

Chemistry Specimen Stability and Add-On Criteria
Methodist Pathology Center, Omaha, NE.

Panel	PST 4 Hours	PST 1 Day	PST 4 Day	SST 48 Hours	SST 4 Day	Other
BMP	Yes	No	No	Yes	Yes	
CMP	Yes	No	No	Yes	Yes	
Renal	Yes	No	No	Yes	Yes	
Hepatic	Yes	No	No	Yes	Yes	
Lipid	Yes	Yes	Yes	Yes	Yes	

Analyte	PST 4 Hours	PST 1 Day	PST 4 Day	SST 48 Hours	SST 4 Day	Other
Acetaminophen	NA	NA	NA	Yes	No	
Albumin	Yes	Yes	Yes	Yes	Yes	
A1AT	Yes	No	No	Yes	No	
AFP	Yes	No	No	Yes	No	
Alk Phos	Yes	Yes	Yes	Yes	Yes	
ALT	Yes	Yes	Yes	Yes	Yes	
Amylase	Yes	Yes	Yes	Yes	Yes	
AST	Yes	No	No	Yes	Yes	
B 12	NA	NA	NA	Yes	Yes	
BNP	NA	NA	NA	NA	NA	Ivory (EDTA Gel) Stable 4 HOURS
BUN	Yes	Yes	Yes	Yes	Yes	
C3	Yes	No	No	Yes	Yes	
C4	Yes	Yes	Yes	Yes	Yes	
CA 125	Yes	Yes	No	Yes	Yes	
CA 15.3	Yes	Yes	Yes	Yes	Yes	
CA 19.9	Yes	Yes	No	Yes	Yes	
Calcium	Yes	Yes	Yes	Yes	Yes	
Carbamazepine	Yes	No	No	Yes	No	
CEA	NA	NA	NA	Yes	Yes	EDTA Plasma Stable 4 Days
Chloride	Yes	Yes	Yes	Yes	Yes	
Cholesterol	Yes	Yes	Yes	Yes	Yes	
CK	Yes	Yes	Yes	Yes	Yes	
CK MB	Yes	Yes	Yes	Yes	Yes	Ivory (EDTA Gel) Stable 4 Days
CO2	Yes	Yes	No	Yes	Yes	
Cortisol	Yes	Yes	Yes	Yes	Yes	
Creatinine	Yes	Yes	Yes	Yes	Yes	
D Bilirubin	Yes	Yes	Yes	Yes	Yes	
Digoxin	No	No	No	Yes	No	
Estradiol	Yes	Yes	Yes	Yes	Yes	
Ethanol	NA	NA	NA	Yes	No	
Ferritin	Yes	Yes	Yes	Yes	Yes	
Folate	NA	NA	NA	Yes	Yes	
FSH	Yes	Yes	Yes	Yes	Yes	
FT3	Yes	Yes	Yes	Yes	Yes	
FT4	Yes	Yes	Yes	Yes	Yes	
GGT	Yes	Yes	Yes	Yes	Yes	
Gentamicin	Yes	No	No	Yes	No	
Glucose	Yes	No	No	Yes	Yes	
Haptoglobin	Yes	Yes	Yes	Yes	Yes	
HCG	Yes	Yes	Yes	Yes	Yes	
HDL	Yes	Yes	Yes	Yes	Yes	

Analyte	PST 4 Hours	PST 1 Day	PST 4 Day	SST 48 Hours	SST 4 Day	Other
Hepatitis B Ab	NA	NA	NA	Yes	Yes	
Hepatitis B Ag	NA	NA	NA	Yes	Yes	
hsCRP	Yes	Yes	No	Yes	Yes	
IgA	Yes	Yes	Yes	Yes	Yes	
IgG	Yes	Yes	Yes	Yes	Yes	
IgM	Yes	Yes	Yes	Yes	Yes	
Iron	Yes	Yes	Yes	Yes	Yes	
LD	No	No	No	Yes	Yes	
LH	Yes	Yes	Yes	Yes	Yes	
Lipase	Yes	Yes	Yes	Yes	Yes	
Lithium	Yes	Yes	Yes	Yes	Yes	
Magnesium	Yes	Yes	Yes	Yes	Yes	
Myoglobin	Yes	Yes	Yes	Yes	Yes	Ivory (EDTA Gel) Stable 4 Days
Phenobarbital	Yes	No	No	Yes	No	
Phenytoin	Yes	No	No	Yes	No	
Phosphorus	Yes	No	No	Yes	Yes	
Potassium	Yes	Yes	No	Yes	Yes	
Prealbumin	NA	NA	NA	Yes	Yes	
Progesterone	Yes	Yes	Yes	Yes	Yes	
Prolactin	Yes	Yes	Yes	Yes	Yes	
PSA	Yes	Yes	Yes	Yes	Yes	
Pseudocholinesterase	NA	NA	NA	Yes	No	
PTH	NA	NA	NA	Yes	No	Sample MUST be stored separated from cells within 1hr of collection. Separated EDTA Plasma Stable 3 Days
RF	Yes	No	No	Yes	No	
Salicylate	NA	NA	NA	Yes	No	
Sodium	Yes	Yes	No	Yes	Yes	
T Bil	Yes	Yes	Yes	Yes	Yes	
T3	Yes	Yes	Yes	Yes	Yes	
Testosterone	Yes	Yes	Yes	Yes	Yes	
Theophylline	Yes	No	No	Yes	No	
Thyroxine	Yes	Yes	Yes	Yes	Yes	
TIBC	Yes	Yes	Yes	Yes	Yes	
Total Protein	Yes	Yes	Yes	Yes	Yes	
Transferrin	Yes	No	No	Yes	No	
Triglyceride	Yes	Yes	Yes	Yes	Yes	
Troponin	Yes	Yes	No	No	No	Ivory (EDTA Gel) and SST Stable 1 day
TSH	Yes	Yes	Yes	Yes	Yes	
Uric Acid	Yes	Yes	Yes	Yes	Yes	
Valproate	Yes	No	No	Yes	No	
Vancomycin	Yes	Yes	No	Yes	No	

" NA" Indicates that the anticoagulant/sample type is not acceptable for the analyte

These data are informational and describe materials and performance criteria utilized in our laboratory.
Stability guidelines determined using Greiner VACUETTE® PST and SST tubes

Each laboratory is encouraged to perform their own studies using processing techniques, materials and criteria pertinent to their laboratory practice.

November 2008