**To: Dartmouth Health Providers**

**From:** Nancy M. Dunbar, MD, Blood Bank Medical Director

Brittany E. Condict, MLS(ASCP)CMSBBCM, Transfusion Medicine Service Manager

Rachael M. Chandler, MLT(ASCP)CMBBCM, Blood Bank Supervisor

**Date:** September 30, 2025

**Re:   New Test - RBC Antigen Type for Duffy-Null Associated Neutrophil Count**

The Blood Bank in the Department of Pathology and Laboratory Medicine at DHMC will be offering the RBC Antigen Type for Duffy-Null Associated Neutrophil Count test order, beginning on 10/2/2025. The test will include red blood cell antigen typing results for both the Duffy A and Duffy B antigens. If both Duffy antigens are negative, then this patient has the Duffy-null phenotype and is expected to have lower circulating neutrophils, also referred to as Duffy-null associated neutrophil count (DANC). This lower ANC does not correlate with increased risk of infection and should not be a barrier to receiving appropriate medications or procedures. If either Duffy antigen is positive, then this patient expresses the Duffy antigen and is not expected to have DANC.

**Specimen details:** The preferred specimen is EDTA anticoagulated peripheral whole blood.

**Test ordering details:** Lab2448

**For questions or additional information, please contact:** [Nancy.M.Dunbar@hitchcock.org](mailto:Nancy.M.Dunbar@hitchcock.org) ,[Brittany.E.Condict@hitchcock.org](mailto:Brittany.E.Condict@hitchcock.org),or[Rachael.M.Chandler@hitchcock.org](mailto:Rachael.M.Chandler@hitchcock.org)