

Patient Information

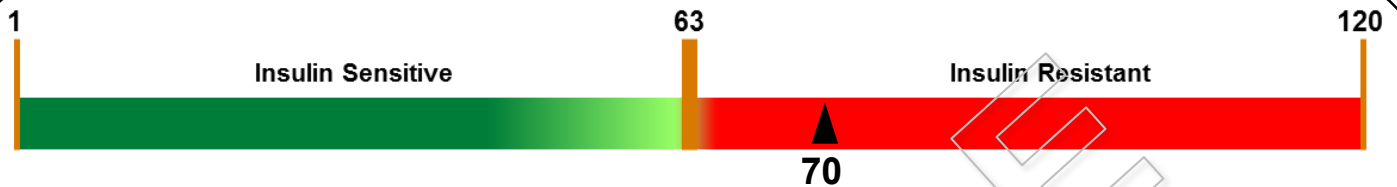
Name:
Date of Birth:
Gender:
Sample ID:

Patient Sample Information

Date Collected:
Collection Time:
Date Received:
Date Reported:

Physician Information

Name:
Address:
Telephone:



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Metabolite	Result	Units	Reference Interval
Insulin		µU/mL	3.13 – 21.3
AHB		µg/mL	1.92 – 7.37
LGPC ¹		µg/mL	7.60 – 25.4
Oleic Acid		µg/mL	25.9 - 114

The reference intervals were established using 456 non-diabetic subjects at risk for diabetes (IFG, IGT, and/or FINDRISC score >12)

Comments:

Quantose IR™ Test

Quantose IR is a fasting blood test that measures a panel of biomarkers that are reflective of insulin resistance (IR). IR is an early risk sign for the development of prediabetes, diabetes, high blood pressure and other cardiovascular conditions³. The Quantose IR test is based on a panel of biomarkers comprised of a small organic acid (alpha-hydroxybutyric acid (AHB), 2 lipids (oleic acid and linoleoylglycerophosphocholine (LGPC)) and insulin. The test score was developed to estimate the value obtained from the hyperinsulinemic euglycemic clamp, the gold standard for determining insulin sensitivity, within a prospective, observational cohort study of 1277 clinically healthy, non-diabetic people recruited from 13 European countries². The IR cut-off of 63 was defined by the top tertile of scores from the study. Immunochemistry (insulin) and mass spectrometry (UHPLC LC-MS/MS) based quantitation are used to measure concentrations of the panel biomarkers which are then combined to generate the Quantose IR Score (scale 1-120). Quantose IR technical specifications are available upon request.

Results Authorized By: Douglas R. Toal, PhD, D(ABMM)

CAP No. 7531174

CLIA No. 34D2017656

This test was developed and its performance characteristics determined by Metabolon, Inc. It has not been cleared or approved by the U.S. Food and Drug Administration. Metabolon is regulated under the Clinical Laboratory Improvement Amendments (CLIA) and the College of American Pathologists (CAP) as an accredited laboratory to perform high complexity clinical testing. Test results should be interpreted in conjunction with other laboratory and clinical data available to the clinician. Quantose IR™ is a trademark of Metabolon. All rights reserved.

¹LGPC decreases with increasing score

²Cobb J et al. A novel fasting blood test for insulin resistance and prediabetes, J Diabetes Science and Technology, 2013

³Patti M et al, Coordinated reduction of genes of oxidative metabolism in humans with IR and diabetes; Proceedings of the National Academy of Sciences of the USA, 2003