**LABORATORY TUBE COLLECTION QUICK REFERENCE GUIDE**

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| **BD VACUTAINER® TUBE**  | **ADDITIVE/ TUBE INVERSIONS**  | **CLOTTING TIME** **REQUIRED**  | **TESTS COMMONLY ASSOCIATED**  |
|  Marble or Gold (SST)   | * Clot activator and gel for serum separation.
* 5 tube inversions required to ensure mixing of clot activator with blood.
 | 30 MINUTES  | CHEMISTRY PROFILES  | ELECTROLYTES  | LIPID PANEL  | HEPATIC PANEL  | HEPATITIS PANEL  |
| THYROID STUDIES  | IRON STUDIES  | CANCER MARKERS  | LITHIUM  | ALCOHOL  |
| VITAMIN B12  | VITAMIN D  | HORMONE STUDIES  | CARDIAC MARKERS  | LIDOCAINE  |
| FOLATE  | THERAPEUTIC DRUGS (Except Carbamazepine)  | TRICYCLIC ANTIDEPRESSANTS  | SALICYLATE  | HOMOCYSTEINE (ON ICE)  |
|  Red  | * Silicone coated (glass)
* No tube inversions required.

No additive.  | 60 MINUTES  | RHEUMATOID FACTOR  | RPR  | URIC ACID  | PTH  | INSULIN  |
| PREALBUMIN  | MAGNESIUM  | BHCG  | FT3/FT4  | DIGOXIN  |
| AMYLASE  | LIPASE  | CORTISOL  | CRP  | C-PEPTIDE  |
|   LIGHT GREEN  | * Lithium heparin and gel for plasma separation
* 8 tube inversions ensure mixing of anticoagulant with blood to prevent clotting.
 | NO CLOTTING TIME REQUIRED  |  | PREFERRED FOR ALL STAT GENERAL CHEMISTRY REQUESTS!! |   |
| CHEMISTRY PROFILES  | IONIZED CALCIUM  | LIPID PANELS  | HEPATIC PANEL  | CARDIAC MARKERS  |
| RHEUMATOID FACTOR  | AMMONIA (ON ICE)  | THERAPEUTIC DRUGS (Except for VANC & LITHIUM)  | BHCG QUANT  |   |
|  GREEN  | * Lithium heparin
* 8 tube inversions ensure mixing of anticoagulant with blood to prevent clotting.
 | NO CLOTTING TIME REQUIRED  |  | PREFERRED FOR ALL STAT GENERAL CHEMISTRY REQUESTS!! |   |
| TESTS LISTED ABOVE FOR THE LIGHT GREEN TUBE ARE ACCEPTABLE FOR THIS TUBE  |
| CARBAMAZEPINE Avoid SST® blood collection tube is preferred  | LACTIC ACID – WHOLE BLOOD (NOT ON ICE)  |
|  GRAY  | * Sodium Fluoride/Potassium Oxalate
* 8 tube inversions ensure proper mixing of additives with blood.
 | NO CLOTTING TIME REQUIRED  | LACTIC ACID (ON ICE)  |
|  PURPLE  | * Spray-coated K2EDTA

(plastic) * 8 tube inversions required to ensure mixing of anticoagulant with blood.
 | NO CLOTTING TIME REQUIRED  | CBC/PLT COUNT  | H&H  | SED RATE  | BNP  | HGBA1C  |
| CYCLOSPORIN  | SICKLE CELL  | RETIC  | PATH REVIEW  | INTRAOP PTH  |
| VANCOMYCIN  | DIRECT COOMBS  | RBC FOLATE  | PROGRAF  | CD3/CD4   |
| HIV  |

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|  PINK  | * Spray-coated K2EDTA

(plastic) * 8 tube inversions prevent clotting.
 | NO CLOTTING TIME REQUIRED  | RED BLOOD BANK ARMBAND MUST BE COMPLETED AND ATTACHED TO THE PINK TOP!! GLASS RED TOP IS ALSO REQUIRED WHEN A TYPE & SCREEN/CROSSMATCH IS REQUESTED  |
| TYPE & RH  | TYPE & SCREEN  | ANTIBODY SCREEN  | CROSSMATCH  | RHOGAM WORKUP  |
|  BLUE   CLEAR/BLUE  | * Buffered sodium citrate

0.105 M (≈3.2%) glass 0.109 M (3.2%) plastic * 3-4 tube inversions ensure proper mixing of anticoagulant with blood.
 | NO CLOTTING TIME REQUIRED  | PT/INR  | PTT  | FIBRINOGEN  | DDIMER  | SPECIAL COAG & FACTOR ASSAYS CALL LAB PRIOR TO COLLECTION  |
| PFA- 2 GLASS 4.5ML TUBES DO NOT SEND VIA TUBE SYSTEM  |
|  ROYAL BLUE  | * K2EDTA (plastic)
* 8 tube inversions ensure proper mixing of anticoagulant with blood.
 | NO CLOTTING TIME REQUIRED  | LEAD  | MERCURY  | ALUMINUMPLASMA  |   |   |
|  ROYAL BLUE  | * Clot Activator (plastic serum)
* 8 tube inversions required to ensure mixing of clot

activator with blood   | 30 MINUTES  | ZINC  |   |   |   |   |

THIS CHART DOES NOT ENCOMPASS ALL LABORATORY TESTS.

SPECIMEN LABELING REQUIREMENTS:

PATIENT MUST BE IDENTIFIED UTILIZING TWO PATIENT IDENTIFIERS (I.E. FIRST AND LAST NAME & DATE OF BIRTH). ALL SPECIMENS MUST BE LABELED IN THE PRESENCE OF THE PATIENT. THE FOLLOWING COMPONENTS MUST BE COMPLETED, AS APPLICABLE

DATE OF BIRTH: ­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ DATE OF COLLECTION: ­­­­­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TIME: \_\_\_\_\_\_\_\_\_

COLLECTED BY: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ SOURCE (IF APPLICABLE): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_