

# HENRY FORD HEALTH SYSTEM ORDER OF DRAW AND COLLECTION TUBE CHART

**START HERE** →

Color	Chemical Additive	Tests
<b>BLOOD CULTURE</b> Aerobic then Anaerobic		
<b>BLUE</b> (Sodium Citrate)		<p><b>Collection tube MUST be filled to the line.</b></p> <p>D-Dimer (1)** Fibrinogen (1)** Heparin</p> <p>Partial Thromboplastin Time (or APTT)** Prothrombin Time*** (PT includes INR)</p> <p>Protein S (1) Protein C (1)</p> <p>Antithrombin III (1) Factor Assays (1) Factor 2 (1) Factor 5 (1) Factor 7 (1) Factor 8 (1) Lupus (5)</p> <p>( ) = Indicates number of collection tubes required</p> <p>** = Add-On &lt; 4hrs *** = Add-On &lt; 24hrs</p>
<b>DARK BLUE</b> (Serum, No Additive)		<p>Aluminum Copper Chromium Manganese Selenium</p>
<b>RED</b> (without Gel)		<p>CH 50 Cryoglobulins (Call Lab)</p>
<b>GOLD</b> (with Gel)		<p>ANA Anti-TPO, Anti-TG CA125, CA19-9, CA2729 CEA, CA153 Cortisol C-Peptide C3, C4 Estradiol Ferritin Folate Free T3 Free T4 FSH H Pylori Ab Hepatitis Ab (A, B, C) Hepatitis BsAg HCV Quant HIVE12 IgG, IgA, IgM Insulin LH Lithium Mono Test Prolactin Protein Electrophoresis PSA RPR Rubella Syphilis T3, T4 Testosterone Free Testosterone Eval. TSH/DRTSH Vitamin B12 Vitamin D</p>
<b>LIGHT GREEN</b> (Lithium Heparin w/ Gel)		<p>Ammonia (on ice = 'EB') Acetaminophen Albumin Amylase BHCG Bilirubin (Total or Direct) BOHB BUN Calcium CA-Ionized Carbamazepine Cholesterol CO2 CPK C-Reactive Protein Creatinine Digoxin Ethanol Gentamycin GGT Iron/ TIBC LDH Lipase LIPID Panel/LDLC Magnesium Osmolality Phenobarbital Phenytoin Phosphorus *Potassium Prelabum Rheumatoid Factor Sodium Theophylline Tobramycin Troponin Total Protein Uric Acid Valproic Acid Vancomycin</p> <p>CHEM Profiles BCPRO (CMP) LYT7 (BMP) LYT4 RENAL LIVR</p>
<b>GREEN</b> (Sodium Heparin)		<p>Use for most Cytogenetic test request collections</p> <p><b>DO NOT CENTRIFUGE!</b></p>
<b>LAVENDER</b> (plasma, EDTA)		<p>BNP (requires dedicated tube) CBC Glyco HGB (A1C) G6PD Screen Hemoglobin Hematocrit Hepatitis C Quant by PCR (HEP C Viral Load) (2) HGB, HCT HIV Quantitative Lead - Child Metanephrine (2) (on ICE = LN) Mono Test Platelet Count PTN RBC Folate Renin (2) (on ICE = LN)</p> <p>Retic Count Sed Rate Sickle Cell WBC IOPHTH</p> <p><b>CALL LAB:</b> Cystic Fibrosis Factor V Leiden Prothrombin 20210 MTHFR</p> <p>( ) = Indicates number of collection tubes required</p>
<b>PINK</b> (plasma, EDTA)		<p>ABO Type &amp; RH Antibody Screen Direct Coombs RHOGAM Evaluation Transfusion Reaction Evaluation Cross-Match Type &amp; Screen</p> <p><b>NOTE:</b> Document collector name, date, and time of collection on specimen label.</p>
<b>DARK BLUE</b> (K <sub>2</sub> , EDTA)		<p>Aluminum Arsenic Cadmium Lead Mercury Nickel</p>
<b>WHITE</b> (EDTA w/ Plasma Separator)		<p>Beta Crosslaps Homocysteine Osteocalcin Parathyroid Hormone</p>
<b>YELLOW</b> (ACD)		
<b>GRAY</b> (Potassium Oxalate/ Sodium Oxalate)		

# PROFILES AND COLLECTION TUBE CHART

## LIGHT GREEN (Lithium Heparin with Gel)

### BCPRO COMPREHENSIVE METABOLIC PROFILE

ALB	Albumin
ALKP	Alkaline Phosphatase
SGOT	AST, SGOT
SGPT	ALT, SGPT
AGR	A/G Ratio
AGAP	Anion Gap
TBIL	Bilirubin, Total
CA	Calcium
CO2	Carbon Dioxide
CL	Chloride
CRET	Creatinine
GLUR	Glucose
K	Potassium
TP	Protein, Total
NA	Sodium
BUN	Urea Nitrogen
Calculated Glomerular Filtration Rate	

## LIGHT GREEN (Lithium Heparin with Gel)

### RENAL PROFILE LYT7 + PHOS + ALB & calc. GFR

ALB	Albumin
AGAP	Anion Gap
CA	Calcium
CO2	Carbon Dioxide
CL	Chloride
CRET	Creatinine
GLUR	Glucose
PHOS	Phosphorous
K	Potassium
NA	Sodium
BUN	Urea Nitrogen
Calculated Glomerular Filtration Rate	

## Three (3) Tubes Required, Gold/ Light Green/ Lavender

### BCPRO COMPREHENSIVE METABOLIC PROFILE, TSH & CBC

ALB	Albumin
ALKP	Alkaline Phosphatase
SGOT	AST, SGOT
SGPT	ALT, SGPT
TBIL	Bilirubin, Total
CA	Calcium
CO2	Carbon Dioxide
CL	Chloride
CRET	Creatinine
GLUR	Glucose
K	Potassium
TP	Protein, Total
NA	Sodium
BUN	Urea Nitrogen
Calculated Glomerular Filtration Rate	

TSH Thyroid Stim. Hormone

CBC Complete Blood Count

## LIGHT GREEN (Lithium Heparin with Gel)

### LIPOP – LIPID PROFILE

CHOL	Cholesterol
HDL	HDL
LDL* (calc)	LDL
TRIG	Triglycerides

**NOTE\*:**  
When Triglycerides > 400 the LDL cannot be calculated, the test will then reflex to direct LDL Cholesterol

## LIGHT GREEN (Lithium Heparin with Gel)

### LYT7 – BASIC METABOLIC PROFILE

AGAP	Anion Gap
CA	Calcium
CO2	Carbon Dioxide
CL	Chloride
CRET	Creatinine
GLUR	Glucose
K	Potassium
NA	Sodium
BUN	Urea Nitrogen

## LIGHT GREEN (Lithium Heparin with Gel)

### LIVR-LIVER PROFILE

ALB	Albumin
ALKP	Alkaline Phosphatase
SGOT	AST, SGOT
SGPT	ALT, SGPT
TBIL	Bilirubin, Total
BILD	Bilirubin, Direct
TP	Protein, Total

## LIGHT GREEN (Lithium Heparin with Gel)

### LYT4 - ELECTROLYTES

AGAP	Anion Gap
CO2	Carbon Dioxide
CL	Chloride
K	Potassium
NA	Sodium

GFR<sub>CAL</sub>-Glomerular Filtration Rate, Calculated

CRET Creatinine  
Calculated Glomerular Filtration Rate

## Add-On & Miscellaneous Information

The **preferred** add-on time limit is within 4 hours of collection. Check Lab Users guide for more information.

Cannot add on LACT, NH<sub>3</sub>, ETOH, BOHB, ICA or ICAW once the initial specimens have been tested.

Cannot add-on a differential to a CBC after 24hrs.

PTT,FBGN,DIMT can only be added on within 4hrs.

PT/INR can be added on up to 24hrs.

DRTSH includes TSH and reflex FT4 if TSH abnormal.

MPEV2 includes SPE, immunoglobulins and para-protein identification (if indicated) and pathologist interpretation.

PRC-PALM-SPC-5.51-pro1-stw1: ORDER OF DRAW AND COLLECTION TUBE - elug

TEST	BCPRO Comprehensive Metabolic Profile, Biochemical Profile, CMP	Renal Profile, Kidney profile	LYT7 Basic Metabolic Profile, Chem 7 basic	LIVR Liver Profile	LYT4 Electrolyte
NA	X	X	X		X
K	X	X	X		X
CL	X	X	X		X
CO2	X	X	X		X
AGAP	X	X	X		X
CA	X	X	X		
BUN	X	X	X		
CRET	X	X	X		
GLUC	X	X	X		
CALCULATED GFR	X	X	X* *Emergency and Outpatients ONLY		
AGR	X				
ALB	X	X		X	
ALKP	X			X	
SGOT	X			X	
SGPT	X			X	
TBIL	X			X	
TP	X			X	
PHOSPHORUS		X			
BILD				X	