

KOS Diagnostic Lab (A Unit of KOS Healthcare)



Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist

Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist

0 - 20

NAME : Mrs. REKHA KAUSHIK

AGE/ GENDER : 58 YRS/FEMALE **PATIENT ID** : 1806681

COLLECTED BY REG. NO./LAB NO. :012503260006

REFERRED BY **REGISTRATION DATE** : 26/Mar/2025 07:51 AM BARCODE NO. :01527766 **COLLECTION DATE** : 26/Mar/2025 07:56AM CLIENT CODE. : KOS DIAGNOSTIC LAB REPORTING DATE : 26/Mar/2025 10:56AM

CLIENT ADDRESS : 6349/1, NICHOLSON ROAD, AMBALA CANTT

Value Unit Test Name **Biological Reference interval**

HAEMATOLOGY

ERYTHROCYTE SEDIMENTATION RATE (ESR)

22^H ERYTHROCYTE SEDIMENTATION RATE (ESR) mm/1st hr

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 auto-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

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.
- Esk and C=reactive protein (C=Rr) are bott markers of inflammation.
 Generally, ESR does not change as rapidly as does CRP, either at the start of inflammation or as it resolves.
 CRP is not affected by as many other factors as is ESR, making it a better marker of inflammation.
 If the ESR is elevated, it is typically a result of two types of proteins, globulins or fibringen.
 Women tred 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



CONSULTANT PATHOLOGIST MBBS, MD (PATHOLOGY & MICROBIOLOGY)

DR.YUGAM CHOPRA CONSULTANT PATHOLOGIST MBBS, MD (PATHOLOGY)





KOS Diagnostic Lab

(A Unit of KOS Healthcare)



Dr. Vinay Chopra
MD (Pathology & Microbiology)
Chairman & Consultant Pathologist

Dr. Yugam Chopra
MD (Pathology)
CEO & Consultant Pathologist

NAME : Mrs. REKHA KAUSHIK

AGE/ GENDER : 58 YRS/FEMALE **PATIENT ID** : 1806681

COLLECTED BY : REG. NO./LAB NO. : 012503260006

 REFERRED BY
 : 26/Mar/2025 07:51 AM

 BARCODE NO.
 : 01527766
 COLLECTION DATE
 : 26/Mar/2025 07:56AM

 CLIENT CODE.
 : KOS DIAGNOSTIC LAB
 REPORTING DATE
 : 26/Mar/2025 10:01AM

CLIENT ADDRESS : 6349/1, NICHOLSON ROAD, AMBALA CANTT

Test Name Value Unit Biological Reference interval

IMMUNOPATHOLOGY/SEROLOGY WIDAL SLIDE AGGLUTINATION TEST

SALMONELLA TYPHI O by SLIDE AGGLUTINATION	1:20	TITRE	1:80
SALMONELLA TYPHI H by SLIDE AGGLUTINATION	1:20	TITRE	1:160
SALMONELLA PARATYPHI AH by SLIDE AGGLUTINATION	1:40	TITRE	1:160
SALMONELLA PARATYPHI BH	NIL	TITRE	1:160

INTERPRETATION:

- 1.Titres of 1:80 or more for "O" agglutinin is considered significant.
- 2. Titres of 1:160 or more for "H" agglutinin is considered significant.

LIMITATIONS:

- 1. Agglutinins usually appear by 5th to 6th day of illness of enteric fever, hence a negative result in early stage is inconclusive. The titre then rises till 3rd or 4th week, after which it declines gradually.
- 2.Lower titres may be found in normal individuals.
- 3.A single positive result has less significance than the rising agglutination titre, since demonstration of rising titre four or more in 1st and 3rd week is considered as a definite evidence of infection.
- 4.A simultaneous rise in H agglutinins is suggestive of paratyphoid infection.

NOTE:

- 1. Individuals with prior infection or immunization with TAB vaccine may develop an ANAMNESTIC RESPONSE (False-Positive) during an unrelated fever i.e High titres of antibodies to various antigens. This may be differentiated by repitition of the test after a week.
- 2. The anamnestic response shows only a transient rise, while in enteric fever rise is sustained.
- 3.H agglutinins tend to persist for many months after vaccination but O agglutinins tend to disappear sooner i.e within 6 months. Therefore rise in Oagglutinins indicate recent infection.

*** End Of Report ***



DR.VINAY CHOPRA
CONSULTANT PATHOLOGIST
MBBS, MD (PATHOLOGY & MICROBIOLOGY)

DR.YUGAM CHOPRA CONSULTANT PATHOLOGIST MBBS , MD (PATHOLOGY)

