

Client
Gurugram
 Pathkind Diagnostics Pvt. Ltd.
 Plot No. 55-56, Udhog Vihar Ph-IV, Gurugram - 122015

Processed By
Pathkind Diagnostics Pvt. Ltd.
 Plot No. 55-56, Udhog Vihar Ph-IV, Gurugram - 122015

Name :	Mr. PL69	Billing Date :	07/07/2023 12:29:49
Age :	35 Yrs	Sample Collected on :	10/07/2023 10:01:31
Sex :	Male	Sample Received on :	10/07/2023 11:02:13
P. ID No. :	P1000100012889	Report Released on :	17/07/2023 18:02:35
Accession No :	10002304945	Barcode No. :	10002304945-01
Referring Doctor :	Self		
Referred By :		Ref no. :	

Report Status - Final

Test Name	Result	Biological Ref. Interval	Unit
<u>Osteokind RA</u>			
Calcium <i>Sample: Serum</i> <i>Method: Spectrophotometry - OCC</i>	9.5	8.6 - 10.0	mg/dL
Uric Acid <i>Sample: Serum</i> <i>Method: Uricase-Peroxidase</i>	4.7	3.6 - 8.2	mg/dL
Rheumatoid Factor (RF), Quantitative <i>Sample: Serum</i> <i>Method: Immunosubdiffusion</i>	12.6	<14.0	IU/mL
Vitamin D 25 - Hydroxy <i>Sample: Serum</i> <i>Method: ECLIA</i>	135.0 H	Deficiency < 20 Insufficiency 20 - 30 Sufficiency 30 - 100 Toxicity > 100	ng/mL
Anti Cyclic Citrullinated Peptide Antibodies (Anti CCP) <i>Sample: Serum</i> <i>Method: ECLIA</i>	56.0 H	<5.0	U/mL

SEROLOGY

Anti Nuclear Antibodies (ANA), IFA

Method: Sample : Serum

Anti Nuclear Antibodies (ANA) by IFA <i>Sample: Serum</i>	Not Detected	Not Detected
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Uric Acid

Clinical Significance :

Uric acid is the final product of purine metabolism. Serum uric acid levels are raised in case of increased purine synthesis, inherited metabolic disorder, excess dietary purine intake, increased nucleic acid turnover, malignancy and cytotoxic drugs. Decreased levels are seen in chronic renal failure, severe hepatocellular disease with reduced purine synthesis, defective renal tubular reabsorption, overtreatment of hyperuricemia with allopurinol, as well as



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some cancer therapies.

Rheumatoid Factor (RF), Quantitative

Clinical Significance :

Rheumatoid factors (RF) test positive results are consistent with rheumatoid arthritis.

Vitamin D 25 - Hydroxy

Clinical Significance :

The 25-hydroxy vitamin D test is used to detect bone weakness or other bone malfunctions or disorders that occur as a result of a vitamin D deficiency. Those who are at high risk of having low levels of vitamin D include people who don't get much exposure to the sun, older adult, people with obesity, babies who are breastfed only, post gastric bypass surgery, Crohn's disease and other intestinal malabsorption conditions. Hypervitaminosis D usually occurs due to over intake of Vitamin D supplementation.

Anti Cyclic Citrullinated Peptide

A positive result for cyclic citrullinated peptide (CCP) antibodies indicates a high likelihood of rheumatoid arthritis (RA). It also helps in differentiating RA from other connective tissue diseases that may present with arthritis. It has also been found beneficial in diagnosis of early RA, within 3-6 months of onset of symptoms. Most studies have shown that Anti CCP antibodies have improved specificity for RA as compared to Rheumatoid factor antibody (RF). 30% patients with seronegative Rheumatoid arthritis (RF negative) show Anti CCP antibodies.

Anti Nuclear Antibodies (ANA), IFA

Antinuclear Antibodies (ANA) are antibodies directed against Nuclear/ Cytoplasmic components of the cell and are detected by Indirect immunofluorescence method (IIF). Presence of ANA indicate autoimmunity and together with other serological methods and clinical data form an important screening component in the diagnosis of Autoimmune Diseases. The IIF assay is a sensitive screening test using Hep-2 cells and is recommended as the screening test of choice by the task force of the American College of Rheumatology.



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Sample Screening Dilution	Intensity of Immunofluorescence		
1:160(Weak Positive)	+		
1:320(Medium Positive)	++		
1:640(Strong Positive)	+++		
1:1280(Very Strong Positive)	++++		

Location	Pattern	Target Antigen	Clinical Association
Nucleus	Homogeneous	dsDNA, Histones Nucleosome, RNA, Single Strand DNA	SLE Drug Induced Lupus, SLE , RA SLE, MCTD, RA, PM, DM, SS
	Speckled	Sm U1-snRNP SSA/Ro SSB/La Ku Cyclin1(PCNA) Mitosin/Cyclin II	SLE MCTD, SLE, RA, sharp syndrome Sjogren's syndromes (SS)/SLE/Neonatal Lupus PM/DM/SLE/SS SLE/Overlap Syndromes DM
	Dense Fine Speckled (DFS)	Lens epithelium-derived growth factor (LEDGF),	Healthy individuals, Various Inflammatory conditions like atopic dermatitis, interstitial cystitis, Asthma.
	Centromere	CENP-A,B,C,D,E ,G & H	CREST syndrome, PBC, Raynaud's Syndrome
	Nuclear Dots	Sp-100 , PML protein	PBC, Rheumatic Disease
	Nuclear Membrane	Lamins, gp210, p62	SLE, SS, PBC, AIH
Nucleolus	Nucleolar homogeneous	PM-Scl 75, PM Scl-100 Rpp25	PM, DM, SS SS(cutaneous form)
	Nucleolar speckled	RNA-Polymerase I / NOR-90	Progressive Systemic Sclerosis (Diffuse)
	Nucleolar(clumpy)	U3-Nrnp Fibrillarin	Systemic Sclerosis(Diffuse)
Cytoplasm	Fine granular	Jo -1 Histidyl- trna synthetase PL-7, PL-12	PM/ DM, PM/DM
	Homogeneous	P proteins: P0, P1 and P2	SLE
	Very Fine Granular	Signal recognition particle	Myositis, Polymyositis, Necrotizing Myopathy PBC
	Mitochondria type-2	Pyruvate dehydrogenase complex GW182, Su/Ago2, RAP55	Cerebellar ataxia, SLE , PBC, Sjogren's Syndrome
Cell Cycle (mitotic spindle apparatus, Mphase)	Centriole Mid-Body NuMA-1	Pericentrin, ninein, enolase Aurora kinase B complex Nuclear mitotic apparatus, type	Imic autoimmune disease Cancers MCTD



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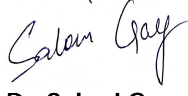
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Abbreviations: SLE: Systemic Lupus Erythematosus, SCL: Scleroderma, MCTD: Mixed Connective Tissue Disease; CFS: Chronic Fatigue Syndrome; AIH: Autoimmune Hepatitis, PBC: Primary Biliary Cirrhosis, PM: Polymyositis, DM: Dermatomyositis, SS: Systemic sclerosis,

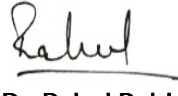
** End of Report **



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