_\_\_\_ Monocytes\_\_\_\_\_\_\_\_\_\_**

**Eosinophils\_\_\_\_\_\_\_\_\_\_ Basophils\_\_\_\_\_\_\_\_\_\_ Other\_\_\_\_\_\_\_\_\_\_**