

Name	: Z618	Collected	: 1/9/2017 12:00:00AM
Lab No.	: 135091536	Received	: 1/9/2017 10:51:00AM
Age	: 33 Years	Reported	: 1/9/2017 2:52:58PM
Gender	: Male	Report Status	: Final
A/c Status	: P	Ref By	: Dr. UNKNWON

Test Name	Results	Units	Bio. Ref. Interval
LIVER FIBROSIS PANEL			
PROTHROMBIN TIME STUDIES (Photo optical Clot Detection)			
Mean Normal Prothrombin Time (PT)	10.70	sec	
Patient value	17.10	sec	9.57 - 11.80
Prothrombin Ratio (PR)	1.60		
International Normalized Ratio (INR)	1.59		0.90 - 1.10

Note

1. INR is the parameter of choice in monitoring adequacy of oral anticoagulant therapy. Appropriate therapeutic range varies with the disease and treatment intensity
2. Prolonged INR suggests potential bleeding disorder / bleeding complications
3. Results should be clinically correlated
4. Test conducted on Citrated plasma

Recommended Therapeutic range for Oral Anticoagulant therapy

INR 2.0-3.0 :

- Treatment of Venous thrombosis & Pulmonary embolism
- Prophylaxis of Venous thrombosis (High risk surgery)
- Prevention of systemic embolism in tissue heart valves, AMI, Valvular heart disease & Atrial fibrillation
- Bileaflet mechanical valve in aortic position

INR 2.5-3.5:

- Mechanical prosthetic valves
- Systemic recurrent emboli

Comments

Prothrombin time measures the extrinsic coagulation pathway which consists of activated Factor VII (VIIa), Tissue factor and Proteins of the common pathway (Factors X, V, II & Fibrinogen). This assay is used to control long term oral anticoagulant therapy, evaluation of liver function & to evaluate coagulation disorders specially factors involved in the extrinsic pathway like Factors V, VII, X, Prothrombin & Fibrinogen.

AST (SGOT), SERUM (IFCC without P5P)	69	U/L	<50
--	-----------	-----	-----



LPL - LPL-ROHINI (NATIONAL REFERENCE
 LAB)
 SECTOR - 18, BLOCK -E ROHINI
 DELHI 110085

Name	: Z618	Collected	: 1/9/2017 12:00:00AM
Lab No.	: 135091536	Received	: 1/9/2017 10:51:00AM
Age	: 33 Years	Reported	: 1/9/2017 2:52:58PM
Gender	: Male	Report Status	: Final
A/c Status	: P	Ref By	: Dr. UNKNWON

Test Name	Results	Units	Bio. Ref. Interval
ALT (SGPT), SERUM (IFCC without P5P)	73	U/L	<50
GGTP; GAMMA GLUTAMYL TRANSPEPTIDASE, SERUM (IFCC)	59	U/L	<55
ALKALINE PHOSPHATASE (ALP), SERUM (IFCC)	243	U/L	30 - 120
PROTEIN, TOTAL, SERUM (Spectrophotometry)			
Total Protein	8.20	g/dL	6.40 - 8.30
Albumin	4.30	g/dL	3.50 - 5.20
A : G Ratio	1.10		0.90 - 2.00



LPL - LPL-ROHINI (NATIONAL REFERENCE
LAB)
SECTOR - 18, BLOCK -E ROHINI
DELHI 110085

Name	: Z618	Collected	: 1/9/2017 12:00:00AM
Lab No.	: 135091536	Age: 33 Years	Gender: Male
A/c Status	: P	Ref By : Dr. UNKNWON	Report Status : Final
		Received	: 1/9/2017 10:51:00AM
		Reported	: 1/9/2017 2:52:58PM

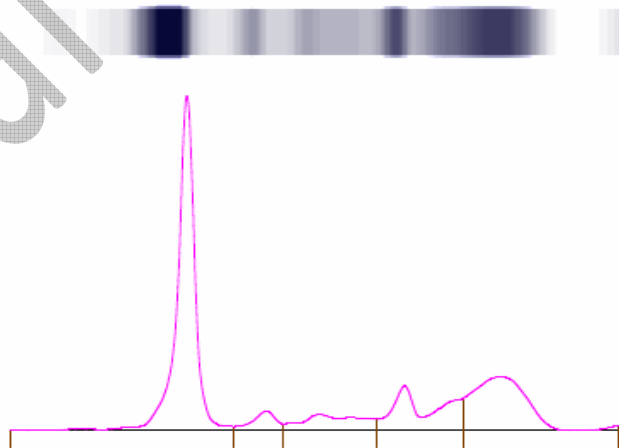
Test Name	Results	Units	Bio. Ref. Interval
BILIRUBIN TOTAL, DIRECT AND INDIRECT, SERUM (DPD, Calculated)			
Bilirubin Total	0.56	mg/dL	0.30 - 1.20
Bilirubin Direct	0.32	mg/dL	<0.20
Bilirubin Indirect	0.24	mg/dL	<1.10



Name	: Z618	Collected	: 1/9/2017 12:00:00AM
Lab No.	: 135091536	Received	: 1/9/2017 10:51:00AM
Age	: 33 Years	Reported	: 1/9/2017 2:52:58PM
Gender	: Male	Report Status	: Final
A/c Status	: P	Ref By	: Dr. UNKNWON

Test Name	Results	Units	Bio. Ref. Interval
PROTEIN ELECTROPHORESIS, SERUM (Capillary Electrophoresis)			
Protein, Total	8.20	g/dL	6.40 - 8.30
Albumin	4.08	g/dL	3.50 - 5.78
Alpha 1 globulin	0.30	g/dL	0.17 - 0.42
Alpha 2 globulin	0.63	g/dL	0.31 - 0.87
Beta globulin	1.24	g/dL	0.49 - 1.35
Gamma globulin	1.95	g/dL	0.62 - 1.57
A : G Ratio	0.99		0.90 - 2.00
M Spike	Not Seen	g/dL	

Sample num :- 25
ID :- 242469110



Interpretation

No "M" spike seen.
Polyclonal increase in gamma globulin. Consistent with Chronic infection / Inflammation.
Advised: Immunoglobulins IgG, IgA & IgM estimation

Comment

Serum Protein electrophoresis (SPE) is used to identify patients with Monoclonal gammopathies like Multiple Myeloma (MM), Waldenstrom'smacroglobulinemia, AL Amyloidosis as well as premalignant conditions like Monoclonal gammopathy of unkown significance (MGUS) and Smoldering Myeloma and other serum protein abnormalities like Nephrotic syndrome, Alpha 1 antitrypsin disorder and inflammatory processes associated



