


BLOOD COLLECTION TUBES AT - A - GLANCE

Order of Draw

TUBE	DESCRIPTION & ORDER OF DRAW	DRAW VOLUME
	BLUE TOP (Na Citrate) 1	Full draw
	LAVENDER (EDTA) 2	0.5mL (500 microliters)
	MINT GEL (Lithium Heparin) 3	0.6mL (600 microliters)
	GOLD GEL (SST) 4	0.6mL (600 microliters)
	RED NO PRESERVATIVE 5	0.5mL (500 microliters)

MINIMUM NUMBER OF MICROTAINER TUBES

(RED, GOLD OR MINT-TOP MICROTAINER TUBES: ASSUMES A 60% HEMATOCRIT)

One **FULL** Microtainer tube is **0.6 ml** of whole blood, which in Chemistry we *use plasma or serum samples*. Thus 0.6ml of whole blood gives **0.24 - 0.4 ml** of plasma or serum for chemistry tests. Our chemistry analyzer has a dead volume of **50 micro liter**.

Individual analytes (up to 10)	equals	1 FULL Microtainer tube
Chem 10 Panel	equals	1 FULL Microtainer tube
Met B Panel	equals	1 FULL Microtainer tube
Met C Panel	equals	2 FULL Microtainer tubes
Lipid Panel	equals	1 FULL Microtainer tube
Chem 23 panel + Lactate (on ice)	equals	2 FULL Microtainer tubes
Met B Panel + Lipid Panel + CRP	equals	2 FULL Microtainer tubes
Met C Panel + Lipid Panel + CRP	equals	2 FULL Microtainer tubes

If you have any additional tests with the combinations listed above, please collect additional **FULL** micro tainer tubes

If the Microtainer tubes are not completely filled or hematocrit is > 60%, you need to collect blood specimen into an additional Microtainer tube to meet the minimum blood volume requirements for the tests.

LAVENDER

Individual analyte	equals	1 FULL Microtainer tube
Hemoglobin & Hematocrit	equals	1 FULL Microtainer tube
CBC	equals	1 FULL Microtainer tube
RETIC	equals	1 FULL Microtainer tube
CBC + RETIC	equals	2 FULL Microtainer tubes

COAGULATION: STRICT REQUIREMENT DEPENDING ON THE TUBE SIZE USED.

Smallest tube requires 1.8ml of whole blood.

3.0 ml tube - draw 2.7ml of blood.

5.0 ml tube - draw 4.5 ml of blood.

Maximum Permissible Blood Collection Volumes for Pediatrics Based on Weight

Patient Weight (lbs)			Patient Weight (kg)			Maximum Amount At One Time (cc)	Maximum Amount Cumulative 1 Month (cc)
6	to	8	2.7	to	3.6	2.5	23
8	to	10	3.6	to	4.5	3.5	30
10	to	15	4.5	to	6.8	5	40
16	to	20	7.3	to	9.1	10	60
21	to	25	9.5	to	11.4	10	70
26	to	30	11.8	to	13.6	10	80
31	to	35	14.1	to	15.9	10	100
35	to	40	16.4	to	18.2	10	130
41	to	45	18.6	to	20.5	20	140
46	to	50	20.9	to	22.7	20	160
51	to	55	23.2	to	25	20	180
56	to	60	25.5	to	27.3	20	200
61	to	65	27.7	to	29.5	25	220
66	to	70	30	to	31.8	30	240
71	to	75	32.3	to	34.1	30	250
76	to	80	34.5	to	36.4	30	270
81	to	85	36.8	to	38.6	30	290
86	to	90	39.1	to	40.9	30	310
91	to	95	41.4	to	43.2	30	330
96	to	100	43.6	to	45.5	30	350