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Shigella Antisera

Shigellla antisera are produced for serological identification of *Shigella*, based on agglutination method. These polyclonal antibodies are prepared by immunizing rabbit with the standard strains. For high specificity; the non-specific agglutinins have been removed by absorption.

Preservative: 0.1% Sodium azide
Storage condition: 2-8°C

Shigella Polyvalent Antisera are shown as following.

Cat. No.	Description	Type present
AS338	Shigella Poly. A	*S. dysenteriae* 1 - 7
AS339	Shigella Poly. A-1	*S. dysenteriae* 8 - 12
AS334	Shigella Poly. B	*S. flexneri* 1 - 6 and group (3),4 & (7),8
AS340	Shigella Poly. C	*S. boydii* 1 - 7
AS341	Shigella Poly. C-1	*S. boydii* 8 - 11
AS342	Shigella Poly. C-2	*S. boydii* 12 - 15
AS336	Shigella Poly. C-3	*S. boydii* 16 - 18
AS337	Shigella Poly. D	*S. sonnei* phase I&II

Shigellla specific type Antisera are shown as following.

Cat. No.	Description
AS361	Shigella dysenteriae type 1
AS362	Shigella dysenteriae type 2
AS363	Shigella dysenteriae type 3
AS364	Shigella dysenteriae type 4
AS365	Shigella dysenteriae type 5
AS366	Shigella dysenteriae type 6
AS367	Shigella dysenteriae type 7
AS368	Shigella dysenteriae type 8
AS369	Shigella dysenteriae type 9
AS370	Shigella dysenteriae type 10
AS371	Shigella dysenteriae type 11
AS372	Shigella dysenteriae type 12

Cat. No.	Description
AS391	Shigella flexneri type I
AS392	Shigella flexneri type II
AS393	Shigella flexneri type III
AS394	Shigella flexneri type IV
AS395	Shigella flexneri type V
AS396	Shigella flexneri type VI
AS397	Shigella flexneri Var. X
AS398	Shigella flexneri Var. Y
AS399	Shigella flexneri Var. Z

Cat. No.	Description
AS411	Shigella boydii type 1
AS412	Shigella boydii type 2
AS413	Shigella boydii type 3
AS414	Shigella boydii type 4
AS415	Shigella boydii type 5
AS416	Shigella boydii type 6
AS417	Shigella boydii type 7
AS418	Shigella boydii type 8
AS419	Shigella boydii type 9
AS420	Shigella boydii type 10
AS421	Shigella boydii type 11
AS422	Shigella boydii type 12
AS423	Shigella boydii type 13
AS424	Shigella boydii type 14
AS425	Shigella boydii type 15
AS426	Shigella boydii type 16
AS427	Shigella boydii type 17
AS428	Shigella boydii type 18

Cat. No.	Description
AS441	Shigella sonnei Phase I
AS442	Shigella sonnei Phase II

Direction for use:

Cultures of organisms identified as *Shigella* by their bacteriological and biochemical features are serotyped according to the following procedures.

1. Before testing with antisera, test the culture with normal saline, the culture should show no agglutination. If agglutination occurs, the culture is rough and cannot be tested. Take the subculture to non-inhibitory medium, incubate and test the culture with normal saline again.
2. Put a drop of serum onto the test area of the clean glass slide.
3. By using platinum wire, transfer a portion of a loopful of growth from solid medium onto the drop of serum and mix the culture and serum well. Tilt the glass slide back and forth for one minute.
4. If agglutination is found by use of one of the *Shigella* polyvalent, the preliminary report is that the culture is that group of *Shigella*. For further test for serotype of culture , test the culture with *Shigella* type specific antisera.
5. In case culture shown negative with every type of antisera, should mix 2 loops of the culture with 1ml of normal saline then boil at 100°C for 15 minutes and return to test with antisera in step 3.

Reference:

1. Edward, P.R. and Ewing , W.H.O Identification of Enterobacteriaceae, Fourth Edition, Burgess, Company, Minnesota 1986
2. Manual for the laboratory Identification and Antimicrobial Susceptibility Testing of Bacterial Pathogens of Public Health Importance in the Developing World , 2003 , Center for Disease Control and Prevention : National Center for Infectious Diseases and WHO : Department of Communicable Disease Surveillance and Response.

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