Preservation of Specialized Urine Tests

In-House Urine Tests Calcium **Phosphorus** Uric Acid Magnesium All other in-house urine tests do not Acidify using 6M HCl Acidify using 6M HCl Acidify using 6M HCl Alkalize using 1N NaOH require additional preservation pH range: 1.5-5.0 pH range: 3.0-4.0 pH range: 1.5-5.0 pH range: 8.5-10.0 Thoroughly mix by Thoroughly mix by Thoroughly mix by Thoroughly mix by inversion, wait 1 inversion, wait 1 inversion, wait 1 inversion, wait 1 hour hour before testing hour before testing hour before testing before testing 5-HIAA Myoglobin Cortisol Metanephrines Catecholamines Citric Acid Homovanillic Acid (HVA) Vanillylmandelic Acid (VMA) Perform urine dipstick and read blood results No preservative. No preservative. Acidify using 6M HCl Acidify using 6M HCl Minimum volume: 1mL Minimum volume: 2.5mL pH must be <7.0; >2.0 pH must be ≤2.0 Negative--Positive 🚤 **ARUP Send-Out Random Urine Tests** Preferred volume: 4mL Preferred volume: 4mL Mix well Mix well Alkalinize immediately Ambient: Unacceptable Ambient: Unacceptable Minimum volume: 2.5mL Minimum volume: 0.5mL after collection using Refrigerated: 7 days Refrigerated: 14 days Test is Preferred volume: 4.0mL Preferred volume: 4mL Ambient: Unacceptable canceled Room temp: 8 hours Refrigerated: 7 days Refrigerated: 7 days Minimum volume: 0.5mL Preferred volume: 4.0mL Ambient: 1 Hour N-Telopeptide Cross Refrigerated: 72 hours **Porphyrins Nicotine** Linked Frozen: 1 Month No preservative. No preservative. No preservative. Minimum volume: 1mL Minimum volume: 0.5mL Minimum volume: 2mL Preferred volume: 4mL Preferred volume: 1mL Preferred volume: 4mL Ambient: 10 Days Ambient: 24 Hours Ambient: unacceptable Refrigerated: 10 days

Refrigerated: 4 days

Protect from light

Refrigerated: 7 days

Please note: ARUP does not accept urine Oxalate as a random urine collection

10% Na₂CO₃

pH range 8-9

Also note: there may be an ARUP Myoglobin transport tube with preservative.