**Lactose Tolerance Test**

**CPT Code:** 82951 (x1), 82952 (x2)  
**Order Code:** C2412  
**ABN Requirement:** No  
**Synonyms:** Lactase Deficiency, Carbohydrate Intolerance, Disaccharidase Deficiency, Congenital Alactasia  
**Specimen:** Plasma  
**Volume:** 1.0 mL per tube  
**Minimum Volume:** 0.3 mL per tube  
**Container:** Potassium Oxalate/Sodium Fluoride (Gray top) tube

**Collection:**

1. Draw and gently invert 8 to 10 times.  
2. Centrifuge immediately for 10 minutes at 1300 RCF at room temperature.  
3. Pre-squeeze transfer pipet bulb and draw off approximately 2/3 of the upper plasma layer.  
   **Note:** This ensures that the buffy coat and red cells remain undisturbed.  
4. Aliquot plasma into labeled transport tube and cap tightly. Discard original tube.  
5. Store transport tube refrigerated at 2-8°C until ready to ship.

**Patient Preparation:** Patient must fast a minimum of 6 hours.

**Special Instructions:** Immediately after a fasting specimen is obtained, have patient ingest a 50g dose of lactose in 400 mL water. Draw subsequent specimens at 30, 60, 90, and 120 minutes after ingestion of lactose. Label each tube with the specific collection time.

**Transport:** Store plasma at 2°C to 8°C after collection and ship the same day per packaging instructions provided with the Cleveland HeartLab, Inc. shipping box.

**Stability:**

- **Ambient (15-25°C):** 24 hours  
- **Refrigerated (2-8°C):** 72 hours  
- **Frozen (-20°C):** 30 days
**Deep Frozen (-70°C):** 30 days

**Causes for Rejection:** Specimens other than potassium oxalate/sodium fluoride plasma; improper labeling (including draw time labeling); samples not stored properly; samples older than stability limits

**Methodology:** Glucose Hexokinase

**Turn Around Time:** 2-3 days

**Reference Range:**

**Critical Values:**

**Clinical Information:** Evaluation of suspected lactose intolerance and diarrhea.