

# Beaumont

Origination: 2/1/2022

Effective: 2/1/2022

Last Approved: 2/1/2022

Last Revised: 2/1/2022

Next Review: 2/1/2024

Document Contact: Colette Kessler: Mgr

Laboratory

Area: Laboratory-Chemistry

Key Words:

Applicability: Royal Oak

## Chemistry Panels: Availability and Tests - Royal Oak

Document Type: Policy

### I. PURPOSE AND OBJECTIVE:

The purpose of this document is to define Chemistry Panels within Automated Chemistry.

### II. POLICY STATEMENT:

- A. Most Chemistry Panels are ROUTINE test combinations that are performed in the Core Chemistry Lab on the Automated Line. A limited set of Panels are available STAT, as defined on the [STAT Testing List](#). Others are offered for the Emergency Center (EC) ONLY and are performed in the Stat Chemistry Lab. See tables below for availability options and tests that are included in each Panel.

**CHEMISTRY PANELS (as of 11/02/2021)**

Electrolyte Panel	Comprehensive Metabolic Panel	Basic Metabolic Panel	Renal Function Panel	Intensive Care Unit (ICU) Panel for ICUs Inpatients only	Hepatic Function Panel
Sodium Potassium Chloride CO2	Sodium Potassium Chloride CO2 Glucose BUN Creatinine Calcium Albumin Total Protein AST ALT Alkaline Phosphatase Bilirubin Total	Sodium Potassium Chloride CO2 Glucose BUN Creatinine Calcium	Sodium Potassium Chloride CO2 Glucose BUN Creatinine Calcium Phosphorus Albumin	Sodium Potassium Chloride CO2 Glucose BUN Creatinine Calcium Phosphorus Albumin Total Protein AST ALT Alkaline Phosphatase Bilirubin Total	Albumin Total Protein AST ALT Alkaline Phosphatase Bilirubin Total Bilirubin Direct

				Magnesium	
--	--	--	--	-----------	--

#### CHEMISTRY PANELS (as of 11/02/2021)

Nutrition Panel Inpatients only	Lipid Panel
Sodium Potassium Chloride CO2 Glucose BUN Creatinine Calcium Phosphorus Albumin Total Protein Prealbumin Magnesium Triglycerides	Total Cholesterol Triglycerides HDL Cholesterol LDL Cholesterol (calculated)

#### Chemistry Panel Test Availability – STAT or Routine

Chemistry Panel	STAT	Routine	Specimen	Comments
<b>Basic Metabolic</b>	Y	Y	SST or PST	
<b>Electrolyte</b>	Y	Y	SST or PST	
Comprehensive Metabolic**	N	Y	SST or PST	**STAT for EC Patients ONLY
Renal Function**	N	Y	SST or PST	**STAT for EC Patients ONLY
ICU	N	Y	SST or PST	ICU Patients ONLY
Hepatic Function**	N	Y	SST or PST	**STAT for EC Patients ONLY
Nutrition	N	Y	SST	Inpatients ONLY
Lipid	N	Y	SST	
<b>Blood Gases</b>	Y	N	ABG syringe	
<b>Blood Gas Critical Care</b>	Y	N	ABG syringe	

#### B. Turn Around Time (TAT) Notes

1. STAT offered Chemistry Panels are available 7 x 24 hours and have an approximate turnaround-time (TAT) within 1 hour of specimen receipt in STAT Lab.
2. Routine Chemistry Panels are available 7 X 24 hours and have an approximate TAT within 4 hours of specimen receipt in Core Lab.

#### C. Specimen Collection and Handling

1. EC and Inpatient specimens for STAT available Panels should be delivered to STAT Lab.

2. The SST specimen is delivered appropriately to the STAT or Core Lab for specimen processing (receiving, centrifugation, testing).
3. The ABG Syringe is delivered to the STAT Lab for specimen processing and testing.
4. For Outreach collections, the SST is centrifuged in the Client's office, delivered by Courier to Outreach Specimen Processing for accessioning.
5. Outreach and Outpatient specimens for Routine and STAT offered Panels should be delivered to Core Lab for testing.

D. **Expected Values:** See [Lab Test Directory](#) for reference ranges of specific analytes that comprise Chemistry Panels.

E. **Reportable Range:** See specific analyte procedures.

## Attachments

No Attachments

## Approval Signatures

Step Description	Approver	Date
Medical Director	Ann Marie Blenc: System Med Dir, Hematopath	2/1/2022
Policy and Forms Steering Committee Approval (if needed)	Colette Kessler: Mgr Laboratory [RC]	2/1/2022
Policy and Forms Steering Committee Approval (if needed)	Gail Juleff: Project Mgr Policy	2/1/2022
Lab Chemistry Best Practice Committee	Elizabeth Sykes: System Med Dir, Chemistry	1/31/2022
Lab Chemistry Best Practice Committee	Qian Sun: Tech Dir, Clin Chemistry, Path	1/31/2022
	Colette Kessler: Mgr Laboratory [RC]	1/31/2022

## Applicability

Royal Oak