PKR JAIN HEALTHCARE INSTITUTE NASIRPUR, Hissar Road, AMBALA CITY- (Haryana)

A PIONEER DIAGNOSTIC CENTRE

🔽 0171-2532620, 8222896961 🛛 🖾 pkrjainhealthcare@gmail.com

NAME	: Mrs. POONAM			
AGE/ GENDER	: 51 YRS/FEMALE		PATIENT ID	: 1775700
COLLECTED BY	:		REG. NO./LAB NO.	: 122503020004
REFERRED BY	:		REGISTRATION DATE	: 02/Mar/2025 10:42 AM
BARCODE NO.	: 12507299		COLLECTION DATE	:02/Mar/2025 11:22AM
CLIENT CODE.	: P.K.R JAIN HEALTHCARE INSTI	TUTE	REPORTING DATE	: 02/Mar/2025 12:27PM
CLIENT ADDRESS	: NASIRPUR, HISSAR ROAD, AMB	BALA CITY - H	IARYANA	
Test Name		Value	Unit	Biological Reference interval
		HAEN	MATOLOGY	
	EDVTUDA	CYTE SED	IMENTATION RATE (ESR)
	EK I I HKU	CI I D DDD		

INTERPRETATION:

TEST PERFORMED AT KOS DIAGNOSTIC LAB. AMBALA CANTI

1. ESR is a non-specific test because an elevated result often indicates the presence of inflammation associated with infection, cancer and autoimmune 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:

ESR and C - reactive protein (C-RP) are both markers of inflammation.
 Generally, ESR does not change as rapidly as does CRP, either at the start of inflammation or as it resolves.

3. 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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CLIENT ADDRESS	: NASIRPUR, HISSAR ROAD, AM	BALA CITY - HARYAN	IA	
Test Name		Value	Unit	Biological Reference interval
	IMM	UNOPATHOLO	CV/SFROLOCY	v
		C-REACTIVE PRO		-
			TEIN (URF)	
C-REACTIVE PROT SERUM	EIN (CRP) QUANTITATIVE:	6.11 ^H	mg/L	0.0 - 6.0
by NEPHLOMETRY				
INTERPRETATION:				
1. C-reactive protein	(CRP) is one of the most sensitive	acute-phase reactant	s for inflammation.	n, inflammation, surgery, or neoplastic
proliferation.	ease diamatically (100-1010 01 mit		na, pacteriar infectio	n, initiationation, surgery, or neoplastic
3. CRP levels (Quanti			disease, to detect inf	fections after surgery, to detect transplant
	tative) has been used to assess ac hitor these inflammatory processe		disease, to detect inf	fections after surgery, to detect transpla

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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Test Name		Value	Unit	Biological Reference interval
	RHEUMATOII) FACTOR (1	RA): QUANTITATIVE	- SERUM
RHEUMATOID (RA SERUM by NEPHLOMETRY) FACTOR QUANTITATIVE:	5.68	IU/mL	NEGATIVE: < 18.0 BORDERLINE: 18.0 - 25.0 POSITIVE: > 25.0
1. Rheumatoid factor 2. Over 75% of patier useful although it ma 3. Inflammatory Mar	rs (RF) are antibodies that are direc nts with rheumatoid arthritis (RA) ay not be etiologically related to RA kers such as ESR & C-Reactive prot	have ăn IgM an A. ein (CRP) are no	ntibody to IgG immunoglobu ormal in about 60 % of patie	ulin. This autoantibody (RF) is diagnostically ents with positive RA.
 Rheumatoid factor Over 75% of patien Useful although it mails Inflammatory Mar The titer of RF corr The test is useful f RHEUMATOID ARTHING The disease spredation The disease spredation The diagnosis of R The diagnosis of R CAUTION (FALSE POS RA factor is not species Non rheumatoid arthout and RA patients with varion 	rs (RF) are antibodies that are direct nts with rheumatoid arthritis (RA) ay not be etiologically related to RA kers such as ESR & C-Reactive prot relates poorly with disease activity, for diagnosis and prognosis of rheu RTIS: ritis is a systemic autoimmune dise novium) joints which ledas to proc as from small to large joints, with of A is primarily based on clinical, ra- factor. STIVE):- ecific for Rheumatoid arthiritis, as it and rheumatoid arthritis (RA) populat onreactive titer and 8% of nonrheum us nonrheumatoid diseases, characte	have an IgM an A. ein (CRP) are no but those patie umatoid arthrit ease that is mu greassive joint do greatest damag diological & imp is often present tions are not clea hatoid patients h erized by chroni	ntibody to IgG immunoglobu ormal in about 60 % of patie ents with high titers tend to is. Iti-functional in origin and i estruction and in most case is in early phase. munological features. The n in healthy individuals with o arly separate with regard to have a positive titer). c inflammation may have positive titer.	ulin. This autoantibody (RF) is diagnostically ents with positive RA. have more severe disease course. s characterized by chronic inflammation of the s to disability and reduction of quality life. host frequent serological test is the ther autoimmune diseases and chronic infection the presence of rheumatoid factor (RF) (15% of sitive tests for RF. These diseases include system
 Over 75% of patient useful although it may all Inflammatory Mar Inflammatory Mar The titer of RF corr The test is useful ferentiation of RF Corr The test is useful ferentiation of RF Corr RheumAtold Arthing Rheumatoid Arthing Rheumatoid Arthing The disease spread The disease spread The diagnosis of R ferentiation CAUTION (FALSE POS RA factor is not specific to the specific (98%) than RA for the specific (98%) the specific (98%) than RA for the specific (98%) the speci	rs (RF) are antibodies that are direct nts with rheumatoid arthritis (RA) ay not be etiologically related to RA kers such as ESR & C-Reactive prot relates poorly with disease activity, for diagnosis and prognosis of rheu RTIS: ritis is a systemic autoimmune dise novium) joints which ledas to prod as from small to large joints, with of A is primarily based on clinical, ra factor. STIVE: ecific for Rheumatoid arthiritis, as it no rheumatoid arthritis (RA) populat porreactive titer and 8% of nonrheum us nonrheumatoid diseases, characte, polymyositis, tuberculosis, syphilis, n discovered in joints of patients with	have an IgM an A. ein (CRP) are no , but those patie umatoid arthrit ease that is mu greatest damag diological & im is often present tions are not clea hatoid patients h erized by chronic viral hepatitis, i h RA, but not in arthiritis also sho	ntibody to IgG immunoglobu ormal in about 60 % of patie ents with high titers tend to is. Iti-functional in origin and i estruction and in most case is in early phase. munological features. The n in healthy individuals with o arly separate with regard to have a positive titer). c inflammation may have po- infectious mononucleosis, an other form of joint disease. A ow Anti-CCP antibodies.	ulin. This autoantibody (RF) is diagnostically ents with positive RA. have more severe disease course. s characterized by chronic inflammation of the s to disability and reduction of quality life. nost frequent serological test is the ther autoimmune diseases and chronic infection the presence of rheumatoid factor (RF) (15% of sitive tests for RF. These diseases include system of influenza. inti-CCP2 is HIGHLY SENSITIVE (71%) & more





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