

University of Washington  
National Primate Research Center

Accession # 21-150  
Submission Date 19 Oct 2021

### DIAGNOSTIC LABORATORY HEMATOLOGY REPORT

Requester VN Investigator HPK Animal ID # A21034  
Species Mm Requester's Phone \_\_\_\_\_

Date 20 Oct 2021 Time \_\_\_\_\_ Pathologist AB

Other Tests: ☐ Sero ☐ Micro ☐ Parasit ☐ Other \_\_\_\_\_

Other Diagnostic Samples \_\_\_\_\_

Type of report: ☒ Final 20 Oct 2021 ☐ Preliminary \_\_\_\_\_ ☐ Amended \_\_\_\_\_

Clinical History: This 3 year old female rhesus is assigned to the "Gates Broad HSC transplantation model for sickle cell disease" protocol. Platelets were 125 thou/ul on 9/28. We took a repeat CBC on 10/16 after the animal had received 2 doses of GCSF and SCF (50ug/kg of each on 10/14 and 10/15) and platelets were 75 thou/ul. We would like to have a blood smear analyzed to compare to the hospital results and look into why the platelets are low.

Description: two good quality blood smears labeled A21034, previously stained with wright's giemsa are submitted. There is multifocal platelet clumping, both within the feathered edge and throughout the smear, with varying amounts of platelets (20-approximately 100) within individual clusters. Platelets are predominantly with small, with fewer large forms. There are abundant leukocytes. Differential count is 64 neutrophils, 18 lymphocytes, 12 monocytes and 6 bands in 100 nucleated cells. The red blood cells display minimal polychromasia and anisocytosis, with rare target cells.

Interpretation:

Adequate platelets, moderate leukocytosis with neutrophilia.

Comments: platelets are clumped and appear adequate to increased within the smear. Leukocytosis is likely secondary to GCSF and SCF treatments.

Pathologist AB