



# KAISER PERMANENTE®

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<b>DOCUMENT TITLE:</b> Tests Requiring Special Handling
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<b>AUTHOR:</b>	<b>PREVIOUS NUMBER:</b> SCPMG-PPP-0115
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## Tests Requiring Special Handling

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### 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"> <li>• Use chilled EDTA tube, place blood tube in cup of ice.</li> <li>• Centrifuge in chilled centrifuge or in chilled centrifuge cups.</li> <li>• Aliquot and freeze plasma (min. 1 mL).</li> </ul>	Frozen PLA
Amino Acid – Plasma	AA Pla	8213001	GRN5	<ul style="list-style-type: none"> <li>• Separate and freeze plasma (min. 0.5 mL).</li> <li>• Clinical History required.</li> </ul>	Frozen PLA
Amino Acid – Urine	AA U	8213600	UR10	<ul style="list-style-type: none"> <li>• Random Urine (min. 2 mL)</li> <li>• Freeze immediately after collection.</li> <li>• Clinical History required.</li> </ul>	Frozen UR
Amino Acid – CSF	AA CSF	8213002	SF10	<ul style="list-style-type: none"> <li>• CSF (min. 0.5 mL)</li> <li>• Freeze immediately after collection.</li> <li>• Clinical History required.</li> </ul>	Frozen
Ammonia	Ammonia	8214000	PST4	<ul style="list-style-type: none"> <li>• Use minimum tourniquet time.</li> <li>• Patient should not clench fist during draw.</li> <li>• Draw specimen and place in ice bath.</li> <li>• Separate plasma immediately after collection.</li> <li>• Analyze within 30 minutes of collection.</li> </ul>	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  <b>NOTE:</b> Tube must be completely filled	<ul style="list-style-type: none"> <li>• Centrifuge within one hour of collection</li> <li>• Testing at the Medical Center should be performed within 4 hours</li> <li>• IF testing is to be performed at the Regional Reference Lab (RRL):               <ol style="list-style-type: none"> <li>1. Centrifuge the capped collection tube at 3000 rpm for ten minutes.</li> <li>2. Using a plastic transfer pipette, transfer the plasma to a plastic tube. [Do not disturb the buffy coat].</li> <li>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).</li> <li>4. Cap, label and freeze immediately at -20°C or lower.</li> <li>5. Transport frozen specimens to the Regional Reference Lab on dry ice.</li> </ol> </li> </ul>	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><b>NOTE:</b> 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

### Tests Performed at SCPMG Laboratories

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"> <li>• Submit original draw tube.</li> <li>• Do Not Aliquot</li> </ul>	Refrigerated GLD6
HIV 1/2 Antibody	HIV12	8641263	GLD6	<ul style="list-style-type: none"> <li>• Submit original draw tube.</li> <li>• Do Not Aliquot</li> </ul>	Refrigerated GLD6
HIV RNA Quant, PCR	HIV RNA Qn	8671205	LAV5 x2	<ul style="list-style-type: none"> <li>• Centrifuge and aliquot plasma into sterile polypropylene tube.</li> <li>• Refrigerate plasma immediately.</li> </ul>	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"> <li>• <b>Warning!!</b> Add 2 mL of cold 8% Perchloric acid to the GY7 tube prior to draw and prepare a container of ice.</li> <li>• <b>NOTE:</b> The GY7 will no longer have a vacuum after the addition of acid.</li> <li>• Collect 1 mL of blood using a 5 mL syringe (release tourniquet upon entering vein).</li> <li>• Activate the safety device on the needle and remove from syringe.</li> <li>• Remove cap from the GY7.</li> <li>• Transfer blood immediately to the prepared GY7.</li> <li>• Mix well and immediately place in the container of ice for 5 minutes.</li> <li>• Centrifuge, then separate the upper layer supernatant and freeze.</li> </ul>	Frozen Protein Free Filtrate
Lysosomal Disorder Panel	Lysosomal	8499950	GRN5 and UR25 x2	<ul style="list-style-type: none"> <li>• Separate plasma and freeze immediately (min. 1 mL).</li> <li>• Freeze urine immediately after collection (min. 25 mL).</li> </ul>	Frozen PLA and UR
Malaria Rapid Test	Rap Malaria	8789905	Capillary Blood	<ul style="list-style-type: none"> <li>• BinaxNow® must be performed immediately</li> <li>• 4 slides must be prepared as blood is collected</li> </ul>	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"> <li>• Centrifuge after clotted.</li> <li>• Aliquot and freeze within 2 hours of collection.</li> </ul>	Frozen Serum

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

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

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**Tests Requiring Special Handling, Continued****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"> <li>Separate ASAP after clotting.</li> <li>Aliquot at least 0.5 mL serum into an amber tube.</li> </ul>	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"> <li>Centrifuge clotted tubes in carriers pre-warmed to 37-degrees centigrade at 3,000 rpm for 10 minutes.</li> <li>Separate serum from the colt, avoiding any transfer of any red cells.</li> <li>Combine serum from all the tubes and place into clean transport tube(s).</li> <li>Transport ambient. Do Not Refrigerate or Freeze sample.</li> </ul> <b>NOTE:</b> RLN Test	Ambient SER
Fecal Lipids (Fecal Fat, Qual)	Fec Lp Tot	8271000	FF99	<ul style="list-style-type: none"> <li>Feces should be collected in a one gallon plastic jar, leak proof with a tight lid.</li> <li>Record total specimen weight and collection time.</li> <li>Keep refrigerated during collection.</li> <li>Submit to Quest frozen.</li> </ul> <b>NOTE:</b> Do not use paint cans. RLN Test.	Frozen Stool
Gastrin	GAST	8342600	RED7	<ul style="list-style-type: none"> <li>Separate, aliquot and freeze immediately (min. 2 mL serum).</li> <li>Note on requisition if the specimen is fasting or post prandial.</li> </ul>	Frozen SER
IGF-1	IGF-1	8338001	RED7	Separate, aliquot and freeze immediately (min. 1 mL serum).	Frozen SER

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**Tests Requiring Special Handling, Continued****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"> <li>• Patient has dietary restrictions.</li> <li>• No preservative needed if specimen is frozen for transport.</li> </ul>	Frozen Urine
Multiple Sclerosis	MS-P1	8633001	RED7 and SF10	Centrifuge and aliquot serum. <b>NOTE:</b> 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"> <li>• Centrifuge at Room Temperature.</li> <li>• Immediately aliquot and freeze plasma.</li> </ul> <b>NOTE:</b> Do not refrigerate sample.	Frozen PLA
Quantiferon	TBGOLD	8648000	Quantiferon Collection Kit	<ul style="list-style-type: none"> <li>• Collect 1 mL into all 3 tubes.</li> <li>• Firmly shake all tubes 10 times.</li> <li>• Incubate immediately for 16-24 hours then send to Quest OR</li> <li>• Centrifuge and send to Quest immediately.</li> </ul>	Refrigerated
VMA, 24 hour Urine	VMA	8314000	Collect: UR99  Aliquot and Transport: UR25	<ul style="list-style-type: none"> <li>• Patient has dietary restrictions.</li> <li>• No preservative needed if specimen is frozen for transport.</li> </ul>	Frozen Urine

Regional Parent Document Reference Number: SCPMG-PPP-0115 Rev. 02

## Signature Manifest

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**Document Number:** SBMC-PPP-0036

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All dates and times are in Pacific Standard Time.

### Review: SBMC-PPP-0036 02 Tests Requiring Special Handling

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#### Review

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Name/Signature	Title	Date	Meaning/Reason
Qiyamaa Portillo (K237031)	Assistant Director Operations	20 Mar 2020, 11:01:06 AM	Reviewed
Janice Wolf (K119893)	Director Operations Area Lab	03 Apr 2020, 12:17:27 PM	Reviewed