

# PROCEDURE

## Corewell Health East - Automated Chemistry Core Lab, Stat Lab, and Urinalysis Test Menu - Royal Oak

**This Procedure is Applicable to the following Corewell Health sites:**  
Corewell Health William Beaumont University Hospital (Royal Oak)

**Applicability Limited to:** N/A

**Reference #:** 34252

**Version #:** 2

**Effective Date:** 12/03/2025

**Functional Area:** Clinical Operations, Laboratory

**Lab Department Area:** Lab - Chemistry, Lab - Urinalysis

### 1. Principle

The purpose of this document is to provide technical staff with the analytes performed in Automated Chemistry, including Urinalysis and Stat Lab.

### 2. Responsibility

Personnel who have completed the competency requirements will perform this testing.

### 3. Procedure—Test Menus

#### A. Core Lab

Abbott Architect c16000/c8000							
Serum/Plasma			Serum	Urine		Body Fluid	
A1-Antitrypsin	Chloride	LDL Chol (Direct)	Amikacin	Amylase	Amphetamine	Peritoneal	Pleural
ACE	CO2	Lipase	Carbamazepine	Calcium	Barbiturate	Albumin	Albumin
Albumin	Creatinine	Lipoprotein(a)	Gentamicin	Chloride	Benzodiazepine	Amylase	Amylase
Alk Phos	Cystatin C	Magnesium	LD	Creatinine	Cocaine	Tbili	Tbili
ALT	CRP	Na	Phenobarbital	Glucose	Methadone	Cholesterol	Cholesterol
Amylase	CRP High Sensitivity	Phosphorus	Phenytoin	Magnesium	Opiates	Creatinine	Glucose
ASO	Dbili	PLACA	Theophylline	Albumin	PCP	Glucose	LD
AST	GGT	Pre-Albumin	Tobramycin	Phosphorus	Cannabinoid	LD	Tot Protein
Beta 2 Microglobulin	Glucose	Rheumatoid Factor	Valproic Acid	Potassium	Fentanyl	Tot Protein	Triglycerides

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BUN	Hapto-globin	Tbili	Vancomycin	Sodium	Oxycodone	Triglycerides	<b>Pancreatic</b>
C3 Complement	HDL Chol	Total Protein		Total Protein		<b>Amniotic</b>	Amylase
C4 Complement	IgA	Transferrin		Urea (UUN)		Glucose	Glucose
Calcium	IgG	Triglycerides		Uric Acid		<b>Dialysate</b>	<b>Pericardial</b>
Ceruloplasmin	IgM	Uric Acid				Creatinine	Glucose
Cholesterol	Iron					Glucose	LD
CK	K					Urea Nitrogen	Total Protein

Abbott Architect i2000				
Serum			Plasma	Fluid
BhCG	FSH	PSA, Free	BNP	<b>CSF</b>
Cortisol	LH	PSA, Total	HS Troponin I	HCG
Estradiol	Progesterone	PTH	HIV 1/2 Antibody	
Ferritin	Prolactin	Syphilis Antibody, Total		
Folate	Vitamin B12	TSH		
Free T3		Vitamin D 25-OH		
Free T4		COVID, Anti-Spike, IgG		

Abbott Alinity			
Serum			Fluid
AFP-Tumor Marker	HAV Antibody IgM	Homocysteine	<b>Peritoneal</b>
CA 19-9	HAV Antibody, IgG	Insulin	CA 19-9
CA 15-3	HBc Antibody, IgM	SHBG	<b>Pleural</b>
CA 125	HBc Antibody, Total	Testosterone, Total	CA 19-9
CEA	HBs Antibody		<b>Pancreatic</b>
C-Peptide	HBs Antigen/ Conf		CEA
DHEA-S	HCV Antibody, Total		CA 19-9
			<b>CSF</b>
			AFP

<b>Polymedco Diana</b>	<b>Bio-Rad Geenius</b>	<b>Hemocue</b>
Occult Blood, FECAL (FIT) non waived	HIV 1/2 Supplemental Assay	Plasma Hgb

## B. Stat Lab

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Abbott Architect ci16200				
Serum/Plasma		Plasma	Serum	Body Fluid
Albumin	Dbili	Ammonia	Acetaminophen	CSF Glucose
Alk Phos	Ethanol	BNP	Digoxin	CSF Lactate
ALT	Glucose	Lactate	Lithium	CSF LD
AST	K	Procalcitonin	LD	CSF Protein
Amylase	Lipase	PTH (intact)	MTX	
BhCG	Magnesium	HS Troponin I	Salicylate	
B-OH Butyrate	Myoglobin	HIV 1/2 Antibody		
BUN	Na			
Calcium	Phosphorus			
CK	Tbili			
Chloride	Total Protein			
CO2	Uric Acid			
Creatinine				

Radiometer ABL 825			
Whole Blood			Serum
Chloride	K	p 50	Ionized Ca++
CO Hgb%	Lactate	p CO2	Pleural Fluid
Glucose	Met Hgb%	pH (Art, Ven, Cap)	pH
Hematocrit	Na	p O2	
Ionized Ca ++	O2 Hgb%	Total Hemoglobin	
HCO3 ©	tCO2 ©	Base Excess	

Sysmex Hemo XN-3100			ACL Top 550
Measured		Derived	Plasma
Baso %	Platelet Count	Diff absolute counts	INR, non waived
EO%	Platelet-F	Hematocrit	PT
IG #	RBC	MCH	PTT
IG %	RDW-CV	MCHC	D-Dimer
Lymph %	Ret %	Neut %	
MCV	Total Hgb	NRB %	
Mono %	WBC	RDW-SW	
NRBC #		Ret #	

Maunal Procedures	Osmometer	TEG6S	Hologic fFN	Verify Now
hCG, Urine (qual, waived)	Osmolality, serum/plasma	Viscoelastography	Fetal Fibronectin	P2Y12 for Antiplatelet Effect
Infectious Mono Ab (non-waived)	Osmolality, urine	Viscoelastography with Fibrinolysis		Aspirin Effect
Occult Blood, fecal, waived				
Occult Blood, gastric, waived				
WBC Differential,				

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Manual				
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### C. Urinalysis

Manual Tests		Sysmex Novus, UF5000, UD-10, UDM	Clinitek Advantus
hCG, urine (waived)	pH, body fluids	Dipstick, automated, non-waived	Dipstick, automated, non-waived
Occult blood, gastric, waived		Microscopic, automated	
Occult blood, fecal, waived	Dipstick, manual, waived	Osmometer	Refractometer
pH, gastric, non-waived		Osmolality, serum/plasma	Specific gravity -urine
		Osmolality, urine	

#### 4. Revisions

Corewell Health reserves the right to alter, amend, modify, or eliminate this document at any time without prior written notice.

#### 5. Procedure Development and Approval

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#### 6. Keywords

Not Set