

# Covenant HealthCare Laboratory Services

## Important Update January 2008

Covenant HealthCare Laboratory Services will begin using new Coagulation instrumentation (ACL TOP) and reagents effective January 22, 2008.

The ACL TOP coagulation instrument is a fully automated system that helps high volume laboratories improve patient care. This state-of-the-art system provides clotting, chromogenic and immunoturbidimetric testing. STAT samples may be introduced at any time, without disrupting operation.

With this instrumentation update there will be some minor changes in reference ranges, see chart below:

### Coagulation Ranges Effective 01/22/08

Tests	Current Reference Ranges	Current Critical Values	New Reference Ranges	New Critical Values
Non-therapeutic Prothrombin	10.0 – 14.9 sec.	≥ 1.8 INR	10.3-13.2	≥ 1.8 INR
Therapeutic Prothrombin	15.0 – 56.2 sec.	N.A.	23.7-56.4	N.A.
INR	1.3 – 4.6	≥ 5.5	2.0-4.6	≥ 5.5
Non-therapeutic APTT	22.0 – 40.0 sec.	>45.0 sec	22.0-40.0 sec.	>45.0 sec
Therapeutic APTT	60.0 – 110.0 sec.	>110.0 sec	60.0-110.0 sec.	>110.0 sec
D Dimer	0.0 –350.0 ng/ml	>500 ng/ml	0.0-300.0 ng/ml	>500 ng/ml
Fibrinogen	200-400 mg/dl	<100 >800 mg/dl	250-490 mg/dl	<100 >800 mg/dl

Please share this information with the appropriate staff members. Refer questions regarding this change to Daniel Warner, Core Laboratory Coordinator, 583-6746 or Dr. Nicholas Hruby, Laboratory Medical Director, 583-6703.

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Core Laboratory Coordinator

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