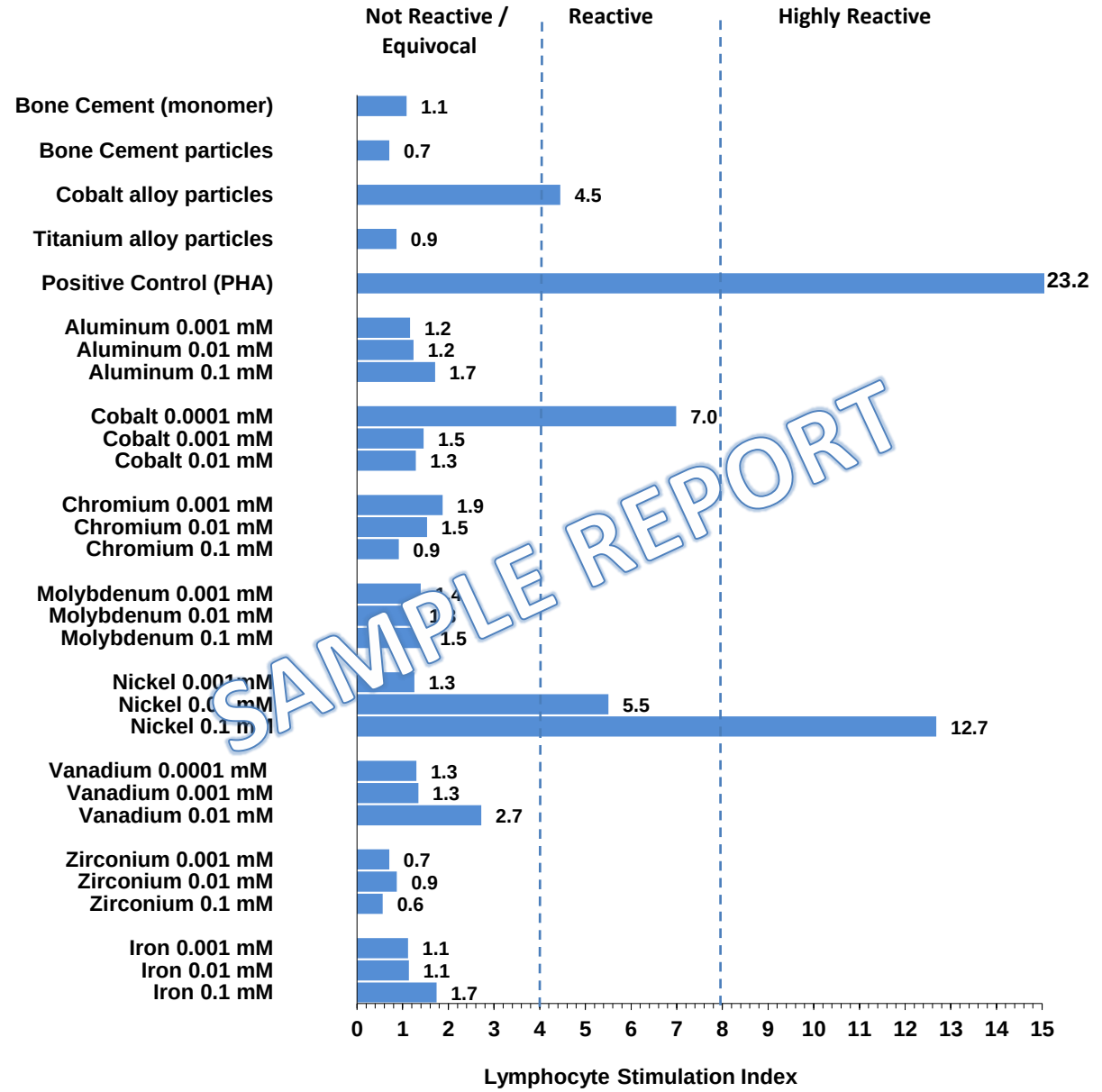
ORTHOPEDIC ANALYSIS

Metal-LTT Analysis Report

Panel 2

Report Date	9/9/9999			
Report Time	3:16 PM	**Sample Collected**	9/9/9999	2:00 PM
Patient ID	9999	**Sample Received**	9/9/9999	10:00 AM
Report For	**Jon Doe**	**DOB**	9/9/9999	
Attending Physician	**Dr. X**	**Gender**	X	

Control cpm	1713.0
Positive control (PHA) cpm	39737.7



Not Reactive / Equivocal	Less than 4
Reactive	4 to 8
Highly Reactive	above 8

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Metal Challenge	Stimulation Index	Range (percentile based)
Particles (1 micron in diameter) (10:1 particles per cell)		
Bone Cement Monomer	1.1	Not Reactive / Equivocal
Bone Cement particles	0.7	Not Reactive / Equivocal
Cobalt alloy particles	**4.5**	**Reactive**
Titanium Alloy particles	0.9	Not Reactive / Equivocal
Positive Control (PHA)	23.2	Normal Control Reactivity
Ions		
Aluminum	1.7	Not Reactive / Equivocal
Cobalt	**7.0**	**Reactive**
Chromium	1.9	Not Reactive / Equivocal
Molybdenum	1.5	Not Reactive / Equivocal
Nickel	**12.7**	**Highly Reactive**
Vanadium	2.7	Not Reactive / Equivocal
Zirconium	0.9	Not Reactive / Equivocal
Iron	1.7	Not Reactive / Equivocal

(Normal = Not Reactive / Equivocal)

IMPORTANT DISCLAIMERS:
Metal-LTT is a diagnostic test for hypersensitivity responses. It is a highly quantitative blood assay that has been used in many published scientific studies of metal allergy. The results of this testing are the property of the patient and should be used in combination with patient evaluation for diagnosis. It remains unclear to what degree metal hypersensitivity in general is etiologically linked to poor implant performance.

The performance characteristics of this test were determined by Orthopedic Analysis, LLC. It has not been cleared or approved by the U.S Food and Drug Administration (FDA). FDA has determined that such clearance or approval is not necessary. This laboratory is certified under the Clinical Laboratory Improvement Amendment (CLIA-88) as qualified to perform high complexity clinical laboratory testing.