

CLINICAL CHEMISTRY ACCEPTABLE SPECIMEN TUBE TYPES USING "BD" VACUTAINERS OR "GREINER" VACUETTE (for Abbott Architect)

Revised: Sep 2018

CHEMISTRY LAB:	RECOMMENDED	ALSO ACCEPTABLE				TEST	RECOMMENDED	ALSO ACCEPTABLE			
TEST	(PREFERRED)						(PREFERRED)				
Acetaminophen	Red	Green				Hepatitis A Ab (IGG)	Gold		Red		
AFP	Light Green	Green	Red	Gold		Hepatitis A Ab (IGM)	Gold	Green	Red		Light Green
Albumin	Light Green	Green	Red	Gold		Hepatitis B Core Ab (Tot)	Gold	Green	Red		Light Green
Alcohol (Ethanol)	Light Green	Green	Red	Gold	Gray	Hepatitis B Core Ab (IgM)	Gold	Green	Red		Light Green
Alkaline Phosphatase	Light Green	Green	Red	Gold		Hepatitis B Surface Ab	Gold	Green	Red		Light Green
Alpha1-Antitrypsin	Light Green	Green	Red			Hepatitis B Surface Ag	Gold	Green	Red		Light Green
ALT (SGPT)	Light Green	Green	Red	Gold		Hepatitis C Antibody	Purple				
Amikacin	Red	Green				HDL	Light Green	Green	Red	Gold	
Ammonia	Collect/Send "ON ICE"	"ON ICE"	Note: Send to lab "IMMEDIATELY"			HIV AG/AB COMBO	Gold		Red		
Amylase	Light Green	Green	Red	Gold		Iron	Light Green	Green	Red	Gold	
Anti-CCP	Gold		Red		Light Green	Lactic Acid	Collect/Send "ON ICE"	Note: Send to lab "IMMEDIATELY"			
Anti-thyroglobulin	Gold		Red			LDH	Light Green	Green	Red	Gold	
AST (SGOT)	Light Green	Green	Red	Gold		LDL (Direct)	Light Green	Green	Red	Gold	
B12	Light Green		Red	Gold		LH	Light Green	Green	Red	Gold	
Beta-hydroxybutyrate	Light Green	Green	Red	Gold		Lipase	Light Green	Green	Red	Gold	
Bilirubin (Total/Direct)	Light Green	Green	Red	Gold		Lithium	Red	Green		Gold	
BNP	Purple					Magnesium	Light Green	Green	Red	Gold	
BR 15-3 (CA 15-3)	Light Green	Green	Red	Gold		Methotrexate	Red	Green			
CA 125	Light Green	Green	Red	Gold		Genius HIV-1,2 Antibody Confirmation	Gold	Green	Red		Light Green
CA 19-9	Gold	Green	Red		Light Green	MPA	Purple		Red		Light Green
Calcium	Light Green	Green	Red	Gold		Osmolality	Light Green	Green	Red	Gold	
Carbamazepine	Red	Green				Phenobarbital	Red	Green			
CO2	Light Green	Green	Red	Gold		Phosphorus	Light Green	Green	Red	Gold	
CEA	Light Green	Green	Red	Gold		Potassium	Light Green	Green	Red	Gold	
Ceruloplasmin	Gold		Red			Pre-Albumin (PAB)	Gold		Red		
Chloride	Light Green	Green	Red	Gold		Procalcitonin	Red				
Cholesterol	Light Green	Green	Red	Gold		Progesterone	Light Green	Green	Red	Gold	
CKMB	Light Green	Green				Prolactin	Light Green	Green	Red	Gold	
Cortisol	Light Green	Green	Red	Gold		Protein (Total)	Light Green	Green	Red	Gold	
CK	Light Green	Green	Red	Gold		PSA	Gold		Red		
Creatinine	Light Green	Green	Red	Gold		PTH	Purple	Green			
CRPH	Light Green	Green	Red	Gold		Rheumatoid Factor	Gold		Red		
Cyclosporine	Purple					Salicylate	Red	Green			
Digoxin	Red					Sirolimus	Purple				
Dilantin (Phenytoin)	Red	Green				Sodium (Na)	Light Green		Red	Gold	
Dilantin, Free	Red	Green				T3	Light Green	Green	Red	Gold	
Estradiol	Light Green		Red	Gold		T4	Light Green	Green	Red	Gold	
Everolimus	Purple					Tacrolimus	Purple				
Ferritin	Light Green		Red	Gold		Tricyclic Screen	Red	Green			
Folate	Light Green		Red	Gold		Theophylline	Red	Green			
Free PSA	Gold		Red			Tobramycin	Red	Green			
Free T3	Light Green	Green	Red	Gold		Transferrin/TIBC	Light Green	Green	Red	Gold	
Free T4	Light Green	Green	Red	Gold		Triglyceride	Light Green	Green	Red	Gold	
FSH	Light Green	Green	Red	Gold		Troponin-I	Light Green	Green			
Gentamicin	Red	Green				Troponin-I (ED ONLY)		>Green	-Use 4mL tube for Direct Delivery		
GGT	Light Green	Green	Red	Gold		TSH	Light Green	Green	Red	Gold	
*GLUCOSE	Gray	Green	Red	Gold	Light Green	TSH (Reflex/Cascade)	Light Green	Green	Red	Gold	
HCG	Light Green	Green	Red	Gold		Urea Nitrogen (BUN)	Light Green	Green	Red	Gold	
						Uric Acid	Light Green	Green	Red	Gold	
						Valproic Acid	Red	Green			
						Vancomycin	Red	Green			

NOTES:

*GLUCOSE: A Gray top tube is "recommended" for Glucose testing to prevent glycolysis. Other tubes (Red,Green) are also acceptable if "centrifuged" and "tested" within "2" hours after collection. Other tubes (Light Green and Gold) are also acceptable if "centrifuged" within "2" hours after collection and "tested" within "8" hours of collection (if stored at room temperature) or "72" hours of collection (if stored refrigerated).

**PTH: Red tops are acceptable, but not recommended due to lower analyte stability (@4 hours at Room Temperature)

COLLECTION TUBE CONTENTS (GREINER VACUETTE):

Light Green-Yel Ring	: Contains Lithium Heparin and Separator "Gel"
Gold-Gold Ring	: Contains Serum Separator "Gel" and Clot Activator
Red-Black Ring	: Contains Serum Clot Activator
Purple-Black Ring	: Contains EDTA

TUBE SIZE ON LABEL (Blood Vacuum Draw):

5 mL
5 mL
6 mL
6.0 or 3.0 mL

COLLECTION TUBE CONTENTS (BD VACUTAINER):

Light Green	: Contains Lithium Heparin and Separator "Gel"
Green	: Contains Sodium Heparin only
Gold	: Contains only a Separator "Gel"
Red	: Contains Nothing
Purple	: Contains EDTA
Gray	: Contains Sodium Fluoride and Potassium Oxalate

TUBE SIZE ON LABEL (Blood Vacuum Draw):

4.5 mL
6.0 or 4.0 mL
5.0 mL
6.0 mL
6.0 or 3.0 mL
4.0 mL

Special Chemistry tests can be found on the next page

SPECIAL

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NOTE: Please draw an "Additional" tube if any of the test below are ordered along with any "Chemistry Lab" tests that may use the same colored tube to avoid not having enough blood to perform all the testing

Special Chemistry Lab	Recommended				
TEST	(PREFERRED)	ALSO ACCEPTABLE			
ADRENOCORTICOTROPIC HORMONE	Purple (On Ice)				
ALLERGEN	Gold				
ANTI-THYROPEROXIDASE AB (ATPO)	Gold				
ANTI-DNA AB	Gold				
ds DNA IGG	Gold				
ANTI-NUCLEAR AB	Gold				
BETA 2 MICROGLOBULIN	Gold				
C3 COMPLEMENT	Gold				
C4 COMPLEMENT	Gold				
C PEPTIDE	Red				
CRYOGLOBULIN	Red				
GROWTH HORMONE	Red	Gold			
GLIADIN DEAMIDATED AB IG (GLA) GLIADIN DEAMIDATED AB IGG (GLG)	Gold				
HAPTOGLOBIN	Gold				
HOMOCYSTEINE	Green (IC)		LG on ice		
H PYLORI IGG	Gold				
IGA	Light Green	Gold		Red	
IGG	Gold				
IGM	Gold				
IMMUNOFIXATION ELP	Gold				
JO1 AB IGG (JO1)	Gold				
KAPPA FREE LIGHT CHAIN	Gold				
LAMBDA FREE LIGHT CHAIN	Gold				
MITOCHONDRIAL (M2) AB (MTO)	Gold				
MUMPS IGG	Gold				
MYELOPEROXIDASE (MPO)AB IGG(MYEB)	Gold				
PROTEINASE 3 AB (PRA)	Gold				
RNP AB IGG (RNPB)	Gold				
RUBELLA IGG	Gold				
SCL 70 AB IGG (SCL)	Gold				
SERUM PROTEIN ELP	Gold				
SM AB IGG (SMAS)	Gold				
SSA R _o AB IGG (SSAS)	Gold				
SSB L _a AB IGG (SSBB)	Gold				
THYROGLOBULIN AB (ANTGB)	Gold				
TISSUE TRANSLUTAMINASE AB IGA(TTAB)	Gold				
TISSUE TRANSLUTAMINASE AB IGG(TTG)	Gold				
TOTAL IGE	Gold				
VARICELLA ZOSTER IGG	Gold				

Clinical Chemistry Lab
WVU Hospital
Morgantown, WV

MASS SPECTROMETRY LAB	Recommended				
TEST	(PREFERRED)	ALSO ACCEPTABLE			
LAMOTROGINE	Red				
LEVETIRACETAM	Red				
VITAMIN D	Gold				
VITAMIN E	Red				