

ROTEM Ordering Algorithm – Open Heart

Pre-OP

Platelet Reactivity, Aspirin Reactivity, and
ROTEM Cardiac Baseline Panel

- Check for P2Y12 reversal - Order Platelet Reactivity LAB9290
- Check Aspirin reversal - Order Aspirin Reactivity LAB9291
- Check ROTEM for adequate coagulation
- NOTE - Check for **HYP**ERcoagulable state

● Cardiac Baseline Panel

- ✓ EXTEM - Rotem Extrinsic Pathway - STAT
STAT, today at 1319, For 1 occurrence
- ✓ FIBTEM - Rotem Clot Firmness - STAT
STAT, today at 1319, For 1 occurrence
- ✓ INTEM - Rotem Intrinsic Pathway - STAT
STAT, today at 1319, For 1 occurrence
- ✓ HEPTTEM - Rotem assay to inactivate Heparin - STAT
STAT, today at 1319, For 1 occurrence

On-Pump

ROTEM On-Pump Panel

- Draw 30 minutes prior to coming Off-Pump
- Abnormalities expected - Patient still COLD and HEPARINIZED
 - About a 5% change is expected
- Check for marked factor, fibrinogen or platelet dysfunction

● On-Pump Panel

- ✓ EXTEM - Rotem Extrinsic Pathway - Once
Once, today at 1319, For 1 occurrence
- ✓ FIBTEM - Rotem Clot Firmness - Once
Once, today at 1319, For 1 occurrence
- ✓ HEPTTEM - Rotem assay to inactivate Heparin - Once
Once, today at 1319, For 1 occurrence

Follow-Up

ROTEM Follow-Up Panel, ACT

- Draw 10 minutes after Protamine Reversal
- Check for adequate Heparin reversal
- Check for coagulation deficits, and treat
- Repeat for continued bleeding

● Cardiac Follow-Up Panel - DO NOT place follow-up ROTEM orders until needed

- ✓ EXTEM - Rotem Extrinsic Pathway - Once
Once, today at 1320, For 1 occurrence
- ✓ FIBTEM - Rotem Clot Firmness - Once
Once, today at 1320, For 1 occurrence
- ✓ INTEM - Rotem Intrinsic Pathway - Once
Once, today at 1320, For 1 occurrence
- ✓ HEPTTEM - Rotem assay to inactivate Heparin - Once
Once, today at 1320, For 1 occurrence

ICU - Bleeding

ROTEM ICU Basic Panel

- Check for adequate Heparin reversal
- Check for coagulation deficits, and treat if needed
- Check for **HYP**ERcoagulability
- Repeat for continued bleeding

● ROTEM - ICU Viscoelastic Panels

● ICU Basic Panel

- ✓ EXTEM - Rotem Extrinsic Pathway - STAT
STAT, today at 1321, For 1 occurrence
- ✓ FIBTEM - Rotem Clot Firmness - STAT
STAT, today at 1321, For 1 occurrence
- ✓ INTEM - Rotem Intrinsic Pathway - STAT
STAT, today at 1321, For 1 occurrence
- ✓ HEPTTEM - Rotem assay to inactivate Heparin - STAT
STAT, today at 1321, For 1 occurrence

ICU - Stable

Platelet Reactivity, Aspirin Reactivity Tests

- Evaluate Pre-Op ROTEM for Hypercoagulability
- Ensure adequate anti-coagulation:
 - P2Y12 Inhibitors (Plavix) PRU Test- Order Platelet Reactivity Units (PRU) LAB9291
 - Aspirin Test - Order Aspirin Reactivity LAB9290

Procedures ^

	Name	Frequen...	Summary	Code
	Aspirin Reactivity Test	Once		LAB9290
	Platelet Reactivity (aka PLATELET REACTIVI...	Once		LAB9291