

## **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. POONAM

AGE/ GENDER : 36 YRS/FEMALE PATIENT ID : 1803409

COLLECTED BY : REG. NO./LAB NO. : 012503230059

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 : 23/Mar/2025 07:48 PM

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 : KOS DIAGNOSTIC LAB
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**CLIENT ADDRESS**: 6349/1, NICHOLSON ROAD, AMBALA CANTT

Test Name Value Unit Biological Reference interval

## CLINICAL CHEMISTRY/BIOCHEMISTRY CREATININE

CREATININE: SERUM 1.3<sup>H</sup> mg/dL 0.40 - 1.20 by ENZYMATIC, SPECTROPHOTOMETRY



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# IMMUNOPATHOLOGY/SEROLOGY WIDAL SLIDE AGGLUTINATION TEST

SALMONELLA TYPHI O by SLIDE AGGLUTINATION	1:320	TITRE	1:80
SALMONELLA TYPHI H by SLIDE AGGLUTINATION	1:160	TITRE	1:160
SALMONELLA PARATYPHI AH by SLIDE AGGLUTINATION	1:320	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 \*\*\*



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