**Lab Exercise #6 - REPORT**

**Immune Response: Leukocytes, Antibodies & Blood Typing**

* Blood typing
* Wright Stain Investigation of White Blood Cells

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Lab Partner:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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### Lab Day and Time:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Complete the following table (worth 35 points):

|  |  |  |  |
| --- | --- | --- | --- |
|  | Patient #1 | Patient #2 | Patient #3 |
| Blood type |  |  |  |
| First unit |  |  |  |
| Second unit |  |  |  |
| Third unit |  |  |  |
| Fourth unit |  |  |  |
| Record any errors |  |  |  |

**2.** Insert below labeled pictures of a neutrophil and a lymphocyte that you viewed while examining the Wright stain (worth 20 points).

IMPORTANT!!: For any micrograph photos that you take, make sure that the scope camera is set to capture the image as the smallest file size possible. If you don’t, the file size of your Word .doc will be huge, possibly too big to upload. Also, make sure the photos you import into this document are large enough on the page for me to see details of the image.

**3**. Complete the following table (worth 45 points):

|  |  |  |  |
| --- | --- | --- | --- |
| **Cell** | **Describe Appearance** | **Normal Cell Count** | **Function** |
| **Neutrophil** |  |  |  |
| **Basophil** |  |  |  |
| **Eosinophil** |  |  |  |
| **Lymphocyte** |  |  |  |
| **Monocyte** |  |  |  |

This material is adapted from the Applied Microbiology Laboratory Manual by Cynthia Schauer. For Power Point slides that correspond to this lab material, see the Virtual Microbiology Classroom of the [Science Prof Online](http://www.scienceprofonline.com) website.