Changes in Grey

# Purpose: Critical Values in the clinical Laboratory pose a patient safety risk. All critical values listed in this policy are to be called to the ordering patient or ordering provider/ordering provider’s direct assistant.

Critical value list

| **Critical Values:** |   |
| --- | --- |
| **Calcium, Total** | <6.0,         >13.0 mmol/L |
| **Glucose, Adults** | <40            >500 mg/dL |
| **Magnesium** | <1.0 mg/dL or >9.0 mg/dL |
| **Bilirubin, Total** | >15 mg/dL |
| **Iron** | >500 ug/dL |
| **Phosphorus** | <1.0 mg/dL or >9.0 mg/dL |
| **Potassium, adult** | <2.7,   or      >6.2 mmol/L |
| **Sodium** | <120,  or   >160 mmol/L |
| **Hematocrit** | <18%   or   >60% |
| **Hemoglobin** | <6.0 g/dL |
| **Platelets** | <20   or >1000 x 10^3 |
| **WBC** | <2.0 or  >50 x 10^3 |
| **INR (no known OAC)** | >5.0 INR |
| **APTT (no known anticoagulant)** | >90 seconds |

# All Critical Values are to be confirmed by repeat analysis, where possible.

# All Critical values are to be called to the ordering patient or the ordering provider in a timely manner. Critical Values once verified are to be called the ordering patient or provider within 1 hour of verification of critical results.

1. Critical Value calls to the Patient or provider/provider’s direct assisstant must include a read back of the results.

# Critical values are to be documented on the patient report and on the Bioreach Critical Value report log.

# Critical value report form is to be reviewed monthly for documentation errors. Additional problem resolution or support is to be addressed by Bioreach Laboratories Clinical Consultant.