

Urine Chemistry Collection and Processing

Test Code	Test Name	Preferred Preservative	Alternate Preservative	Processing	Transport Container	Performing Lab
231 83497.0	5-Hydroxyindoleacetic Acid (5-HIAA)	AA	BA, HNO ₃ , NaCO ₃ , Thymol or Toluene	Submit 25mL mixed aliquot, or entire 24 hr specimen. Record total volume on request and/or aliquot	60mL Amber Urine Aliquot Bottle	MML
23 82088.2	Aldosterone, 24 Hr Urine	AA	BA, Thymol, Toluene	Submit 25mL mixed aliquot, or entire 24 hr specimen	60mL Amber Urine Aliquot Bottle	MML
322 82139.1	Amino Acid Quant, Urine	None		Submit 10mL aliquot of random urine collection <i>FROZEN WITHIN 4 HOURS OF COLLECTION</i>	Sterile screw capped container	MML
994 LAB994	Aminolevulinic Acid, Urine	None		Submit a minimum of 2mL of random urine, refrigerated.	10mL Urine Aliquot Tube	MML
29 82150.4	Amylase, Timed Urine	None		Submit 5-8mL mixed aliquot of timed collection. Record total volume and hours of collection on requisition and/or aliquot	10mL Urine Aliquot Tube	AHL
38 82175.3	Arsenic, 24 Hr Urine	<i>Acid Washed Container</i>		Submit 25ml mixed aliquot in an <i>acid washed container</i> , or entire specimen in an <i>acid washed container</i>	Acid Washed Urine Transport	MedTox
3186 LAB3186	Arsenic, Fractionation, Urine	<i>Acid Washed Container</i>		Submit 10mL random urine in an acid washed container.	Acid Washed Urine Transport	MedTox
42 LAB42	Bence Jones Protein	None		Submit 5-8mL random urine	10mL Urine Aliquot Tube	AHL
994 LAB994	Cadmium Exposure	<i>Acid Washed Container</i>		Submit 10mL random urine in an <i>acid washed container</i> . pH of sample must be adjusted to 7-8 (adjust dropwise with 1N NaOH until desired pH is reached) and then <i>FREEZE IMMEDIATELY</i>	Acid Washed Urine Transport	MedTox
994 LAB994	Cadmium, 24 Hr Urine	<i>Acid Washed Container</i>		Submit 10mL mixed aliquot in an <i>acid washed container</i> , or entire specimen in an <i>acid washed container</i>	Acid Washed Urine Transport	MedTox
1341 82340.2	Calcium, Random Urine	None		Submit 5-8mL random urine	10mL Urine Aliquot Tube	AHL
57 82340.1	Calcium, Timed Urine	None	AA, BA	Submit 5-8mL mixed aliquot, or entire specimen. Record total volume and hours of collection on requisition & aliquot. Specimen must be refrigerated during collection and transport.	10mL Urine Aliquot Tube	AHL

AA = 25mL Acetic Acid, BA = 10g Boric Acid, HCl = 10mL 6N HCl, HNO₃ = 15mL 6N HNO₃, Na₂CO₃ - 5g Na₂CO₃ Crystals, Thymol = 10g Thymol, Toluene = 30mL Toluene

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1044 LAB1044	Calcium/Creatinine Ratio, Urine	None		Submit 5-8mL random urine	10mL Urine Aliquot Tube	AHL
239 82384.3	Catecholamines Fractionation, Urinary, Free	AA	BA, HNO ₃ , Thymol	Submit 10mL mixed aliquot, or entire 24hr specimen. Record total volume on requisition & aliquot. Required urine pH 1-7; no higher.	60mL Amber Urine Aliquot Bottle	MML
70 82436.1	Chloride, Timed Urine	None	AA, BA	Submit 5-8mL mixed aliquot, or entire specimen. Record total volume and hours of collection on requisition & aliquot	10mL Urine Aliquot Tube	AHL
12517 LAB12517	Chromium, 24 Hr Urine	<i>Acid Washed Container</i>		Submit 25mL aliquot of 24 hr collection in an <i>acid washed container</i>	Acid Washed Urine Transport Bottle	MedTox
315A LAB315	Chyluria Screen	None		Submit 15mL random urine, <i>FROZEN</i>	60mL Amber Urine Aliquot Bottle	MML
295 82507.1	Citric Acid, Urine	BA	None - Refrigerate during collection and freeze aliquot for transport	Submit 5mL mixed aliquot, or entire 24hr specimen. Record total volume on requisition & aliquot	60mL Amber Urine Aliquot Bottle	MML
78 82525.1	Copper, 24 Hr Urine	<i>Acid Washed Container</i>		Submit 10mL mixed aliquot or entire specimen in an <i>acid washed container, refrigerated. Record total volume on requisition & aliquot</i>	Acid Washed Urine Transport	MML
74 82530.0	Cortisol, Free, 24 Hr Urine	BA	AA, Na ₂ CO ₃ , Thymol, Toluene	Submit 25mL mixed aliquot, or entire 24hr specimen. Record total volume on requisition & aliquot	60mL Amber Urine Aliquot Bottle	MML
1054 82575.0	Creatinine Clearance	None	BA	Submit 5-8mL mixed aliquot of 24hr specimen. Record total volume on requisition and/or aliquot. Must submit 1ml of serum as well as patient's height & weight	10mL Urine Aliquot Tube	AHL
62 82570.3	Creatinine, Random Urine	None		Submit 5-8mL random urine	10mL Urine Aliquot Tube	AHL
85 82570.2	Creatinine, Timed Urine	None	BA	Submit 5-8mL mixed aliquot of 24hr specimen. Record total volume on requisition and/or aliquot	10mL Urine Aliquot Tube	AHL
2958A LAB2958	Cystine, Quant, Random Urine	None		Submit 25mL random urine, FROZEN	60mL Amber Urine Aliquot Bottle	MML

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12392 LAB12392	Cystine, Urine Quant, 24 Hr	BA	Toluene	Submit 25mL aliquot of 24 hr urine, FROZEN WITHIN 4 HRS OF COLLECTION	60mL Amber Urine Aliquot Bottle	MML
402 82055.2	Ethanol, Urine Quant	None		Submit 10mL random urine. Tube must be filled to prevent loss of volatile compound to head space.	10mL Urine Aliquot Tube	AHL
236 LAB236	Fractionated Excretion of Sodium	None		Submit 5-8mL random urine and 1ml of serum, collected within 2hrs of the urine collection.	10mL Urine Aliquot Tube	AHL
377 82945.1	Glucose, Timed Urine	None		Submit 5-8mL mixed aliquot. Record total volume and hours of collection on requisition and/or aliquot	10mL Urine Aliquot Tube	AHL
376 81005.2	Glucose, Urine Qual	None		Submit 5-8mL random urine	10mL Urine Aliquot Tube	AHL
128 LAB128	Heavy Metals, 24 Hr Urine (Arsenic, Lead and Mercury)	<i>Acid Washed Container</i>		Submit 25mL mixed aliquot, or entire 24hr specimen in an <i>acid washed container</i> . <i>Completed Lead Form must accompany specimen & requisition</i>	Acid Washed Urine Transport	MedTox
994 LAB994	Histamine, 24 Hr Urine	HCl	<i>NONE</i>	Submit 4mL mixed aliquot of 24hr collection	Urine Aliquot Bottle	Quest
296 83150.0	Homovanillic Acid (HVA), 24 Hr Urine	AA		Submit 5mL mixed aliquot, or entire 24hr specimen in amber container. Record total volume on requisition & aliquot.	60mL Amber Urine Aliquot Bottle	MML
3704 86335.0	Immunofixation, Urine	None		Submit 5-8mL mixed aliquot of 24hr specimen. Record total volume on requisition & aliquot. Random Specimen acceptable	10mL Urine Aliquot Tube	AHL
7873 LAB7873	Immunoglobulin Total Light Chains	None		Submit 5-8mL mixed aliquot of 24hr specimen. Record total volume on requisition & aliquot. <i>Alternate 10ml random urine</i>	60mL Amber Urine Aliquot Bottle	MML
334 81005.1	Ketones, Urine	None		Submit 5-8mL random urine	10mL Urine Aliquot Tube	AHL
153 83655.1	Lead, 24 Hr Urine	<i>Acid Washed Container</i>		Submit 25mL mixed aliquot of 24hr collection in an <i>acid washed container</i> . <i>Completed Lead Form must accompany specimen & requisition. Record total volume on requisition & aliquot.</i>	Acid Washed Urine Transport	MML
667 83735.2	Magnesium, 24 Hr Urine	None	AA, BA, HNO ₃ , Toluene	Submit 10mL mixed aliquot of 24hr collection. Record total volume on requisition & aliquot.	60mL Amber Urine Aliquot Bottle	MML

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994 LAB994	Magnesium, Random Urine	None		Submit 10mL of random urine in a screw cap plastic urine bottle. Container should not have a metal cap or have a glued insert in the cap	60mL Amber Urine Aliquot Bottle	MML
177 83825.2	Mercury, 24 Hr Urine	<i>Acid Washed Container</i> preferred but not required	AA, HNO ₃ , Toluene	Submit 10mL mixed aliquot of 24hr specimen in an <i>acid washed container</i> . Record total volume on requisition & aliquot. Random specimen is acceptable if submitted in an <i>acid washed container</i> .	Acid Washed Urine Transport	MML
179 83835.1	Metanephrine, 24 Hr Urine	AA or BA	HNO ₃ , Na ₂ CO ₃ , Thymol, Toluene	Submit 25mL mixed aliquot of 24hr specimen. Record total volume on requisition & aliquot.	60mL Amber Urine Aliquot Bottle	MML
994 LAB994	Methylmalonic Acid, Urine	None		Submit 10mL random urine, second voided AM specimen after an overnight fast. <i>FROZEN</i>	60mL Amber Urine Aliquot Bottle	MML
634 82043.1	Microalbumin, 24 Hr Urine	None		Submit 5-8mL mixed aliquot of 24hr specimen. Record total volume on requisition & aliquot.	10mL Urine Aliquot Tube	AHL
630 82043.2	Microalbumin, Random Urine	None		Submit 5-8mL random urine	10mL Urine Aliquot Tube	AHL
180 LAB180	Myoglobin Quant, Urine	None		Submit 5-8mL random urine, Refrigerated	60mL Amber Urine Aliquot Bottle	MML
2609 83885.2	Nickel, Urine	<i>Acid Washed Container</i>		Submit 10mL random urine in an <i>acid washed container</i>	Acid Washed Urine Transport Bottle	MedTox
2920 82523.0	N-Telopeptide (NTX), Urine	None	BA, Toluene	Submit 4mL mixed aliquot of 24 hr collection. Second morning void or random specimen acceptable. <i>FROZEN</i>	60mL Amber Urine Aliquot Bottle	MML
404A 83919.0	Organic Acids Screen, Urine	None		Submit 10mL random urine, <i>FROZEN</i> . Include patient's age, Dx and drug therapy on request.	60mL Amber Urine Aliquot Bottle	MML
183 83935.0	Osmolality, Urine	None		Submit 5-8mL unpreserved random urine	10mL Urine Aliquot Tube	AHL
188 83945.0	Oxalate, 24 Hr Urine	None	Toluene, Thymol	Submit 5mL mixed aliquot of 24 hr specimen. Record total volume on requisition & aliquot.	60mL Amber Urine Aliquot Bottle <i>FROZEN</i>	MML
206 84105.0	Phosphorous, Timed Urine	None		Submit 5-8mL mixed aliquot of 24hr collection. Record volume and hours of collection on requisition & aliquot	10mL Urine Aliquot Tube	AHL

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267 LAB267	Porphyrins, 24 Hr Urine	5g Sodium Carbonate		Submit 25mL mixed aliquot or entire 24hr specimen, <i>PROTECTED FROM LIGHT, FROZEN</i>	60mL Amber Urine Aliquot Bottle	MML
213 84133.2	Potassium, Random Urine	None		Submit 5-8mL random urine	10mL Urine Aliquot Tube	AHL
210 84133.3	Potassium, Timed Urine	None		Submit 5-8mL mixed aliquot of 24hr specimen. Record total volume on requisition & aliquot	10mL Urine Aliquot Tube	AHL
218 LAB218	Protein ELP, 24 Hr Urine	None		Submit 5-8mL mixed aliquot of 24hr specimen. Record total volume on request & aliquot	10mL Urine Aliquot Tube	AHL
3218 LAB3218	Protein ELP, Random Urine	None		Submit 5-8mL random urine. First AM void is preferred	10mL Urine Aliquot Tube	AHL
1184 84156.2	Protein Quant, Random Urine	None		Submit 5-8mL of random urine. First morning void preferred	10mL Urine Aliquot Tube	AHL
361 84156.1	Protein, Timed Urine	None		Submit 5-8mL mixed aliquot of 24hr specimen. Record total volume on requisition & aliquot	10mL Urine Aliquot Tube	AHL
2805 LAB2805	Protein/Creatinine Ratio, Urine	None		Submit 5-8mL random urine	10mL Urine Aliquot Tube	AHL
994 LAB994	Pyrroles	500mg Ascorbic Acid		Call for container prior to beginning collection. Pour 10mL random urine into brown sterile container containing 500mg ascorbic acid. Fill tube no less than 1/2 and no more than 3/4 full. <i>FREEZE IMMEDIATELY.</i>	Call for Unique Transport Container	Bio Center Lab via Quest
367 81005.5	Reducing Substances, Urine	None		Submit 5-8mL random urine, 1st morning void preferred. Transport within 2hrs of collection.	10mL Urine Aliquot Tube	AHL
115 84300.2	Sodium, Random Urine	None		Submit 5-8mL random urine	10mL Urine Aliquot Tube	AHL
234 84300.1	Sodium, Timed Urine	None		Submit 5-8mL mixed aliquot of 24hr specimen. Record total volume and hours of collection on requisition & aliquot	10mL Urine Aliquot Tube	AHL
1262 LAB1262	Supersaturation Profile, Urine	None - Refrigerate throughout collection	Toluene	Submit 35mL mixed aliquot of 24hr specimen	60mL Amber Urine Aliquot Bottle	MML

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264 84540.0	Urea Nitrogen, Timed Urine	None		Submit 5-8mL mixed aliquot of 24hr specimen. Record volume and hours of collection on requisition & aliquot	10mL Urine Aliquot Tube	AHL
263 84560.0	Uric Acid, Timed Urine	None		Submit 5-8mL mixed aliquot of 24hr specimen. Record volume and hours of collection on requisition & aliquot	10mL Urine Aliquot Tube	AHL
275 84585.0	Vanillylmandelic Acid (VMA), 24 Hr Urine	AA	BA, HNO3	Submit 5mL mixed aliquot of 24hr specimen. Required urine pH <5.	60mL Amber Urine Aliquot Bottle	MML
994 LAB994	Xylose Absorption Test (Adult)	None		Submit 5mL mixed aliquot of 5 hr urine collection obtained after overnight (minimum 8hr) fast and administration of d-xylose (see AHL Test Catalog for complete instructions), along with fasting and 1hr serum specimens.	60mL Amber Urine Aliquot Bottle	MML