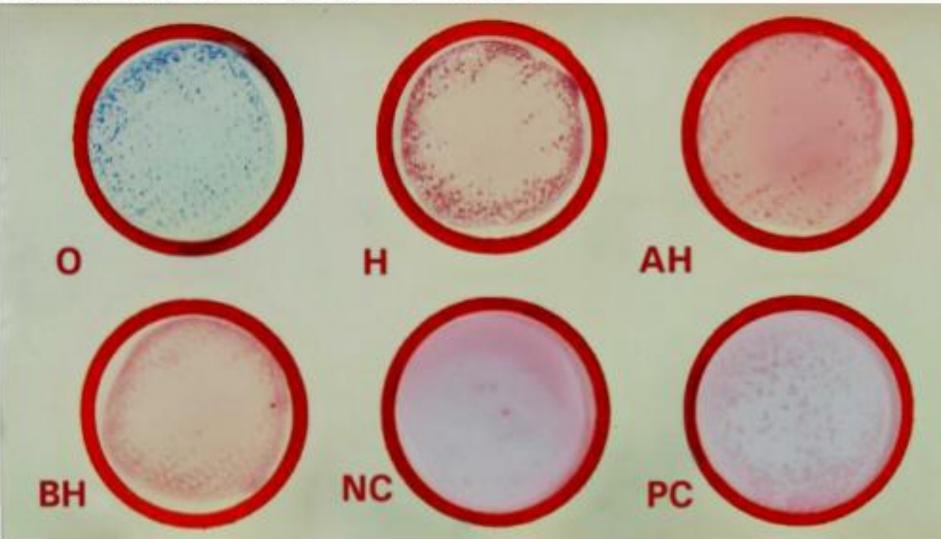
## Charvi Jain (RAZ11104-1010113)

Expt. N	No2 Page No1	
	Expt2 - Widal Jest.	
	Intro duction	
	The WIDAL (widely Investigated Diagnostic	
	Assay Laboratory) test is a surological technique which tuts for the presence of salmonella aptibodies in the patients serum.	
	wenich tuto for the presence of salmonella	
	antibodies in the patients serum.	
,	et is used to diagnose typhoid and para- typhoid in endenic areas.  Salmonella is identified in food poisoning conditions, when the investigation is carried out of typhoid	
	typhoid in endenic areas.	
,	Salmonella is identified in food poisoning	
	conditions, when the investigation is thereta	
	of typhoid	
,	The patients surum is tested for following	
	antigents?	
	· Salmonella typhi 'O' antigen (somatic cells)  · Salmonella typhi 'H' antigen (Flagellar cells)	
	· Salmonella typhi 'AH' antigen	
	· Valmonella paratyphi 'BH' antigen	
	0	
	Requirements	
	(1) Fresh serum, stored at 2-8 serum	
	should not be heated or individual.	
(11)	The compute kit containing five vials containing	
	stained salmonella antigen	
	-	
Teacher's Signature :		

Date .....

	Date
Expt. No	Page No2
	, , ,
C Juhr? - A	
S. sypra O artigen	A L L L L
· S. Typh -> Il antigen	
· S. Paratyphi - AH antigen	
. S. Jyphi → O arligen . S. Jyphi → H arligen . S. Paratyphi → AH arligen . S. Paratyphi → BH arligen	The state of the s
V	
(III) Widal positive control	
(IV) weidal test	
(v) Application Stick	
le incible	
Antibodies in serum, pro	duced in sesponse
to expense to deliverella grann	isms will
to exposure to salmonella organ	which carries
agglutinate bacterial suspension su	CYCVCY
homologous antigens.	And the control of th
Fresh surum, store at 2	- 8° in care of
Fresh sirum, store at 2	11 bi Cliar
any delay in testing. Serum show	a in a starated
and should not be heated	of macavace
2 124 2124 ( 222)	Test
Procedure: Rapid Stide (Screening)	1000.
, , , , , , , , , , , , , , , , , , , ,	in it has
1. Clean the glass slide and u	up it free of
water.	
2. Place one drop of undiluted	strum in
each of the 1st four circles (1-	4) is one and
Teacher's Signature	

## ANTIGENS



Date		
Expt. No		
	, ,	
of positive control serum and negative con	trol	
serum in each of the last two circles	5 46).	
3. Place one drop of artigens O, H, AH, BH in	circle	
3. Place one drop of antigens O, H, AH, BH in 1,2,3 and 4 suspectively and O or H antig	gen	
m 5 and 6		
4. Mix the contents of each circle with se	parate	
wooden applicator stick and spread to fell	the	
whole area of the individual circle		
5. Rolate the slide for one minute and obser	rve	
for agglutination reaction.		
Result		
Positive result: Presence of agglutination xx	n.	
menich is observed blw the antihodic	3 000	
fatient's serum and the antigens of sals	ou neces	
organism - O, H, AH, B-H antigen suspension.		
Negative result: - Absence of agglutination	rention	
Negative result: - Absinu of agglutination inclicating the absence of antibodies in paserum, thereby indicating the absence of	tients	
serum, thereny indicating the absence of	Calmonde	
infection in the patient.		
Teacher's Signature :		