

VITROS® MYOGLOBIN ASSAY

Improving accuracy. Creating efficiency.

Ortho-Clinical Diagnostics offers you the ability to enhance your cardiac portfolio, providing accuracy and results integrity that you can count on – thanks to its patented VITROS technologies and the unmatched intelligence of the VITROS ECi Immunodiagnostic System using proprietary Intellicheck™ Technology.

Advanced Security

- The VITROS ECi Immunodiagnostic System using Intellicheck Technology helps ensure results integrity and error reduction.

Enhanced Service Levels

- Excellent precision and optimized dynamic ranges minimize unnecessary dilutions and repeats.
- Small sample volumes and rapid time to first result provide improved patient service.

Labor Optimization

- Improved labor efficiency and effectiveness are achieved with:
 - Ready-to-use integrated reagent packs
 - Simplicity of calibration
 - Less system maintenance when compared to other testing systems

Cost Containment

- Cardiac testing consolidation, operational simplicity and excellent on-board reagent stability drive overall cost efficiencies in your laboratory.



Myoglobin is an early marker of myocardial necrosis. It is often used as a negative marker for acute myocardial infarction (AMI) since two consecutive results below the cutoff, along with other clinical information, could be used to rule out a diagnosis of AMI. Clinical studies have demonstrated detectable levels of myoglobin as early as 1 hour after onset of symptoms, and peak levels within 4-5 hours.

Myoglobin levels may be elevated in many conditions. Therefore, an elevated myoglobin result must be used in addition to other clinical information, e.g., other cardiac marker test results, ECG, symptoms, and clinical observation, in order to aid in the diagnosis of AMI.¹

¹ VITROS Immunodiagnostic Products Myoglobin Reagent Pack Instructions for use. Refer to appropriate sections for additional information related to intended use, warnings and limitations.

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VITROS MYOGLOBIN ASSAY SUMMARY

SAMPLE TYPE	SERUM, EDTA PLASMA, LITHIUM OR SODIUM HEPARIN PLASMA
RANGE	0 – 2000 ng/mL
ANALYTICAL SENSITIVITY	< 2.0 ng/mL
TIME TO FIRST RESULT	16 MINUTES
SAMPLE VOLUME	10 µL
ON-BOARD TEST REAGENT STABILITY	12 WEEKS
CALIBRATION INTERVAL	28 DAYS

EXPECTED VALUES

	n	97.5 PERCENTILE UPPER REFERENCE LIMIT
ALL INDIVIDUALS	1745	101 ng/mL
MALE	919	121 ng/mL
FEMALE	826	61.5 ng/mL

THE VITROS ECi AND THE MYOGLOBIN ASSAY: A PRODUCTIVE COMBINATION.

The VITROS ECi Immunodiagnostic System is simple to use because it's fully automated and flexible. It provides truly continuous, STAT, random access capabilities for routine and specialty immunodiagnostic testing. The system also uses proprietary Enhanced Chemiluminescence detection technology to provide excellent assay performance. In addition, the VITROS ECi uses Intellicheck™ Technology—a technology designed to verify diagnostic checks throughout automated sample and assay processing—increasing the integrity and security of patient results. This helps to ensure greater confidence and productivity for your lab. Furthermore, the expanded test menu—which includes the Myoglobin assay—works with the VITROS ECi, making it simple to achieve efficiency and productivity in the lab.

ORDERING INFORMATION

VITROS IMMUNODIAGNOSTIC PRODUCTS		CATALOG NO.
VITROS Myoglobin Reagent Pack	100 tests	6801042
VITROS Myoglobin Calibrators	3 sets x 3 levels	6801043
VITROS Myoglobin Range Verifiers	1 set x 2 levels	6801044
VITROS High Sample Diluent B - Auto	100 tests	8321200
VITROS High Sample Diluent B - Manual	1 vial	1435866
MAS Cardio-Immune Cardiac Marker Controls	2 sets x 3 vials	6801001

For more information, contact your Ortho-Clinical Diagnostics Representative or visit our Web site at www.orthoclinical.com.

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