

## LABORATORY- SPECIMEN TUBE TYPE

### BLOOD BANK

\*These specimens for Blood Bank  
require special training and can only  
be collected by trained RRMCC staff.

Please call Blood Bank before  
collecting at ext. 1809

**BD Pink 6ml K2 EDTA**



- \*ABO/Rh
- \*Antibody Screen
- \*Blood Bank RBC, PLT, FFP,  
CRYO, RHOGAM
- \*DAT
- \*Hold Clot
- \*Type and Screen

FOR NEWBORN PATIENTS ONLY  
ABORH Newborn, DAT, Dir.Coombs



4mL



2 ml

**Grenier or BD Lavender EDTA**

4mL tube requires 2mL minimum

2mL tube requires 1mL minimum

### COAGULATION



3 or 2.7 mL



2 or 1.8 mL

**Grenier or BD Light Blue Sodium Citrate**

-Grenier **MUST** fill to within triangle  
marker

-BD must fill to top of label

- D-Dimer
- DIC (add Lavender)
- Anti Xa (draw at RRMCC only)
- Fibrinogen
- Protime (PT/INR)
- PTT
- Thrombin Time

### HEMATOLOGY



4 mL



2mL

**Grenier or BD Lavender EDTA**

4mL tube requires 2mL minimum

2mL tube requires 1mL minimum

- CBC
- DIC (+ Blue Top)
- H&H
- Immature Platelet Fraction
- Monoscreen
- Platelet Count
- Retic Count
- Sed Rate (ESR)
- WBC Count

**PLEASE SEE LABORATORY TEST**

**CATALOG <https://rrmclab.testcatalog.org/>  
FOR ADDITIONAL ACCEPTABLE TUBE  
TYPES**

### CHEMISTRY



**3 or 5 mL Grenier or BD  
Green/Yellow or Light Green  
Gel Separator**

- Acetaminophen
- Acetone
- Albumin
- Alkaline Phosphatase
- ALT
- Amylase
- AST
- Bilirubin Direct or Total
- BMP (*fasting recommended*)
- BUN
- C3 & C4 Complement
- CA 125
- CA 19-9
- Calcium
- Carbamazepine (Tegretol)
- Carcinoembryonic Ab (CEA)
- Cholesterol (HDL, LDL Total) CK
- CMP (*fasting recommended*)
- Cortisol
- Creatinine
- C Reactive Protein
- Digoxin
- Dilantin (Phenytoin)
- Ferritin
- FSH
- Gentamicin
- GGT
- Glucose (*fasting recommended*)
- HCG Quantitative
- Haptoglobin
- Hepatic Function Panel
- High Sensitivity CRP
- High Sensitivity Troponin
- LDH **[keep Room Temp]**
- Iron
- LH
- Lipase
- Lipid Profile (*fasting recommended*)
- Lytes
- Magnesium
- NT-proBNP
- Phenobarbital
- Phosphorus
- Prolactin
- Procalcitonin
- PSA
- Renal Panel (*fasting recommended*)
- Salicylate
- T3 Free & T4 Free
- T4 Total
- Transferrin
- Total Protein
- Triglycerides
- TSH
- TSH Cascade
- Uric Acid
- Valproic acid
- Vancomycin
- Vitamin D Total (25 hydroxy)
- VB12

### CHEMISTRY (cont.)



4 mL

2 mL

**Grenier or BD Lavender EDTA**

4mL tube requires 2mL minimum

2mL tube requires 1mL minimum

Ammonia (deliver to lab on ice within 15 minutes)  
HGB A1C



5 mL

**Grenier or BD Gold Gel Separator**

- CCP Abs
- Estradiol
- Folate
- Hepatitis Acute Panel (2 tubes)
- HIV Ab 1/2 & p24 Ag
- Lithium
- Lyme Serology or Western Blot
- Mumps Ab
- Rubella Ab
- Rubeola (Measles) Ab
- Progesterone
- Osmolality
- Syphilis Ab
- T3 Total
- Varicella zoster Ab



4 mL

**Grenier or BD**

**Dark Green Lithium Heparin**

**(ON ICE, STAT TO LAB WITHIN 15  
MINUTES)**

- Carboxyhemoglobin
- Critical Care Panel (CCP)
- Ionized Calcium
- (included in CCP)
- Lactate
- (included in CCP)
- Arterial Blood Gas
- (included in CCP)
- Venous Blood Gas
- (included in CCP)

## LABORATORY- SPECIMEN TUBE TYPE

### Reference Testing (Send outs):

Send-out testing may require special handling procedures and specific volumes. Please call ext. 1794 for confirmation.



9 or 10 mL

**Grenier or BD Plain Red**

Aldolase  
Aldosterone  
Angiotensin Converting Enzyme  
Beta 2 Microglobulin  
C1 Esterase Inhibitor Functional  
CA 15-3  
Calcitonin Level  
Clozapine (Clozaril)  
Complement Total  
Lipoprotein  
Phenytoin T&F  
Serotonin  
Trazodone Level



5mL

**Grenier or BD Gold Gel Separator**

Acetylcholine Receptor Binding Ab  
Alkaline Phosphatase Isoenzymes  
Alpha 1 Antitrypsin  
Antineutrophil Cytoplasmic Ab ANCA  
Beta-Carotene (**light protect**)  
CA 27-29  
Cardiolipin Ab  
Celiac Disease Serology Cascade  
Celiac Disease Comprehensive  
Cascade Ceruloplasmin  
Cytomegalovirus CMV IgG  
Epstein Barr Virus Ab Panel  
Erythropoietin  
Herpes Simplex Virus Ab  
Hypersensitivity Pneumo Panel IgG  
IgE  
IgG Subclasses  
Immunoglobulin Free Light Chains  
Insulin  
Ionized Calcium (**DO NOT OPEN**)  
Keppra (Levetiracetam)  
Lamotrigine (Lamictal) Mitochondrial Ab  
Osmolality  
Prealbumin  
Protein Electrophoresis Thyroglobulin  
Tumor Marker Thyroid Abs  
Thyroperoxidase  
TICK ANTIBODY Panel (NOT DNA)  
Tobramycin



3 or 2.7 mL

**Grenier or BD Light Blue Sodium Citrate**

-**Grenier** MUST fill to within triangle marker

-**BD** must fill to top of label

**[Call for special handling!]**

AT3 Functional (2 Tubes)  
Factor 2 (II) (2 Tubes)  
Factor 8 (VIII) (2 Tubes)  
Factor 9 (IX) (2 Tubes)  
Factor 11 (XI) (2 Tubes)  
Factor 12 (XII) (2 Tubes)  
Lupus Anticoagulant Profile (7 Tubes)  
Protein C&S (2 Tubes)



4 mL

2 mL

**Grenier or BD Lavender EDTA**

4mL tube requires 2mL min.

2mL tube requires 1mL min.

ACTH [draw at RRM only]  
CD4 T-Cell [Room Temp]  
Cyclosporine  
FK506 (Tacrolimus)  
Hemochromatosis HFE [Room Temp]  
HIV1 Quantitative (2 Tubes)  
HLA B27 [Room Temp]  
Homocysteine [Spin, Sep, & Freeze]  
JAK2 [Room Temp]  
PTH  
Lead  
Sirolimus (Rapa)  
TICK Borne DNA Panel  
Vitamin B1 (Thiamine) **Overnight Fast, light protect whole blood in amber vial and freeze immediately.**



6mL

**ACD Solution B Tube [Do Not Spin]**

Celiac Comprehensive Cascade  
Cystic Fibrosis Carrier  
Factor 5 (V) Leiden Mutation  
MethyleneTetraHydroFolate Red Mut  
PT G20210A Mutation  
Tay Sachs (2 full tubes)

### Order of draw for multiple tube collections:

**FIRST** Blood Cultures – **Blue -Red - GOLD - Green/Yellow- Sodium heparin- Lavender -Yellow ACD** **LAST**