

# LOGAN

## HEALTH

### Laboratory Services

#### Fasting for a Blood Specimen Collection

An overnight fast is required for a number of laboratory tests. Please reference the test list below and fasting time periods. Inform patients to follow these instructions to ensure optimal results.

- Do not eat or drink anything except normal amounts of plain water for 10-12 hours prior to testing.
- Drink normal amounts of water, but no coffee, decaffeinated coffee, tea, or juice. In addition, one should avoid alcoholic beverages for 48 hours if LIPID or Vitamin A, E or C testing is ordered.
- Do not smoke, chew gum, or exercise the morning of the test.
- Take normal dosages of medications, unless the provider has instructed otherwise

#### Why is Fasting Necessary?

The nutrients in the food and beverages that are consumed absorb into the blood stream and could impact factors measured by certain tests. If fasting is going to be a problem for a patient, please discuss this with the healthcare provider.

Results may be inaccurate if fasting was not done prior to the test and may lead to improper diagnosis or treatment. If a patient receives abnormal test results, ask the patient if they fasted properly before the testing. If the patient did not fast, the specimen and test will need to be repeated because of the inaccurate result(s).

#### Required Fasting Laboratory Tests

| 8 hours    | 10 to 12 hours                                      | 12-14 hours   |
|------------|---|---|
| Bile Acids | Acylcarnitine <i>(prior to feeding)</i>             | Cholesterol <i>(only if part of a lipid screen)</i> |
| C-Peptide  | Glucose   | HDL Cholesterol                                     |
| Gastrin    | Glucose Tolerance <i>(Gestational and Diabetic)</i> | LDL Cholesterol                                     |
|            | Growth Hormone                                      | Lipoprotein A                                       |
|            | Insulin   | Lipid Panel <i>(Avoid Alcohol)</i>                  |
|            | Proinsulin  | Triglycerides                                       |
|            | Vasopressin Intestinal Polypeptide                  | Vitamin A, E, C <i>(Avoid Alcohol)</i>              |

#### Recommended Fasting Laboratory Tests

| 8 hours  | 10 to 12 hours   |
|--|--|
| Amino Acids<br><i>(4 hours for infants)</i><br>Reference values based<br>on fasting patients | BMP- Basis Metabolic Panel<br>CMP-Comprehensive Metabolic Panel<br>General Health Panel <i>(BMP, CMP, TSH)</i><br>Homocysteine<br>Hyper Coagulation Studies<br>Liver Fibrosis, Fibrotest<br>Vitamin B12 & Folate |