

## NMR LipoProfile w/ Insulin Resistance Markers

Order Name: **NMR LP+IR**  
Test Number: 5194318  
Revision Date: 12/01/2025

TEST NAME	METHODOLOGY	LOINC CODE
<b>NMR LipoProfile w/ Insulin Resistance Markers</b>	Nuclear Magnetic Resonance (NMR)	

### SPECIMEN REQUIREMENTS

Specimen	Specimen Volume (min)	Specimen Type	Specimen Container	Transport Environment
Preferred	<b>2 mL (1 mL)</b>	<b>Serum</b>	<b>Clot Activator (Red Top, No-Gel)</b>	<b>Refrigerated</b>
Alternate 1	<b>2 mL (1 mL)</b>	<b>Serum</b>	<b>NMR LipoTube</b>	<b>Refrigerated</b>
Alternate 2	<b>2 mL (1 mL)</b>	<b>Plasma</b>	<b>EDTA (Lavender Top)</b>	<b>Refrigerated</b>
Alternate 3	<b>2 mL (1 mL)</b>	<b>Plasma</b>	<b>Sodium Heparin (Green Top / No-Gel)</b>	<b>Refrigerated</b>

### Instructions

**Specimen Type:** Do Not use Gel separation tubes. The NMR LipoTube is the only acceptable gel-barrier tube.

**Patient Preparation:** Patient should be fasting for eight hours.

**Specimen Processing:** If using Red No Gel Clot tube, allow specimen to clot completely at room temperature. Separate serum or plasma from cells ASAP or within 2 hours of collection. Immediately after centrifugation, pipette separated red-top serum or green-top/lavender-top plasma into a transport tube and label accordingly and keep refrigerated.

**NOTE: If using the NMR LipoTube (black-and-yellow-top tube)** - Gently invert tube eight to 10 times to mix contents and allow specimen to clot for 30 minutes upright at room temperature prior to centrifugation and to avoid red cell contamination during shipment. If the sample cannot be centrifuged immediately, the sample should be refrigerated (at 2°C to 8°C) and centrifuged within 24 hours of collection. **Do not open NMR LipoTube (black-and-yellow-top).**

All specimens should be centrifuged by the client prior to shipment to Labcorp to ensure sample integrity.

**Specimen Stability:** After separation from cells: Room Temperature: Unacceptable, Refrigerated: 6 days, Frozen: Unacceptable.

**Cause for Rejection:** Unspun specimens; plasma/serum contaminated with red cells; citrated plasma (light blue-top tube); gross hemolysis; specimen received in inappropriate container; specimen stored at room temperature for more than a total preanalytical time of 24 hours; specimen more than six days old.

### GENERAL INFORMATION

Expected TAT	2 - 3 days
Performing Labcorp Test Code	884209
CPT Code(s)	83704
Lab Section	Reference Lab