**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): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_