

AUTOIMMUNE DISEASES

ENZYME IMMUNOASSAYS (EIA) and LINE/DOT-assays for the diagnosis of autoimmune diseases

IN THE FOCUS: Anti-Gangliosid Dot Analysis

Inflammatory neuropathies of the peripheral nervous system are characterized by numerous clinical symptoms, which can range from mild fatigue and uncharacteristic discomfort to neuromuscular disorders and functional deficiencies, like respiratory failure and cardiac arrest.

Autoantibodies against gangliosides occur in autoimmune diseases of the peripheral nervous system. Gangliosides are acidic glycolipids, comprised of a lipid (ceramide), an oligosaccharide chain and sialic acid.

Gangliosides are components of cell membranes and are particularly found in the central and peripheral nervous system. These antibodies directly cause an inflammation or demyelination of the myelin sheaths, therapy of autoimmune neuropathies is therefore based on immunoregulation.

This means that an accurate diagnosis is crucial for initiation of therapy.

WORLD-WIDE LDN Labor Diagnostika Nord GmbH & Co. KG

Am Eichenhain 1 - 48531 Nordhorn, Germany - Tel.: +49 5921 8197-101 - Fax: +49 5921 8197-222 - www.ldn.de - info@ldn.de

NORTH AMERICA Rocky Mountain Diagnostics Inc.

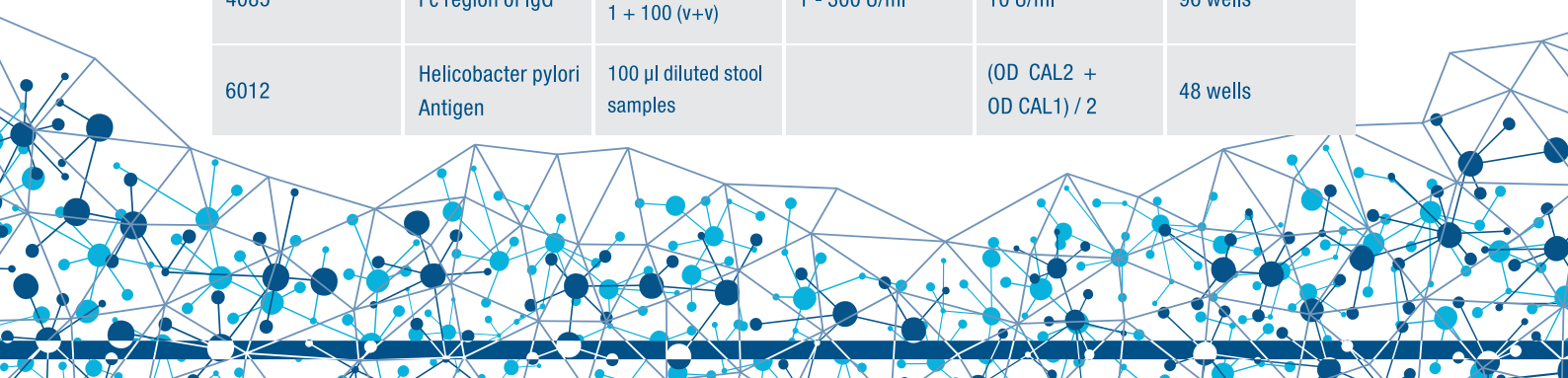
703 N Tejon Suite C - Colorado Springs - CO 80903 - Tel: 1-877-477-0039 - Fax: 1-719-477-0307 - www.rmdiagnosics.com - info@rmdiagnosics.com

CAT NO.	PARAMETER	SAMPLE SIZE	STANDARDS	SENSIVITY	FORMAT
3600	Intrinsic factor	100 µl diluted serum, 1 + 100 (v+v)	1 - 300 U/ml	10 U/ml	96 wells
3610	Parietal cells	100 µl diluted serum, 1 + 100 (v+v)	1 - 300 U/ml	10 U/ml	96 wells
3710	Deamidated gliadin	100 µl diluted serum, 1 + 100 (v+v)	1 - 300 U/ml	15 U/ml	96 wells
3750	Glycoprotein	100 µl diluted serum, 1 + 100 (v+v)	1 - 300 U/ml	10 U/ml	96 wells
3810	Deamidated gliadin	100 µl diluted serum, 1 + 100 (v+v)	1 - 300 U/ml	15 U/ml	96 wells
3850	Glycoprotein 2	100 µl diluted serum, 1 + 100 (v+v)	1 - 300 U/ml	15 U/ml	96 wells
3900	Asialoglycoprotein receptor	100 µl diluted serum, 1 + 100 (v+v)		1.0 Binding Index	96 wells
3950	Glycoprotein 2	100 µl diluted serum	1 - 300 U/ml	15 U/ml	96 wells
4006	Saccharomyces cerevisiae	100 µl diluted serum, 1 + 100 (v+v)	1 - 300 U/ml	20 U/ml or 1.0 Binding Index	96 wells
4007	Saccharomyces cerevisiae	100 µl diluted serum, 1 + 100 (v+v)	1 - 300 U/ml	20 U/ml or 1.0 Binding Index	96 wells
4010	Nuclear and cytoplasmic antigens	100 µl diluted serum, 1 + 100 (v+v)		1.0 Binding Index	96 wells
4011	Nuclear and cytoplasmic antigens	8 x 100 µl diluted serum, 1 + 100 (v+v)		1.0 Binding Index	96 wells (8 x 12)
4012	Nuclear and cytoplasmic antigens	8 x 100 µl diluted serum, 1 + 100 (v+v)		1.0 Binding Index	96 wells (8 x 12)
4014	Cardiolipin	100 µl diluted serum, 1 + 100 (v+v)		1.0 Binding Index	96 wells
4015	Double-stranded deoxyribonucleic acid	100 µl diluted serum, 1 + 100 (v+v)	1 - 300 U/ml	15 U/ml	96 wells

AUTOIMMUNE DISEASES



CAT NO.	PARAMETER	SAMPLE SIZE	STANDARDS	SENSIVITY	FORMAT
4016	Cardiolipin	100 µl diluted serum, 1 + 100 (v+v)	1 - 300 U/ml	10 U/ml	96 wells
4027	Fc region of IgG	100 µl diluted serum, 1 + 100 (v+v)	1 - 300 U/ml	20 U/ml	96 wells
4033	Tissue transglutaminase	100 µl diluted serum, 1 + 100 (v+v)	1 - 300 U/ml	30 U/ml	96 wells
4036	β2 glycoprotein I	100 µl diluted serum, 1 + 100 (v+v)		1.0 Binding Index	96 wells
4041	β2 glycoprotein I	100 µl diluted serum, 1 + 100 (v+v)	1 - 300 U/ml	10 U/ml	96 wells
4044	Tissue transglutaminase	100 µl diluted serum, 1 + 100 (v+v)	1 - 300 U/ml	30 U/ml	96 wells
4046	Fc region of IgG	100 µl diluted serum, 1 + 100 (v+v)	1 - 300 U/ml	15 U/ml	96 wells
4050	Phospholipids	100 µl diluted serum, 1 + 100 (v+v)	1 - 300 U/ml	10 U/ml	96 wells
4052	Mitochondrial antigen M2				96 wells
4053	Cytochrome p450 IID6	100 µl diluted serum, 1 + 100 (v+v)	1 - 300 U/ml	15 U/ml	96 wells
4054	Liver-Cytosol Type 1 (LC1)				96 wells
4056	Phosphatidylserine	100 µl diluted serum, 1 + 100 (v+v)	1 - 300 U/ml	10 U/ml	96 wells
4059	Proteinase 3	100 µl diluted serum, 1 + 100 (v+v)	1 - 300 U/ml	10 U/ml	96 wells
4062	Glomerular basal membrane (GBM)				96 wells
4067	Complement factor H	100 µl diluted serum, 1 + 100 (v+v)	1 - 300 U/ml	10 U/ml	48 wells
4085	Fc region of IgG	100 µl diluted serum, 1 + 100 (v+v)	1 - 300 U/ml	10 U/ml	96 wells
6012	Helicobacter pylori Antigen	100 µl diluted stool samples		(OD CAL2 + OD CAL1) / 2	48 wells



CAT NO.	PARAMETER	SAMPLE SIZE	STANDARDS	SENSIVITY	FORMAT
6013	Helicobacter pylori Antigen	100 µl diluted stool samples		(OD CAL2 + OD CAL1) / 2	96 wells
4028	MPO, PR3 and GBM	10 µl neat serum			24 x 3 wells
4029	M2, LKM1, LC1 and SLA	10 µl neat serum			24 x 4 wells
4030	M2, LKM1, LC1, SLA and F-actin	10 µl neat serum			24 x 5 wells
4049	Nuclear and cytoplasmic antigens	10 µl neat serum			24 x 8 wells
4074	Nuclear and cytoplasmic antigens	10 µl neat serum			24 x 10 wells
4077	Nuclear and cytoplasmic antigens	10 µl neat serum			24 x 6 wells
4202	Deamidated gliadin and tissue transgluaminase	10 µl neat serum			20 x 2 wells
4208	Deamidated gliadin and tissue transgluaminase	10 µl neat serum			20 x 2 wells
4220	Intrinsic factor and parietal cell antigen	20 µl neat serum			20 x 2 wells
4289	Nuclear and cytoplasmic antigens	20 µl neat serum			20 x 12 wells
4290	Deamidated gliadin, tissue transglutaminase, intrinsic	10 µl neat serum			20 x 5 wells
5003	Gangliosides	10 µl neat serum			20 x 12 wells
5006	Phospholipids and β2- glycoprotein I	30 µl neat serum			20 x 4 wells
5012	Phospholipids and serum proteins	30 µl neat serum			20 x 10 wells