

Test #/ Code	Test Name	Preferred Preservative	Alternate Preservative(s)	Processing	Performing Lab
11/KSU	17-Keto Steroids, 24 Hr Urine	AA	BA	Submit 25ml mixed aliquot, or entire 24 hr specimen	MML
231/5HI	5-Hydroxyidole Acetic Acid (5-HIAA)	AA	HCl, HNO ₃ , NaCO ₃ , Toluene	Submit 50ml mixed aliquot, or entire 24 hr specimen. Record total volume on request and/or aliquot	MML
23/A24	Aldosterone, 24 Hr Urine	AA	BA, Thymol, Toluene	Submit 25ml mixed aliquot, or entire 24 hr specimen	MML
332/AQU	Amino Acid Fractionated - Urine Quant	None		Submit 25ml aliquot of 24 Hr collection. Must be refrigerated throughout collection and <i>FROZEN WITHIN 4 HOURS OF COMPLETION OF COLLECTION</i>	MML
291/AAU	Amino Acid Screen, Qual	None		Submit 5 ml aliquot of random urine, <i>FROZEN</i> .	MML
30/ALA	Aminolevulinic Acid, Quant 24 Hr Urine	AA	HCl	Submit 25ml mixed aliquot, or entire 24 hr specimen. <i>PROTECT FROM LIGHT</i> .	MML
29/ATU	Amylase, Timed Urine	None		Submit 10ml mixed aliquot, or entire specimen. Record total volume and hours of collection on requisition and/or aliquot	AML
38/ARU	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>	MedTox
3186/AFF	Arsenic Fractionation, Urine	<i>Acid Washed Container</i>		Submit 10ml random urine in an acid washed container.	MedTox
42/BJP	Bence Jones ELP	None		Submit 10ml random urine	AML
3165/CEX	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>	MedTox
1693/CDU	Cadmium, 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>	MedTox
1341/CUR	Calcium, Random Urine	None		Submit 1ml random urine	AML
57/CAU	Calcium, Timed Urine	None	AA, BA, HCL	Submit 25ml mixed aliquot, or entire specimen. Record total volume and hours of collection on requisition & aliquot. Specimen must be refrigerated during collection and transport.	AML
1044/CCR	Calcium/Creatinine Ratio, Urine	None		Submit 10ml random urine	AML
239/CTU	Catechol Amines Fractionation, Urinary, Free	AA	BA, HCl, HNO ₃ , Thymol	Submit 25ml mixed aliquot, or entire 24 hr specimen. Record total volume on requisition & aliquot	MML
1006/UCH	Charcoal, Urine	None		Submit 25ml of random urine, 25ml mixed aliquot, or entire 24 hr specimen	AML
70/CLT	Chloride, Timed Urine	None	AA, BA	Submit 25ml mixed aliquot, or entire specimen. Record total volume and hours of collection on requisition & aliquot	AML
994/MSO	Chromium, 24 Hr Urine	<i>Acid Washed Container</i>		Submit 25ml aliquot of 24 hr collection in an <i>acid washed container</i>	MedTox
315/FQU	Chyluria Screen	None		Submit 10ml random urine, <i>FROZEN</i>	MML
295/CIT	Citrate, 24 Hr Urine	BA	HCl, AA	Submit 25ml mixed aliquot, or entire 24 hr specimen. Record total volume on requisition & aliquot	MML
78/CUU	Copper, 24 Hr Urine	<i>Acid Washed Container</i>		Submit 25ml mixed aliquot or entire specimen in an <i>acid washed container</i> . Record total volume on requisition & aliquot	MML

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

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74/CFU	Cortisol, Free,Urine	BA	AA, Na ₂ CO ₃ , Thymol, Toluene	Submit 25ml mixed aliquot, or entire 24 hr specimen. Record total volume on requisition & aliquot	MML
1054/CRC	Creatinine Clearance	None	AA, BA, HCL, Na ₂ CO ₃	Submit 25ml mixed aliquot, or entire 24 Hr specimen. Record total volume on requisition and/or aliquot. Must submit 1ml of serum as well as patient's height & weight	AML
62/CRU	Creatinine, Urine-Random	None		Submit 10ml random urine	AML
85/CRT	Creatinine, Urine-Timed	None	AA, BA, HCL, Na ₂ CO ₃	Submit 25ml mixed aliquot, or entire 24 Hr specimen. Record total volume on requisition and/or aliquot	AML
2958/CYQ	Cystine, Quant, Random Urine	None		Submit 25ml Random Urine, FROZEN	MML
994/MSO	Cystine, Urine Quant, 24 Hr	None	Toluene	Submit 25ml aliquot of 24 hr urine, FROZEN WITHIN 4 HRS OF COLLECTION	Mayo
402/AUQ	Ethanol, Urine Quant	None		Submit 10ml random urine. Tube must be filled to prevent loss of volatile compound to head space.	AML
377/GTU	Glucose, Timed Urine	None	AA, BA, HCL	Submit 25ml mixed aliquot, or entire specimen. Record total volume and hours of collection on requisition and/or aliquot	AML
376/UGL	Glucose, Urine Qual	None		Submit 10ml random urine	AML
128/HMU	Heavy Metals, 24 Hr Urine (Arsenic, Lead and Mercury)	Acid Washed Container		Submit 25ml mixed aliquot, or entire 24 Hr specimen in an acid washed container. Completed Lead Form must accompany specimen & requisition	MedTox
994/MSO	Histamine, 24 Hr Urine	AA		Submit 25ml mixed aliquot of 24 hour collection	MML
296/HVA	Homovanillic Acid, Urine	AA	HCl	Submit 25ml mixed aliquot, or entire 24 hr specimen in amber container. Record total volume on requisition & aliquot.	MML
3704/IFU	Immunofixation, Urine	None		Submit 25ml mixed aliquot, or entire 24 hr specimen. Record total volume on requisition & aliquot. Random Specimen acceptable	AML
7873/ILU	Immunoglobulin Total Light Chains	None		Submit 10ml mixed aliquot, or entire 24hr specimen. Record total volume on requisition & aliquot. Alternate 1ml random urine	MML
334/UKT	Ketones, Urine	None		Submit 10ml random urine	AML
153/PBU	Lead, 24 Hr Urine	Acid Washed Container		Submit 25ml mixed aliquot, or entire specimen in an acid washed container. Completed Lead Form must accompany specimen & requisition. Record total volume on requisition & aliquot.	MML
667/MGU	Magnesium, 24 Hr Urine	None		Submit 25ml mixed aliquot, or random specimen. Record total volume on requisition & aliquot. No reference ranges established for random specimen.	MML
177/HGU	Mercury, 24 Hr Urine	Acid Washed Container preferred but not required		Submit 25ml mixed aliquot, or entire 24 hr specimen in an acid washed container. Record total volume on requisition & aliquot. Random specimen is acceptable if submitted in an acid washed container.	MML

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179/MEU	Metanephrine, 24 Hr Urine	BA		Submit 25ml mixed aliquot, or entire 24 hr specimen. Record total volume on requisition & aliquot.	MML
994/MSO	Methyl Malonic Acid, Urine	None		Submit 10ml random urine, <i>FROZEN</i>	Quest
634/MAQ	Microalbumin, 24 Hr Urine	None	BA, NA ₂ CO ₃	Submit 10ml mixed aliquot, or entire 24 hr specimen. Record total volume on requisition & aliquot.	AML
630/MAR	Microalbumin, Random Urine	None		Submit 10ml random urine	AML
180/MYU	Myoglobin Quant, Urine	None		Submit 10ml random urine <i>FROZEN</i>	MML
342/MYQ	Myoglobin Screen	None		Submit 20ml unpreserved random urine specimen	AML
2609/NIU	Nickel, Urine	<i>Acid Washed Container</i>		Submit 10ml random urine in an <i>acid washed container</i>	MedTox
2920/NTX	NTX Telo peptide	None		Submit 25ml mixed aliquot or entire collection. Second morning void or random specimen acceptable.	MML
404/OAU	Organic Acids Screen, Urine	None		Submit 10ml random urine, <i>FROZEN</i> . Include patient's age, Dx and drug therapy on request.	MML
183/OSU	Osmolality, Urine	None		Submit 10ml unpreserved random urine	AML
188/OXU	Oxalate, 24 Hr Urine	AA	BA, HNO ₃ , Thymol, Toluene	Submit 25ml mixed aliquot, or entire 24 hr specimen. Record total volume on requisition & aliquot.	MML
206/PSU	Phosphorous, Timed Urine	None	AA, BA, HCL	Submit 25ml mixed aliquot, or entire specimen. Record volume and hours of collection on requisition & aliquot	AML
267/PRU	Porphyrins, 24 Hr Urine	5g Sodium Carbonate		Submit 25ml mixed aliquot or entire 24 Hr specimen, <i>PROTECTED FROM LIGHT, FROZEN</i>	MML
213/KRU	Potassium, Urine-Random	None		Submit 10ml random urine	AML
210/KTU	Potassium, Timed Urine	None	AA, BA, HCL	Submit 50ml mixed aliquot, or entire 24 Hr specimen. Record total volume on requisition & aliquot	AML
218/UEP	Protein ELP, 24 Hr Urine	None		Submit 50ml mixed aliquot, or entire 24 hr specimen. Record total volume on request & aliquot	AML
3218/REP	Protein ELP, Random Urine	None		Submit 30ml random urine. First AM void is preferred	AML
1184/PQR	Protein, Random Urine	None		Submit 10ml of random urine	AML
361/PTU	Protein, Timed Urine	None	BA, NA ₂ CO ₃	Submit 25ml mixed aliquot, or entire 24 Hr specimen. Record total volume on requisition & aliquot	AML
2805/UPC	Protein/Creatinine Ratio, Urine	None		Submit 2-7ml random urine	AML
994/MSO	Pyroles	500mg Ascorbic Acid		Call for container prior to beginning collection. Pour 10ml random urine into brown sterile container containing 500mg ascorbic acid and freeze immediately. Fill tube no less than 1/2 and no more than 3/4 full. <i>FREEZE IMMEDIATELY.</i>	Bio Center Lab via Quest
367/RSU	Reducing Substances, Urine	None		Submit 10ml random urine. Transport immediately	AML
234/NAT	Sodium, 24 Hr Urine	None	AA, BA, HCL	Submit 25ml mixed aliquot, or entire 24 Hr specimen. Record total volume and hours of collection on requisition & aliquot	AML
115/NAU	Sodium, Urine - Random	None		Submit 10ml random urine	AML
2312/UEX	Supersaturation Profile, Urine	None		Submit 25 ml mixed aliquot, or entire 24 hr specimen, <i>FROZEN</i>	MML

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264/UUN	Urea Nitrogen, 24 Hr Urine	None	AA, BA, HCL	Submit 25ml mixed aliquot, or entire 24 Hr specimen. Record volume and hours of collection on requisition & aliquot	AML
263/URU	Uric Acid, 24 Hr Urine	None	BA, NA ₂ CO ₃	Submit 25ml mixed aliquot, or entire 24 Hr specimen. Record volume and hours of collection on requisition & aliquot	AML
275/VMA	VMA (Vanillymandelic Acid), 24 Hr Urine	AA		Submit 25 ml mixed aliquot, or entire 24 hr specimen	MML
8124/XAT	Xylose Absorption Test	None		Submit 5 ml mixed aliquot of 5 hr urine collection obtained after overnight fast and administration of 25gm (peds 5 gm) dose of d-xylose in 250ml of water. Place aliquot in a PLASTIC urine gray top tube or a plastic screw cap tube before transport. <i>FREEZE (If tube is glass, pour entire contents into plastic screw cap vial before freezing and transport)</i>	MML

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