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Kaiser Permanente
Medical Care Program
California Division—South

SCPMG Laboratory System
Preanalytical Processing
Reference

Tests Requiring Special Handling

Tests Performed at SCPMG Laboratories

Test Name	Collection Label Mnemonic	Procedure Code	Container Type	Special Handling	Shipping Temperature
ACTH [ADRENOCORTICOTROPIC HORMONE]	ACTH	8202400	LAV5	<ul style="list-style-type: none"> • Use chilled EDTA tube, place blood tube in cup of ice. • Centrifuge in chilled centrifuge or in chilled centrifuge cups. • Aliquot and freeze plasma (min. 1 mL). 	Frozen PLA
Amino Acid – Plasma	AA Pla	8213001	GRN5	<ul style="list-style-type: none"> • Separate and freeze plasma (min. 0.5 mL). • Clinical History required. 	Frozen PLA
Amino Acid – Urine	AA U	8213600	UR10	<ul style="list-style-type: none"> • Random Urine (min. 2 mL) • Freeze immediately after collection. • Clinical History required. 	Frozen UR
Amino Acid – CSF	AA CSF	8213002	SF10	<ul style="list-style-type: none"> • CSF (min. 0.5 mL) • Freeze immediately after collection. • Clinical History required. 	Frozen
Ammonia	Ammonia	8214000	PST4	<ul style="list-style-type: none"> • Use minimum tourniquet time. • Patient should not clench fist during draw. • Draw specimen and place in ice bath. • Separate plasma immediately after collection. • Analyze within 30 minutes of collection. 	Ice Bath – PST4

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Tests Requiring Special Handling, Continued

Tests Performed at SCPMG Laboratories

Test Name	Collection Label Mnemonic	Procedure Code	Container Type	Special Handling	Shipping Temperature
APTT	APTT	8522600	BLU5 NOTE: Tube must be completely filled	<ul style="list-style-type: none"> • Centrifuge within one hour of collection • Testing at the Medical Center should be performed within 4 hours • IF testing is to be performed at the Regional Reference Lab (RRL): <ol style="list-style-type: none"> 1. Centrifuge the capped collection tube at 3000 rpm for ten minutes. 2. Using a plastic transfer pipette, transfer the plasma to a plastic tube. [Do not disturb the buffy coat]. 3. Centrifuge the plasma for an additional 10 minutes. Using a transfer pipette, transfer the plasma to another plastic tube. The plasma must be platelet free (platelet count less than 10,000/uL). 4. Cap, label and freeze immediately at -20°C or lower. 5. Transport frozen specimens to the Regional Reference Lab on dry ice. 	FROZEN PLA (for RRL only)
Chlamydia, Urine Amplified Probe Technique	CTGC U	8649780	CT/GC Urine	<p>After collection by the patient, transfer the urine into the Collection/Transport Tube and fill between the black lines only.</p> <p>NOTE: The plastic pipette has the fill line indicated at the top of the pipette, just below the bulb.</p>	Ambient CTGC U

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Tests Requiring Special Handling, Continued

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Test Name	Collection Label Mnemonic	Procedure Code	Container Type	Special Handling	Shipping Temperature
Complete Semen Analysis	Sem Analys	8931000	SC99	Specimen must be tested within 1 hour after collection.	Ambient - Sterile Container
Copper, Plasma	Cu Pla	8252500	ROY7	Do Not Aliquot	Refrigerated WBL
Cytology and Cell Block – Non-GYN		8811011	Glass Slide or Specimen Jar	Fixed when fresh with 50% alcohol	Ambient
Folate	Folate	8274500	GLD6	Centrifuge and aliquot serum to an amber tube. NOTE: Must be light protected. If Vitamin B12 is ordered, total volume of 0.8 mL is required	Light protected serum
Hepatitis B Surface Antigen	HBSAG	8633700	GLD6	<ul style="list-style-type: none"> • Submit original draw tube. • Do Not Aliquot 	Refrigerated GLD6
HIV 1/2 Antibody	HIV12	8641263	GLD6	<ul style="list-style-type: none"> • Submit original draw tube. • Do Not Aliquot 	Refrigerated GLD6
HIV RNA Quant, PCR	HIV RNA Qn	8671205	LAV5 x2	<ul style="list-style-type: none"> • Centrifuge and aliquot plasma into sterile polypropylene tube. • Refrigerate plasma immediately. 	Refrigerated Plasma

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Tests Requiring Special Handling, Continued**Tests Performed at SCPMG Laboratories**

Test Name	Collection Label Mnemonic	Procedure Code	Container Type	Special Handling	Shipping Temperature
Lactic/Pyruvate	Pyruv Lact	8360505	GY7	<ul style="list-style-type: none"> • Warning!! Add 2 mL of cold 8% Perchloric acid to the GY7 tube prior to draw and prepare a container of ice. • NOTE: The GY7 will no longer have a vacuum after the addition of acid. • Collect 1 mL of blood using a 5 mL syringe (release tourniquet upon entering vein). • Activate the safety device on the needle and remove from syringe. • Remove cap from the GY7. • Transfer blood immediately to the prepared GY7. • Mix well and immediately place in the container of ice for 5 minutes. • Centrifuge, then separate the upper layer supernatant and freeze. 	Frozen Protein Free Filtrate
Lysosomal Disorder Panel	Lysosomal	8499950	GRN5 and UR25 x2	<ul style="list-style-type: none"> • Separate plasma and freeze immediately (min. 1 mL). • Freeze urine immediately after collection (min. 25 mL). 	Frozen PLA and UR
Malaria Rapid Test	Rap Malaria	8789905	Capillary Blood	<ul style="list-style-type: none"> • BinaxNow® must be performed immediately • 4 slides must be prepared as blood is collected 	Slides
Malaria Smear	BLD Parasite	8720705	LAV5	4 slides must be prepared within 1 hour of collection	Slides
Parathyroid Hormone [PTH, Intact]	PTH Intact	8345600	GLD6	<ul style="list-style-type: none"> • Centrifuge after clotted. • Aliquot and freeze within 2 hours of collection. 	Frozen Serum

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Tests Performed at SCPMG Laboratories

Test Name	Collection Label Mnemonic	Procedure Code	Container Type	Special Handling	Shipping Temperature
Pyruvate	Pyruvate	8421000	GY7	<ul style="list-style-type: none"> • Warning!! Add 2 mL of cold 8% Perchloric acid to the GY7 tube prior to draw and prepare a container of ice. • NOTE: The GY7 will no longer have a vacuum after the addition of acid. • Collect 1 mL of blood using a 5 mL syringe (release tourniquet upon entering vein). • Activate the safety device on the needle and remove from syringe. • Remove cap from the GY7. • Transfer blood immediately to the prepared GY7. • Mix well and immediately place in the container of ice for 5 minutes. • Centrifuge, then separate the upper layer supernatant and freeze. 	Frozen Protein Free Filtrate
Panel, Sputum Culture and Q-Score	SPU	8701606 [Q-Score] 8709013 [Sputum Culture]	SC99	<ul style="list-style-type: none"> • Gram stain performed and Q-Score read prior to plating. • Plating must occur within 2 hours after collection (unless refrigerated – up to 24 hours). 	<ul style="list-style-type: none"> • Ambient transport to Medical Center for Q-Score. • Refrigerated transport to RRL if unplated. • Ambient transport to RRL if plated.

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Tests Requiring Special Handling, Continued

Tests Performed at SCPMG Laboratories

Test Name	Collection Label Mnemonic	Procedure Code	Container Type	Special Handling	Shipping Temperature
T-Cell Panel	T Cell Pnl	8500702	LAV5	<ul style="list-style-type: none"> • CBC with differential must be performed on the same day as specimen collection. • Specimen must be received at the B&T Cell Laboratory within 48 hours of collection. 	Ambient WBL
Thiamine Blood [Vitamin B-1]	Vit B1	8228215	LAV5	<ul style="list-style-type: none"> • Collect whole blood in EDTA • Do not aliquot. • Freeze immediately after collection. 	Frozen WBL
Urine Culture	URCUL	8711000	Collection: SC99 Transport: UTT	<ul style="list-style-type: none"> • If urine specimen is more than 3 mL: <ul style="list-style-type: none"> • Transfer within 2 hours to the plastic gray top (boric acid) urine transport tube UTT for transport to RRL. • If urine specimen is less than 3 mL: <ul style="list-style-type: none"> • Plate at Medical Center or Medical Office Building. • Plate urine within 5 minutes after collection, or refrigerate for up to 24 hours until plating can be done. • Inoculate using a sterile loop calibrated to deliver 0.001 mL of urine (1:1000) on a Blood Agar – TSAII/MacConkey Biplate. • Incubate plate prior to sending to RRL. 	Ambient

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Tests Performed at Quest Diagnostics

Test Name	Collection Label Mnemonic	Procedure Code	Container Type	Special Handling	Shipping Temperature
Carotene	CAROT	8238000	RED7	<ul style="list-style-type: none"> Separate ASAP after clotting. Aliquot at least 0.5 mL serum into an amber tube. 	Refrigerated SER
Copper, 24 hour Urine	CU UR	8253000	TU99	Aliquot a minimum of 3 mL into acid-washed container.	Refrigerated Urine
Cryoglobulin, Screen w Reflex to Cryoglobulin Profile, Serum	Cryglb Scr	8259502	RED7 x4	<ul style="list-style-type: none"> Centrifuge clotted tubes in carriers pre-warmed to 37-degrees centigrade at 3,000 rpm for 10 minutes. Separate serum from the colt, avoiding any transfer of any red cells. Combine serum from all the tubes and place into clean transport tube(s). Transport ambient. Do Not Refrigerate or Freeze sample. <p>NOTE: RLN Test</p>	Ambient SER
Fecal Lipids (Fecal Fat, Qual)	Fec Lp Tot	8271000	FF99	<ul style="list-style-type: none"> Feces should be collected in a one gallon plastic jar, leak proof with a tight lid. Record total specimen weight and collection time. Keep refrigerated during collection. Submit to Quest frozen. <p>NOTE: Do not use paint cans. RLN Test.</p>	Frozen Stool
Gastrin	GAST	8342600	RED7	<ul style="list-style-type: none"> Separate, aliquot and freeze immediately (min. 2 mL serum). Note on requisition if the specimen is fasting or post prandial. 	Frozen SER
IGF-1	IGF-1	8338001	RED7	Separate, aliquot and freeze immediately (min. 1 mL serum).	Frozen SER

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Tests Performed at Quest Diagnostics

Test Name	Collection Label Mnemonic	Procedure Code	Container Type	Special Handling	Shipping Temperature
Metanephrines, 24 hour Urine	METUR	8314603	Collect: UR99 Aliquot and Transport: UR25	<ul style="list-style-type: none"> • Patient has dietary restrictions. • No preservative needed if specimen is frozen for transport. 	Frozen Urine
Multiple Sclerosis	MS-P1	8633001	RED7 and SF10	Centrifuge and aliquot serum. NOTE: Prefer to have both Blood and CSF collected the same date.	Refrigerated Serum and CSF
Plasma Renin Activity	RENIN	8336010	LAV5	<ul style="list-style-type: none"> • Centrifuge at Room Temperature. • Immediately aliquot and freeze plasma. NOTE: Do not refrigerate sample.	Frozen PLA
Quantiferon	TBGOLD	8648000	Quantiferon Collection Kit	<ul style="list-style-type: none"> • Collect 1 mL into all 3 tubes. • Firmly shake all tubes 10 times. • Incubate immediately for 16-24 hours then send to Quest OR • Centrifuge and send to Quest immediately. 	Refrigerated
VMA, 24 hour Urine	VMA	8314000	Collect: UR99 Aliquot and Transport: UR25	<ul style="list-style-type: none"> • Patient has dietary restrictions. • No preservative needed if specimen is frozen for transport. 	Frozen Urine

Signature Manifest

Document Number: SCPMG-PPP-0115

Revision: 02

Title: Tests Requiring Special Handling

All dates and times are in Pacific Standard Time.

New Lab Director - Preanalytic

Initial Approval

Name/Signature	Title	Date	Meaning/Reason
Janice Wolf (K119893)	Operations Director	17 Mar 2017, 08:37:13 AM	Approved

Final Approval

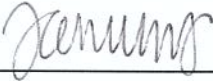

Name/Signature	Title	Date	Meaning/Reason
David Quam (P092597)	Rgnl Mg Admn-Pmg Executive	23 Mar 2017, 10:13:44 AM	Approved

Set Effective Date

Name/Signature	Title	Date	Meaning/Reason
Rebecca Rosser (K053260)	RRL ED CONSULTANT		
Matthew Jones (F754627)	Systems Consultant	23 Mar 2017, 12:36:19 PM	Approved

Tests Requiring Special Handling

Reviewed and approved by (for Medical Center Area Approval Only):

SIGNATURE	DATE
	5.10.18
Name: <u>Janice M. Wolf</u> Operations Director, Area Laboratory	
	5/10/18
Name: <u>Sony Wirio, MD</u> CLIA Laboratory Director	
