

Reporting Title: Insulin, Free and Total, S
Performing Location: Mayo Clinic Laboratories - Rochester Superior Drive

Specimen Requirements:

Patient Preparation:

1. **Fasting: 8 hours, required**
2. For 12 hours before specimen collection, **do not** take multivitamins or dietary supplements containing biotin (vitamin B7), which is commonly found in hair, skin, and nail supplements and multivitamins.

Collection Container/Tube:

Preferred: Serum gel
Acceptable: Red top
Submission Container/Tube: Plastic vial
Specimen Volume: 2.45 mL

Collection Instructions:

1. Avoid hemolysis
2. Label specimens with corresponding collection times.
3. Serum-gel tubes should be centrifuged within 2 hours of collection.
4. Red-top tubes should be centrifuged and aliquoted within 2 hours of collection.
5. Send specimen refrigerated

Additional Information: If multiple specimens are collected, send separate order for each specimen.

| Specimen Type | Temperature | Time | Special Container |
|---------------|--------------------------|----------|-------------------|
| Serum | Refrigerated (preferred) | 14 days | |
| | Ambient | 24 hours | |
| | Frozen | 180 days | |

Result Codes:

| Result ID | Reporting Name | Type | Unit | LOINC® |
|-----------|-------------------|---------|--------|---------|
| INSTO | Insulin, Total, S | Numeric | mIU/mL | 20448-7 |
| INSF | Insulin, Free, S | Numeric | mIU/mL | 6901-3 |

LOINC® and CPT codes are provided by the performing laboratory.

Supplemental Report:

No

Components:

| Test Id | Reporting Name | CPT Units | CPT Code | Always Performed | Available Separately |
|---------|-------------------|-----------|----------|------------------|----------------------|
| INSF | Insulin, Free, S | 1 | 83527 | Yes | No |
| INSTO | Insulin, Total, S | 1 | 83525 | Yes | Yes, (Order INS) |

CPT Code Information:

83527-Free Insulin

83525-Total Insulin

Reference Values:

FREE INSULIN:

3-25 mIU/mL

TOTAL INSULIN:

3-25 mIU/mL