




Memorandum Core #167

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

From:  Herbert C. Whinna, MD, PhD
Medical Director, McLendon Clinical Laboratories

Date: August 7, 2020

SUBJECT: Change from TEG[®]-to-ROTEM[®] for Whole Blood Viscoelastic Testing

After discussion and collaboration with Surgery and Anesthesiology, UNC Medical Center McLendon Clinical Laboratories Core Laboratory will implement a change from TEG[®]-to-ROTEM[®] for whole blood viscoelastic testing on 10-Aug-2020 starting at approximately 8:30 am.

While TEG[®] and ROTEM[®] are similar, they are not identical technologies. The table below is given to assist with the conversion:

New ROTEM TESTS	Old TEG TESTS
EXTEM [LAB10184]	RAPID TEG
EXTEM [LAB10184] (Heparin doesn't interfere until 4 U/mL in whole blood or 8 U/mL in plasma)	RAPID TEG W/ HEPARINASE
INTEM [LAB10183]	STANDARD TEG
HEPTEM [LAB10185]	STANDARD TEG W/ HEPARINASE
FIBTEM [LAB10186]	NO EQUIVALENT TEG TEST- USED TO ACCESS FIBRINOGEN (BY BLOCKING PLATELET CONTRIBUTION TO CLOT FIRMNESS) ORDER WITH EXTEM.
APTEM [LAB10187]	NO EQUIVALENT TEG TEST- USED IF PATIENT HAS SIGNIFICANT FIBRINOLYSIS- EXTEM MUST BE ORDERED WITH APTEM AS A REFERENCE FOR CORRECTION OF FIBRINOLYSIS.

The following is the disclaimer from ROTEM[®] on use of this testing:

ROTEM[®] tests are not intended for use on patients under 21 years of age. Results from the ROTEM[®] *delta* should not be the sole basis for a patient diagnosis; the ROTEM[®] *delta* results should be considered along with a clinical assessment of the patient's condition and other coagulation laboratory tests.

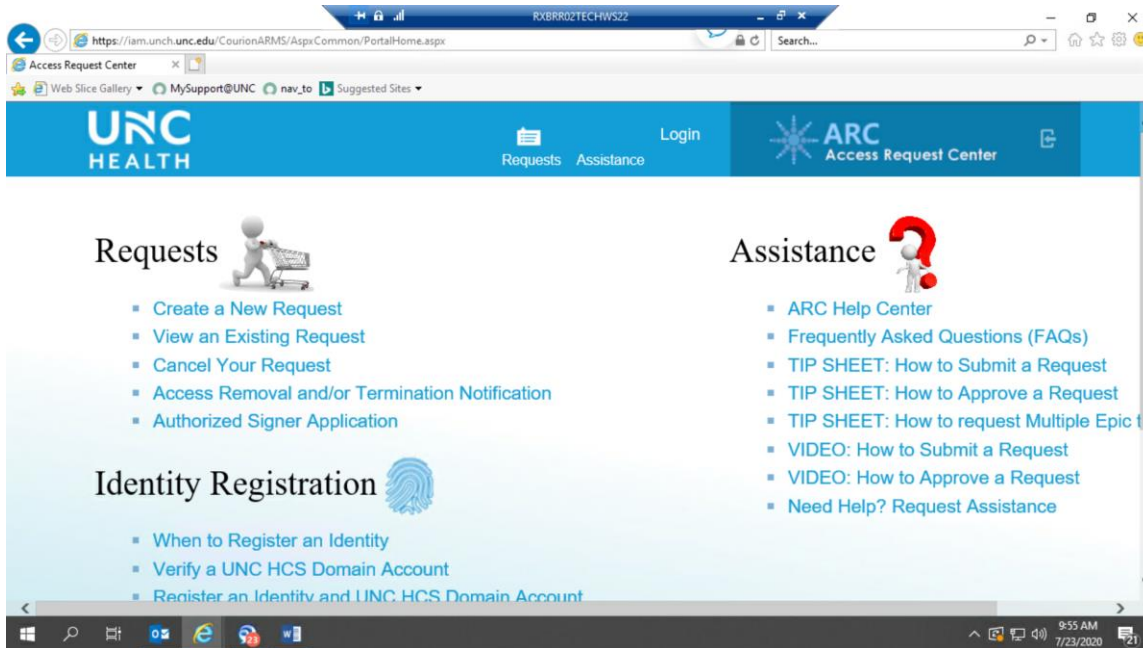
In addition, there is no ROTEM® equivalent to TEG® Platelet Mapping so that testing (PLATELET MAPPING [LAB5330]) will continue to be available.

There is remote viewing of ROTEM® available, please see information on the next page(s) for info on requesting access and logging on.

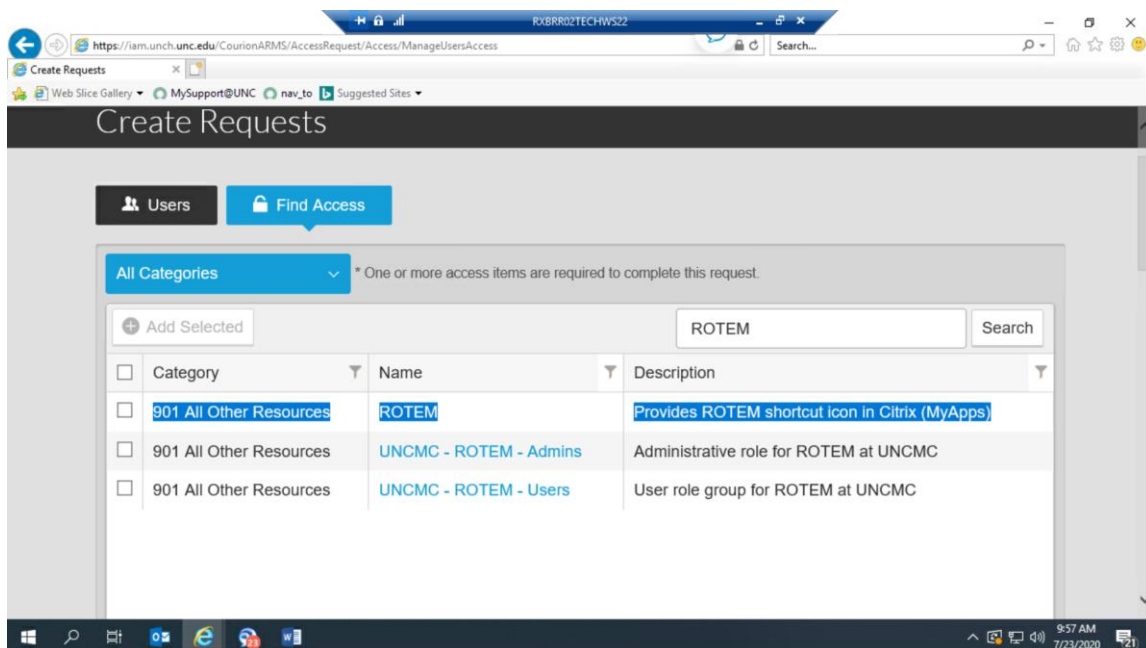
Please contact Dr. Whinna (Herbert.Whinna@unhealth.unc.edu/984-974-1500) for questions concerning the laboratory tests.

Requesting Remote Viewing of ROTEM

- 1.) Navigate to Access Request Center (ARC). URL is <https://iam.unch.unc.edu/CourionARMS/AspxCommon/PortalHome.aspx>



- 2.) Select "Create a New Request"
- 3.) Click "Find Access"
- 4.) Type in "ROTEM" in search bar and click "Search"
- 5.) Select checkmark next to option highlighted in below screenshot



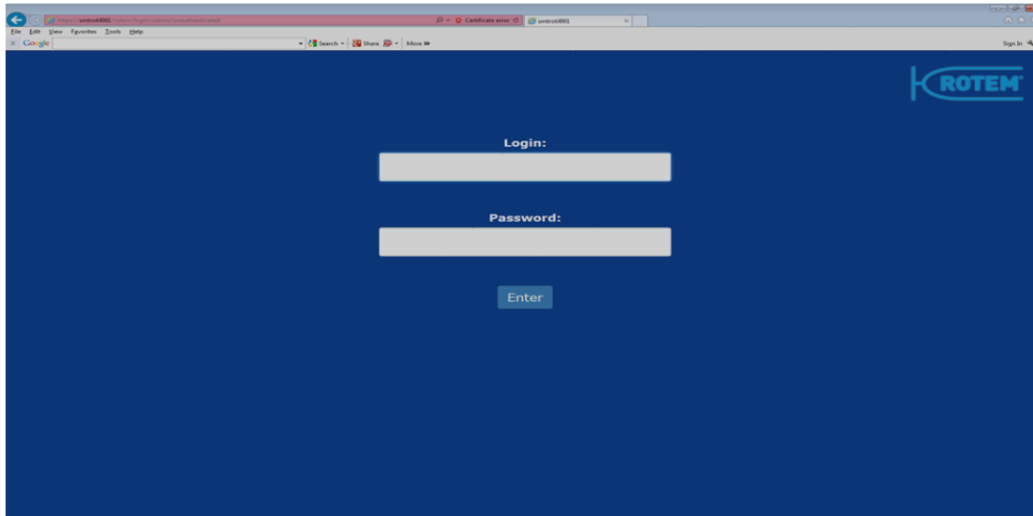
ROTEM Live Sign in Directions:

1. Navigate to myapps.unch.unc.edu
2. Log-in using UNCH credentials
3. Complete 2 Factor Authentication
4. Click on the following icon within your app icon list



ROTEM

5. This will direct you to <https://rotem.unch.unc.edu/rotem/logincustom/unauthenticated>
6. Log-in using your credentials



1. After logging in, you will be presented with fields titled patientID field and sampleID. The **patient ID field is where the patient's MRN would be entered.**
2. Press the Search button

