ClevelandHeartLab® Know your risk. | Quest Diagnostics®

Report Status: Final

Patient Information	Specimen Information	Client Information

COMMENTS: FASTING:YES

Cardio IQ®

Test Name	Current Result & Risk: Optimal	Current Result & Risk: Non-Optimal	Risk/Reference Interval: Optimal	Moderate	High	Units	Historical Result & Risk
METABOLIC MARKERS							
INSULIN, INTACT, LC/MS/MS	6		<=16	N/A	>16	uIU/mL	
C-PEPTIDE, LC/MS/MS	1.31		<=2.16	N/A	>2.16	ng/mL	
INSULIN RESISTANCE SCORE	14		<33	33-66	>66		

For details on reference ranges please refer to the reference range/comment section of the report.

SPECIMEN:

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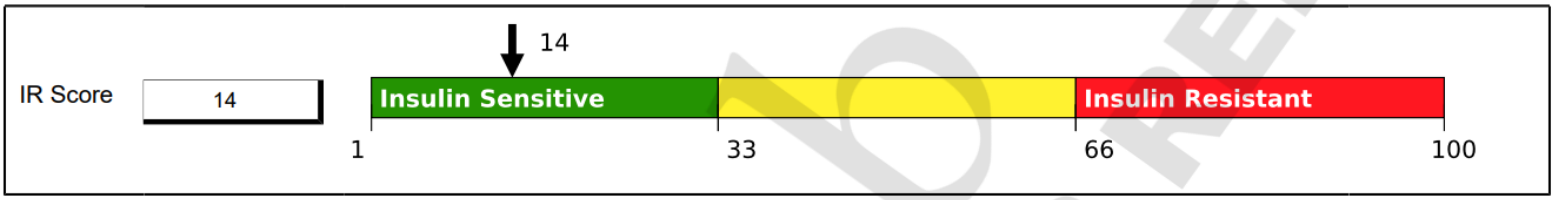
Cardio IQ® Insulin Resistance Panel with Score

Panel Results **Lab:**

Test name	Patient Results	Reference Range
INSULIN, INTACT, LC/MS/MS	6	< OR = 16 uIU/mL
C-PEPTIDE, LC/MS/MS	1.31	0.68-2.16 ng/mL
INSULIN RESISTANCE SCORE	14	< OR = 66

Insulin Resistance Score



A score below 33 is optimal. The insulin resistance score correlates with steady state glucose levels achieved during an insulin suppression test, a standard research test for insulin resistance. The score is based on insulin and C-peptide results (Abbasi, F., Shiffman, D., Tong, C.H., Devlin, J. J., Reaven, G. M., McPhaul, M. J. (2017) Identification of Insulin Resistance in Apparently Healthy Individuals. Manuscript in preparation).

Insulin Sensitive < 33; Impaired Insulin Sensitivity 33-66; Insulin Resistant >66

A score below 33 is optimal. The insulin resistance score correlates with steady state glucose levels achieved during an insulin suppression test, a standard research test for insulin resistance. The score is based on insulin and C-peptide results (Abbasi F, Shiffman D, Tong CH, et al. Insulin resistance probability scores for apparently healthy individuals. J Endocr Soc. 2018;2(9):1050-1057).

For additional information, please refer to http://education.QuestDiagnostics.com/faq/FAQ205 (This link is being provided for informational/ educational purposes only.)

This test was developed and its analytical performance characteristics have been determined by Quest Diagnostics. It has not been cleared or approved by the FDA. This assay has been validated pursuant to the CLIA regulations and is used for clinical purposes.

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Reference Range/Comments

Analyte Name	In Range	Out Range	Reference Range	Lab
C-PEPTIDE, LC/MS/MS	**1.31**		0.68-2.16 ng/mL	
INSULIN RESISTANCE SCORE	**14**		< OR = 66	
Insulin Sensitive < 33; Impaired Insulin Sensitivity 33-66; Insulin Resistant >66 A score below 33 is optimal. The insulin resistance score correlates with steady state glucose levels achieved during an insulin suppression test, a standard research test for insulin resistance. The score is based on insulin and C-peptide results (Abbasi F, Shiffman D, Tong CH, et al. Insulin resistance probability scores for apparently healthy individuals. J Endocr Soc. 2018;2(9):1050-1057). For additional information, please refer to http://education.QuestDiagnostics.com/faq/FAQ205 (This link is being provided for informational/educational purposes only.) This test was developed and its analytical performance characteristics have been determined by Quest Diagnostics. It has not been cleared or approved by the FDA. This assay has been validated pursuant to the CLIA regulations and is used for clinical purposes.				
INSULIN, INTACT, LC/MS/MS	**6**		< OR = 16 uIU/mL	
Insulin concentration can be converted to pmol/L by applying the conversion factor: 1 uIU/mL = 5.97 pmol/L For additional information, please refer to http://education.QuestDiagnostics.com/faq/FAQ170 (This link is being provided for informational/educational purposes only.) This test was developed and its analytical performance characteristics have been determined by Quest Diagnostics. It has not been cleared or approved by the FDA. This assay has been validated pursuant to the CLIA regulations and is used for clinical purposes.				

SPECIMEN: