

Legacy Laboratory Services

Legacy LabAlert

June 2015

An Important Update from Legacy Laboratory Services

Urine Myoglobin Collection Tubes Require Specialized Collection Tubes

Effective June 4, 2015, **urine specimens for Myoglobin testing must be transferred within 1 hour of collection to a urine myoglobin transport tube (Mayo supply #T691).** The tubes contain sodium carbonate (Na_2CO_3), which increases the pH to ≈ 7.0 - 8.0 . **Increasing the pH to greater than 6.5 increases the stability of myoglobin in urine by at least 5 fold.** Specimens will temporarily be sent to Mayo Medical Laboratories until an adequate supply of transport tubes can be made and verified in-house. Table 1 contains a summary of specimen requirements comparing Mayo and Legacy parameters. Red font indicates significant changes.

The urine myoglobin transport tube is displayed in Figure 1. **To obtain urine myoglobin transport tubes (Mayo supply #T691) please contact Legacy Client Services Department at (503) 413-1234.**

Figure 1: Mayo Urine Myoglobin Transport Tube

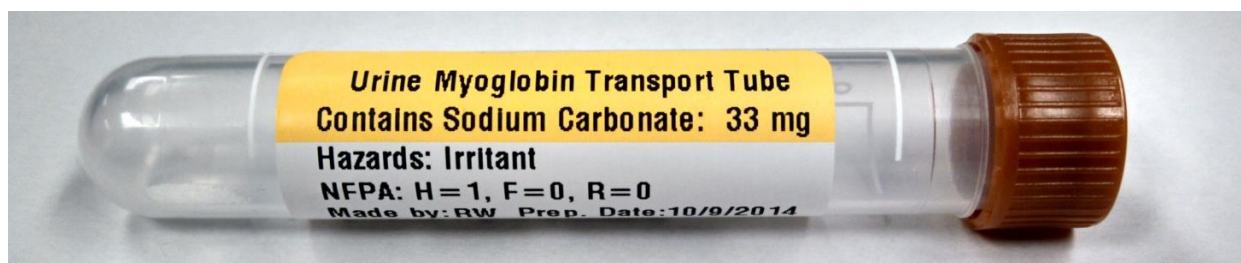


Table 1: Summary of Specimen Requirements

| Parameter | | New - Mayo | Current - Legacy |
|---------------------------|----------------------------|---|---|
| Mnemonic | | MYGLU | U MYOGLQ |
| Collect | | Urine, 10 mL urine myoglobin transport tube (supply T691) Collect a preservative-free, random urine specimen. | Urine, one sterile container |
| Handling | | 1.) If specimen is at ambient temperature, aliquot the urine to a urine myoglobin transport tube (Supply T691) within 1 hour of collection. Refrigerate specimen. 2.) If specimen is refrigerated, aliquot the urine to a urine myoglobin transport tube (Supply T691) within 2 hours of collection. | Secure the cap on collection container. Remove particulate matter by centrifugation. Transfer urine to a tightly stoppered tube within 1 hour of centrifugation. Freeze if unable to perform immediately. |
| Preferred Volume | | 5 .0 mL | 5.0 mL |
| Minimum Volume | | 1.0 mL | 1.0 mL |
| Transport | | Refrigerated (2-8°C) | Refrigerated (2-8°C) |
| Rejection Criteria | | Use of any transport tube other than urine myoglobin transport tube (T691). | Specimens left at room temperature for more than 1 hour. |
| Stability | Room Temperature (18-26°C) | na | 1 hour |
| | Refrigerated (2-8°C) | 7 days (in transport tube) | 24 hours |
| | Frozen (< -20°C) | na | 1 month |
| Performed | | Sun-Fri, 6 days/ week | 7 days/week |
| Reported | | 24-48 hours | 24 hours |
| Method | | Latex Particle-Enhanced Immunoturbidometric Assay | Chemiluminescent Immunoassay |
| Reference Values | | 0-21 µg/L (ng/mL) | 0-31 ng/mL |

For additional information, please contact your account representative, client services or consult our website:

Legacy Laboratory Client Services: 503-413-1234, 877-270-5566

www.legacyhealth.org/labservices