

Patient Name: Last Name, First Name
 Patient DOB: 02/25/2005
 Patient ID Number: C000-001-AB
 Date of Test Report: 07/01/2013

Cunningham Panel™ Testing Results

PATIENT REPORT

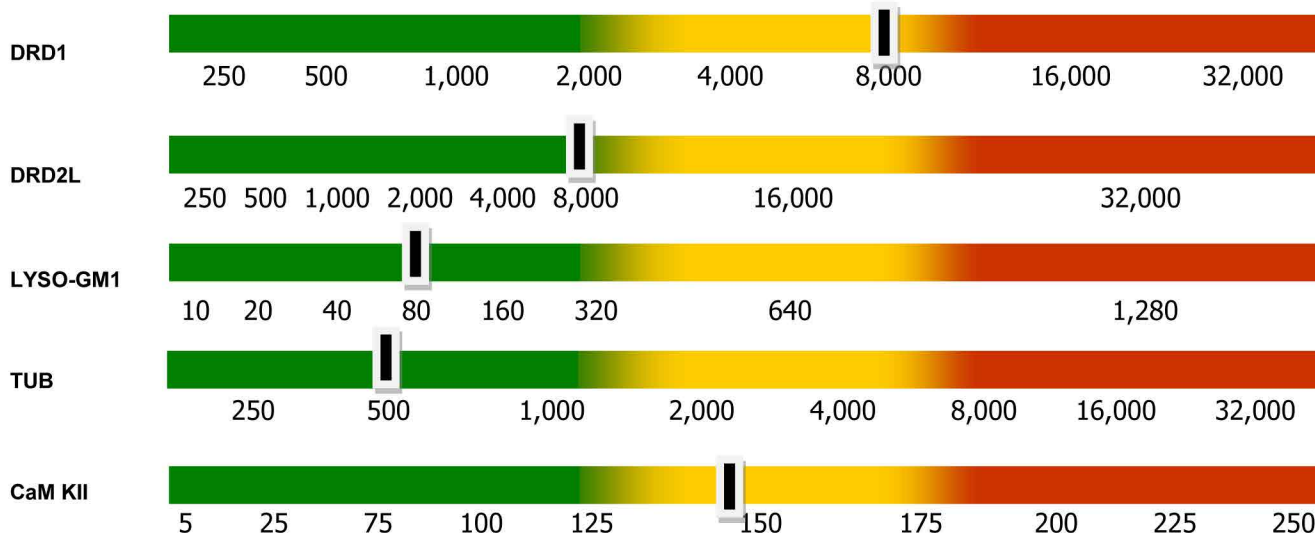
Submitting Physician: Doctor Name, MD
 Date of Collection: 05/16/2013
 Date of Receipt: 05/17/2013

LABORATORY TEST RESULTS COMPARED TO NORMAL RANGES

	Dopamine D1 (titer)	Dopamine D2 (titer)	Lysoganglioside (titer)	Tubulin (titer)	CaM Kinase II (% of baseline)
Patient Result	8,000	8,000	80	500	145
Normal Ranges	500 to 2,000	2,000 to 8,000	80 to 320	250 to 1,000	53-130
Normal Mean	1,056	6,000	147	609	95

The Cunningham Panel measures human serum Immunoglobulin G (IgG) levels by Enzyme-Linked ImmunoSorbent Assay (ELISA) directed against: Dopamine D₁ Receptor (DRD1), Dopamine D_{2L} Receptor (DRD2L), Lysoganglioside-GM1 (LYSO-GM1) and Tubulin (TUB). The ELISA assays are performed in duplicate using an assay where the colorimetric intensity at a specific wavelength is directly proportional to the amount of antibody in the sample. The fifth assay of this panel is performed in triplicate and measures the specific activity of calcium/calmodulin-dependent protein kinase II (CaM KII) induced by the patient serum in cultured human neuronal cell lines compared to controls. This panel measures the level of these antibodies, and the ability of the patient's sera to stimulate CaM KII at a single point in time. Results may vary depending on the patient's condition and status, whether they are on immunosuppressive agents, corticosteroids or other immune modulatory therapy, and the length of time post treatment.

LABORATORY TEST RESULTS



PANDAS/PANS* INTEGRATED RESULTS - BASED UPON THESE TEST RESULTS



PANDAS/PANS* unlikely

PANDAS/PANS* likely

PANDAS/PANS* highly likely

CLINICAL CORRELATION IS REQUIRED FOR DIAGNOSIS