

Proper Phlebotomy Techniques: This chart displays the most commonly used evacuated blood collection tubes when collecting specimens sent to Diagnostic Laboratory of Oklahoma (DLO). It includes information on the additives, the required number of inversions, and the order

Note: The order of draw and the number of inversions apply only to specimens collected in plastic tubes.

SPECIMEN MUST BE COLLECTED IN THE LISTED SEQUENCE TO PREVENT CROSS-CONTAMINATION (top to bottom) TUBE/COLOR **ADDITIVE INVERSIONS VOLUME** Blood Please ensure all tubes are correctly 8-10 8-10mL filled, properly inverted, and labeled. Cultures Clear/White **Important Collection Instructions regarding VOLUME:** The tube must be filled to its designated volume to ensure accurate test results. Note: When using a winged blood collection set (butterfly needle and a coagulation (light blue top/citrate) tube is the first tube to be drawn, a discard tube should be Sodium used first. This discard tube is necessary to fill the tubing's dead space with blood-to-Citrate additive ratio in the citrate tube. The discard tube must be filled with 5mL to 10mL Light Blue For non-serum separator tubes After collection, No Gel, Serum gently invert each 8-10 6mL (Clot Activator) blood tube the required number of times as indicated Red to prevent clotted specimens (CBC) 8.5mL Gel, Serum 8-10 (Clot Activator) 3.5mL For serum separator tubes only Red/Yellow Allow specimen to clot upright for 30 - 45 minutes Lithium Heparin 4.5mL 8-10 Green Centrifuge instructions Swing-head 4mL centrifuge: Spin at full **EDTA** 8-10 speed (1100 - 1300g) 10mL for 10 minutes. Fixed-angle centrifuge: Lavender Spin at full speed (1100-1300g) for 15 minutes. Always ensure tubes are properly balanced (K2) EDTA 8-10 6mL before centrifuge. **Royal Blue** When applicable, use a pipette to transfer the serum 5mL into a clear transport vial. Sodium Fluoride 8-10 Clearly label the vial with (Glucose) 10mL the specimen type and two patient identifiers.

DLO Blood Collection Chart

Specimen Collection Reference Chart: This chart provides the test code, test name, and required collection container for commonly ordered tests listed on the standard DLO laboratory requisition form. Some tests may require special collection or handling instructions.

For tests not included on this chart, please consult the Virtual Test Guide or the Quest Test Directory, both available at www.dlolab.com

rest code		COLLE	CTION TUB
	Organ/Disease Panel		
34392	Electrolyte Panel (Na, K, Cl, CO2)		Red/Yellow
10256	Hepatic Function Panel (Alb, TBili, DBili, IBili, AP, AST, ALT, TP, GLOB)	•	Red/Yellow
10165	Basic Metabolic Panel w/eGFR (BUN/CREAT) (Na, K, Ca, Cl, CO2, Glu, BUN, Cr)	•	Red/Yellow
10231	Comp Metabolic Panel w/eGFR (B/C, GLOB, A/G) (Na, K, Ca, Cl, CO2, Glu, BUN, Cr, Ca, TP, Alb TBili, AP, AST, ALT)	•	Red/Yellow
7600	Lipid Panel (Fasting Specimen) (Chol/HDLC, Non HDL Chol) (TChol, Trig, HDL, Calc, LDL)	•	Red/Yellow
14852	Lipid Panel w/ reflex DLDL (TChol, Chol/HDLC, Trig, HDL, Calc, LDL or DLDL when Trig>400)	•	Red/Yellow
20210	Obstetric Panel w/ reflex (ABO/Rh, Antibody Scr RBC w/ reflex, CBC, RPR (DX) w/ reflex confirm, HbsAg w/ reflex Confirm, Rubella IgG Ab)	0	Red/Yellow & 2 Lavender
10306	Hepatitis Panel, Acute W/Reflex (Hep A IgM, HBsAg w/ reflex confirm, Hep B core Ab (IgM), HCAb w/ reflex to HCV RNA)	•	Red/Yellow
	Hematology		
510	Hemoglobin		Lavender
509	Hematocrit		Lavender
1759	CBC (H/H, RBC, Indices, Wbc, Plt, MPV, RDW)		Lavender
6399	CBC W/Diff (H/H, Rbc, Indices, WBC, PLT, DIFF, MPV, RDW)		Lavender
8847	PT with INR		Light Blue
763	PTT, Activated		Light Blue
	Other Tests		<u> </u>
7788	ABO Group & Rh Type		Red
223	Albumin (Alb)		Red/Yellow
234	Alkaline Phosphatase (AP)		Red/Yellow
823	ALT (SGPT)		Red/Yellow
243	Amylase		Red/Yellow
38318	ANA w/ reflex Titer		Red/Yellow
795	Antibody Scr, Rbc W/Reflex Id		Red
822	AST (SGOT)		Red/Yellow
285*	Bilirubin, Direct (DBili)		Red/Yellow
 287*	Bilirubin, Total (TBili)		Red/Yellow
4420	C-Reactive Protein		Red/Yellow
29256	CA 125		Red/Yellow
303	Calcium (Ca)		Red/Yellow
310	Carbon Dioxide (CO2)		Red/Yellow
10124	Cardio CRP		Red/Yellow
978*	CEA		Red/Yellow
330	Chloride (Cl)		Red/Yellow
334	Cholesterol, Total (TChol)		Red/Yellow
375	Creatinine (Cr) w/ eGFR		Red/Yellow
418	Digoxin		Red
8293	Direct LDL		Red/Yellow
457	Ferritin		Red/Yellow
466*	I Folic Acid		K6d\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
466 * 470	FSH Folic Acid		Red/Yellow Red/Yellow

TEST COD	E TEST NAME	COLLECTION TUB
	Other Tests	
8477	Glucose, GEST, Scr	Gray
484	Glucose Plasma	Gray
483	Glucose, Serum (Glu)	Red/Yellow
8435	HCG, Serum, Qual	Red/Yellow
8396	HCG, Serum, Quant	Red/Yellow
608	HDL	Red/Yellow
496	Hemoglobin A1c	Lavender
512	Hep A Ab, IgM	Red/Yellow
4848	Hep B Core Ab, IgM	Red/Yellow
499	Hep B Surface Ab Qual	Red/Yellow
498	Hep B Surface Ag W/Reflex Confirm	Red/Yellow
8472	Hep C Virus Antibody w/ Reflex RNA, PCR	Red/Yellow
91431	HIV 1/2 Ag/Ab 4th Gen	Red/Yellow
561 *	Insulin	Red/Yellow
7573	Iron (Tot), IBC % Sat	Red/Yellow
571	Iron, Total	Red/Yellow
593	LDH	Red/Yellow
599	Lead (B)	Royal Blue
615	LH	Red/Yellow
613	Lithium	Red
622	Magnesium	Red/Yellow
713	Phenytoin	Red
718	Phyosphorus	Red/Yellow
733	Potassium (K+)	Red/Yellow
745	Progesterone	Red/Yellow
746	Prolactin	Red/Yellow
754	Protein, Total (TP)	Red/Yellow
5363	PSA, Total	Red/Yellow
4418	Rheumatoid Factor	Red/Yellow
799	RPR (Monitoring) w/ reflex Titer	Red/Yellow
36126	RPR (Dx) w/ reflex Confirm FTA	Red/Yellow
802	Rubella IGG AB	Red/Yellow
809	Sed Rate By Mod West	Lavender
873	Testosterone Total Male (Adult) Immunoassy	Red
15983	Testosterone Total Women / Pediatrics	Red
896	Triglycerides (Trig)	Red/Yellow
899	TSH	Red/Yellow
36127	TSH w/ reflex T-4, Free	Red/Yellow
859	T-3, Total	Red/Yellow
861	T-3 Uptake	Red/Yellow
867	T-4 (Thyroxine), Total	Red/Yellow
866	T-4 (Thyroxine), Free	Red/Yellow
294	Urea Nitrogen (Bun)	Red/Yellow
905	Uric Acid	Red/Yellow
916	Valproic Acid	Red
7065*	Vitamin B12 / Folic Acid	Red/Yellow
927	Vitamin B12	Red/Yellow
17306	Vitamin D, 25-OH, Total, Immunoassay	Red/Yellow