



NAME	: Mr. ANKIT AGGARWAL			
AGE/ GENDER	: 35 YRS/MALE		PATIENT ID	: 1820402
COLLECTED BY	:		REG. NO./LAB NO.	: 012504070013
REFERRED BY	:		REGISTRATION DATE	: 07/Apr/2025 07:51 AM
BARCODE NO.	: 01528490		COLLECTION DATE	: 07/Apr/2025 08:21AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 07/Apr/2025 09:14AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD	, AMBALA CANT'	Г	
Test Name		Value	Unit	Biological Reference interval
		HAEM	ATOLOGY	
	ERYTHR	OCYTE SED	IMENTATION RATE	(ESR)
	EDIMENTATION RATE (ESR) 20	mm/1st h	ur 0 - 20

immune disease, but does not tell the health practitioner exactly where the inflammation is in the body or what is causing it. 2. An ESR can be affected by other conditions besides inflammation. For this reason, the ESR is typically used in conjunction with other test such as C-reactive protein

3. This test may also be used to monitor disease activity and response to therapy in both of the above diseases as well as some others, such as systemic lupus erythematosus

CONDITION WITH LOW ESR

A low ESR can be seen with conditions that inhibit the normal sedimentation of red blood cells, such as a high red blood cell count (polycythaemia), significantly high white blood cell count (leucocytosis), and some protein abnormalities. Some changes in red cell shape (such as sickle cells in sickle cell anaemia) also lower the ESR.

NOTE: 1. ESR and C - reactive protein (C-RP) are both markers of inflammation.

CRP is not affected by as many other factors as is ESR, making it a better marker of inflammation.

4. If the ESR is elevated, it is typically a result of two types of proteins, globulins or fibrinogen.5. Women tend to have a higher ESR, and menstruation and pregnancy can cause temporary elevations.

6. Drugs such as dextran, methyldopa, oral contraceptives, penicillamine procainamide, theophylline, and vitamin A can increase ESR, while aspirin, cortisone, and quinine may decrease it





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TEST PERFORMED AT KOS DIAGNOSTIC LAB. AMBALA CANTT





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BARCODE NO.	: 01528490		COLLECTION DATE	: 07/Apr/2025 09:37AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 07/Apr/2025 10:35AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANT	Г	
Test Name		Value	Unit	Biological Reference interval
		NOPATH	OLOGY/SEROLOG	GY
	IMMU			
		-REACTIV	E PROTEIN (CRP)	

4. As compared to ESR, CRP shows an earlier rise in inflammatory disorders which begins in 4-6 hrs, the intensity of the rise being higher than ESR and the recovery being earlier than ESR. Unlike ESR, CRP levels are not influenced by hematologic conditions like Anemia, Polycythemia etc., 5. Elevated values are consistent with an acute inflammatory process. **NOTE:**

1. Elevated C-reactive protein (CRP) values are nonspecific and should not be interpreted without a complete clinical history.

2. Oral contraceptives may increase CRP levels.





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Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist		Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist								
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		BALA CANTI								
	,,									
		Value	Unit	Biological Reference interval						
RHEUMATOID FACTOR (RA): QUANTITATIVE - SERUM										
				NEGATIVE: < 18.0						
		2.11	10,1112	BORDERLINE: 18.0 - 25.0						
				POSITIVE: > 25.0						
 Interretation:- RHEUMATION FACTOR (RA): Reumatoid factors (RF) are antibodies that are directed against the Fc fragment of IgG altered in its tertiary structure. Over 75% of patients with rheumatoid arthritis (RA) have an IgM antibody to IgG immunoglobulin. This autoantibody (RF) is diagnostically useful although it may not be etiologically related to RA. Inflammatory Markers such as ESR & C-Reactive protein (CRP) are normal in about 60 % of patients with positive RA. The test for fF correlates poorly with disease activity, but those patients with high titers tend to have more severe disease course. The test is useful for diagnosis and prognosis of rheumatoid arthritis. RHEUMATOD ARTHIFITS: Ante disease spredas from small to large joints, with greatest damage in early phase. The diagnosis of RA is primarily based on clinical, radiological & immunological features. The most frequent serological test is the measurement of RA factor. An diagnosis of RA is primarily based on clinical, radiological & immunological features. The most frequent serological test is the measurement of RA factor. An enter DOSTIVE): An altocity for for for heumatoid arthritis, as it is often present in healthy individuals with other autoimmune diseases and chronic infections. An rheumatoid and rheumatoid arthritis, as it is often present in healthy individuals with other sets for RF. These diseases include systemic up antients have a nonreactive title and 8% of nonrheumatoid patients have a point with regard to the presence of rheumatoid factor (RF) (15% of RA patients have a nonreactive title and 8% of nonrheumatoid patients have a point with regard to the presence of rheumatoid factor (RF) (15% of RA patients have a nonreactive title and 8% of nonrheumatoid patients have a pointouccess, and influenza. An rheumatoid and rheumatoid arthritis, with thepatients have a pointouccess, a										
	MD Cha : Mr. ANKIT AGG. : 35 YRS/MALE : : 01528490 : KOS DIAGNOSTI : 6349/1, NICHOI : 6349/1, NICHOI FACTOR QUAN (RA): (RF) are antibodies to with rheumatoid or diagnosis and pro- clates poorly with d or diagnosis and pro- tis is a systemic au ovium) joints which is form small to larg to rdiagnosis and pro- tis is a systemic au ovium) joints which is for small to larg is primarily based ctor. IVE):- ific for Rheumatoid arthrit preactive titer and 8 s nonrheumatoid dis polymyositis, tubercc discovered in joints factor. ts with Seronegative	MD (Pathology & Mi Chairman & Consult : Mr. ANKIT AGGARWAL : 35 YRS/MALE : : : 01528490 : KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD, AM RHEUMATOID H : 6349/1, NICHOLSON ROAD, AM FACTOR QUANTITATIVE: (RF) are antibodies that are directer to the etiologically related to RA. on the etiologically related to RA. ers such as ESR & C-Reactive proteiler elates poorly with disease activity, b or diagnosis and prognosis of rheur TIS: tis is a systemic autoimmune disease ovium) joints which ledas to progre s from small to large joints, with gre is primarily based on clinical, radii ctor. IVE):- ific for Rheumatoid arthiritis, as it is theumatoid arthritis (RA) populatic preactive titer and 8% of nonrheuma s nonrheumatoid diseases, character polymyositis, tuberculosis, syphilis, vi discovered in joints of patients with factor. Is with Seronegative Rheumatoid ar two value of Anti-CCP antibodies for R	MD (Pathology & Microbiology) Chairman & Consultant Pathologis : Mr. ANKIT AGGARWAL : 35 YRS/MALE : : : 01528490 : KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD, AMBALA CANTT Value RHEUMATOID FACTOR (A FACTOR QUANTITATIVE : 2.14 (RF) are antibodies that are directed against the ts with rheumatoid arthritis (RA) have an IgM ar r not be etiologically related to RA. ers such as ESR & C-Reactive protein (CRP) are n elates poorly with disease activity, but those pati r diagnosis and prognosis of rheumatoid arthritits IIS : its is a systemic autoimmune disease that is mu ovium) joints which ledas to progressive joint d s from small to large joints, with greatest damage tor. IVE): - ific for Rheumatoid arthritis, as it is often present theumatoid arthritis (RA) populations are not clear to the analytic of patients with RA, but not in factor. Is with Seronegative Rheumatoid arthritis also sh ve value of Anti-CCP antibodies for Rheumatoid Arthritis also sh ve value of Anti-CCP antibodies for Rheumatoid Arthritis also sh ve value of Anti-CCP antibodies for Rheumatoid Arthritis also sh ve value of Anti-CCP antibodies for Rheumatoid Arthritis also sh	MD (Pathology & Microbiology) Chairman & Consultant Pathologist MD CEO & Consultant Image: Microbiology Image: Microbiologist CEO & Consultant Image: Microbiologist Image: Microbiologist CEO & Consultant Image: Microbiologist PATIENT ID Image: Microbiologist Image: Microbiologist Image: Strate Microbiologist REG. NO./LAB NO. Image: Microbiologist REGISTRATION DATE Image: Old Strate Microbiologist REGISTRATION DATE Image: Microbiologist Image: Microbiologist Image: Old Strate Microbiologist Collection Date REGISTRATION DATE Image: Microbiologist Image: Old Strate Microbiologist Collection Date REG: Microbiologist Image: Microbiologist Image: Old Strate Microbiologist Collection Date REG: Microbiologist Image: Microbiologist Image: Old Strate Microbiologist Collection Date REG: Microbiologist Image: Microbiologist Image: Old Strate Microbiologist Collection Date REG: Microbiologist Image: Old Strate Image: Old Strate Microbiologist Collection Date REG: Microbiologist Image: Old Strate Image: Old Strate Microbiologist Collection Microbiologist Image: Old Strate Image:						





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