



TUBE TYPES, ADDITIVES AND THEIR FUNCTION

STOPPER COLOR	POSITION IN THE ORDER OF DRAW	ADDITIVE	BLOOD COMPONENT USED IN TESTING	FUNCTION OF ADDITIVE	COMMONLY PERFORMED TESTS	PRECAUTIONS
 BLUE	1	SODIUM CITRATE	PLASMA	BINDS CALCIUM	COAGULATION STUDIES (PTIN/APTT)	MUST BE FULL
 RED/GOLD SST	2	CLOT ACTIVATOR (SILICA)	SERUM	PROMOTES CLOTTING/ SEPARATES SERUM FROM CELLS	CHEMISTRY SEROLOGY IMMUNOLOGY (BMP/COMP)	FACILITATES COMPLETE NOT FASTER CLOTTING. EVERYTHING THAT CAN GO IN A RED, BUT NOT VICE VERSA
 GREEN/MINT PST	3	HEPARIN (LITHIUM/SODIUM)	PLASMA OR WHOLE BLOOD	INHIBITS CLOTTING/ SEPARATES PLASMA FROM CELLS	STAT & ROUTINE CHEMISTRY (ICAL/GTGO) GENETICS (Na⁺HEP-CHRBX)	AVOID DRAWING LITHIUM LEVELS IN Li ⁺ HEPARIN AND SODIUM LEVELS IN Na ⁺ HEP
 LAVENDER	4	EDTA (K2) K=potassium	WHOLE BLOOD OR PLASMA	INHIBITS CLOTTING AND PRESERVES CELL MORPHOLOGY	HEMATOLOGY (CBS)	MUST NOT BE CLOTTED
 PINK	5	EDTA (K2) K=potassium	WHOLE BLOOD OR PLASMA	INHIBITS CLOTTING AND PRESERVES CELL MORPHOLOGY	BLOOD BANK (TSC)	MUST NOT BE CLOTTED
 GREY	6	SODIUM FLUORIDE POTASSIUM OXALATE	PLASMA OR WHOLE BLOOD	STABILIZES GLUCOSE	SPECIAL CHEMISTRY ETOH ETHYLENE GLYCOL	DRAW LAST EXCEPT WHEN ACD TUBE NEEDED
 YELLOW/ACD	7	SODIUM CITRATE CITRIC ACID AND DEXTROSE	WHOLE BLOOD	INHIBITS CLOTTING INACTIVATES CALCIUM BY IONIZATION	SEND OUT GENETICS (F2PRO/5L EID)	DEXTROSE CAUSES FALSE ELEVATION OF GLUCOSE