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

A PIONEER DIAGNOSTIC CENTRE

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

	HAEM	MATOLOGY	
Test Name	Value	Unit	Biological Reference interva
CLIENT ADDRESS	: NASIRPUR, HISSAR ROAD, AMBALA CITY - H	IARYANA	
CLIENT CODE.	: P.K.R JAIN HEALTHCARE INSTITUTE	<b>REPORTING DATE</b>	: 12/Jan/2025 05:24PM
BARCODE NO.	: 12506499	COLLECTION DATE	: 12/Jan/2025 05:01PM
REFERRED BY	:	<b>REGISTRATION DATE</b>	: 12/Jan/2025 03:04 PM
COLLECTED BY	:	<b>REG. NO./LAB NO.</b>	: 122501120006
AGE/ GENDER	: 50 YRS/FEMALE	PATIENT ID	: 1722414
NAME	: Mrs. RITU JOSHI		

ERYTHROCYTE SEDIMENTATION RATE (ESR)	36 <sup>H</sup>	mm/1st hr	0 - 20
by RED CELL AGGREGATION BY CAPILLARY PHOTOMETRY			

## **INTERPRETATION:**

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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440 Dated 17.5.2012 u/s 80 G OF INCOME TAX ACT. PAN NO. AAAAP1600. **REPORT ATTRACTS THE CONDITIONS PRINTED OVERLEAF (P.T.O.)** 



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CLIENT CODE.	: P.K.R JAIN HEALTHCARE INST	TITUTE <b>REPOR</b>	TING DATE	: 12/Jan/2025 05:46PM
CLIENT ADDRESS	: NASIRPUR, HISSAR ROAD, AM	IBALA CITY - HARYANA		
Test Name		Value	Unit	Biological Reference interval
	IMM	UNOPATHOLOGY	Y/SEROLOGY	[
	RHEUMATOI	D FACTOR (RA): QI	JANTITATIVE	- SERUM
RHEUMATOID (RA) SERUM by NEPHLOMETRY	) FACTOR QUANTITATIVE:	6.21	IU/mL	NEGATIVE: < 18.0 BORDERLINE: 18.0 - 25.0 POSITIVE: > 25.0
useful although it ma 3. Inflammatory Mar	ly not be etiologically related to R kers such as ESR & C-Reactive prot	have an IgM antibody to A. tein (CRP) are normal in a	lgG immunoglobu	in its tertiary structure. lin. This autoantibody (RF) is diagnostically ents with positive RA. have more severe disease course.
useful although it ma 3. Inflammatory Marl 4. The titer of RF corr 5. The test is useful f <b>RHEUMATOID ARTHIR</b> 1. Rheumatoid Arthin membrane lining (sy 2. The disease spredd 3. The diagnosis of R measurement of RA fa <b>CAUTION (FALSE POS</b> 1. RA factor is not spe 2. Non rheumatoid ar RA patients have a noc 3. Patients with variod lupus erythematosus, 4. Anti-CCP have beer specific (98%) than RA 5. Upto 30 % of patiel	ny not be etiologically related to Rikers such as ESR & C-Reactive pro- relates poorly with disease activity for diagnosis and prognosis of rhe <b>ITIS:</b> "itis is a systemic autoimmune dis novium) joints which ledas to pro- as from small to large joints, with A is primarily based on clinical, ra actor. <b>TIVE:</b> "cific for Rheumatoid arthiritis, as it ad rheumatoid arthritis (RA) popula interactive titer and 8% of nonrheum us nonrheumatoid diseases, charact polymyositis, tuberculosis, syphilis, a discovered in joints of patients with A factor. "tis with Seronegative Rheumatoid is tive value of Anti-CCP antibodies for	have an IgM antibody to A. tein (CRP) are normal in a v, but those patients with umatoid arthritis. tease that is multi-functi- greasest damage in early idiological & immunolog is often present in health tions are not clearly sepain natoid patients have a po erized by chronic inflamm , viral hepatitis, infectious th RA, but not in other for- arthiritis also show Anti-O	b IgG immunoglobu about 60 % of patie high titers tend to onal in origin and is n and in most case (phase. (phase. (phase. (phase.) (phase	lin. 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 d influenza. nti-CCP2 is HIGHLY SENSITIVE (71%) & more



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT



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**NOT VALID FOR MEDICO LEGAL PURPOSE** 

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