Memorandum – Molecular Genetics #48

To: UNC Health Attending Physicians, Housestaff, Nursing Coordinators, Department Heads and Supervisors

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Date: September 14, 2026

Subject: Introduction of Blood Group Genotyping with the Grifols® BLOODChip ID CORE XT

Effective September 14, 2026, the UNC Molecular Genetics Laboratory will offer Blood Group Genotyping with the Grifols® BLOODChip ID CORE XT system (FDA PMA approved 11-OCT-2018 BP170154-0). This will replace the Human Erythrocyte Antigen (HEA) Genotyping Panel (test Code SREF-IVD) currently performed as a send-out test to the American Red Cross, National Molecular Laboratory.

The Grifols® BLOODChip ID CORE XT test assesses polymorphisms associated with 37 blood group antigens of RHCE, Kell, Kidd, Duffy, MNS, Diego, Dombrock, Colton, Cartwright and Lutheran blood group systems. RhD (D antigen/RHD) is not evaluated by this assay. The assay uses targeted PCR and a fluorescent bead-based readout to predict likely blood group phenotypes based on known associations between blood group alleles and phenotypes.

Specimen Requirements
Whole blood collected in EDTA tubes

Epic Test Name
RBC Genotyping

Epic Test ID
LAB10172

Turn-around time
7 days

For additional information or questions, contact the UNCMC Molecular Genetics Laboratory.
Phone: (984) 974-1825
Informational Flyer: Microsoft Word - UNC_RBC_Genotyping_Clinical_Flyer-FINAL _09-14-26.docx
Website: https://www.uncmedicalcenter.org/mclendon-clinical-laboratories/directory/molecular-pathology-and-genetics/