

O and Vi antisera

Poly and Vi antisera for serological confirmation by slide agglutination.

Dette element kræver at du har installeret en Flash Player.

General

Salmonella O antigens are somatic thermostable lipopolysaccharides (LPS) found in the outermost layer of the bilayer outer cell membrane. All O antigens described in the Kauffmann-White scheme can be identified using SSI Diagnostica's O antisera. All O antisera are polyclonal and are produced by immunising rabbits with boiled *Salmonella* culture. The culture is boiled to remove H antigens, which are thermolabile flagellar proteins. Sera are tested for specificity and then absorbed for known O cross-reactions. SSI Diagnostica produces Poly A-E+Vi, Poly A-I+Vi, Poly A-S+Vi and Poly 42-67 for serological confirmation and O group pool, O group and O factor antisera. These antisera are all intended for slide agglutination. The Vi antibody is monoclonal and directed at the capsular antigen Vi. This antibody is concentrated from culture supernatant and is also intended for slide agglutination.

Product description

All *Salmonella* antisera in the catalogue are ready-to-use products. O group pool antisera and Vi antiserum are sold both in 1 ml bottles (50 reactions) and 3 ml bottles (150 reactions). The other O group and O factor antisera are sold only in 3 ml bottles.

Use

Salmonella O and Vi antisera are used for serotyping using the slide agglutination method. Cultures from multiple colonies are mixed with approx. 20 µl of antiserum. The slide is tipped carefully back and forth, and the result is read within 5-10 seconds.



Procedure: serotyping is often started by using O group pool antisera OMA to OMG. Then, the O group is determined by testing using the relevant O group antisera. O factor antisera are used to identify any O factors that can be expressed in combination with O group antigens. If it is suspected that an isolate is, for example, *S. Enteritidis*, the O group pool antisera can be omitted in the first instance, starting instead with O group antiserum O:9. If the isolate agglutinates with the serum, the procedure continues with O factor antisera O:12. If no agglutination is seen with O:9, the various O group pool antisera are used. After identification of the O antigens, the procedure continues with H phase pool antisera.

Product range

SSI Diagnostica offers 'ready-to-use' antisera to identify all O antigens described in the Kauffmann-White scheme. Poly A-E+Vi, Poly A-I+Vi, Poly A-S+Vi and Poly 42-67 are used for confirmation. The products contain Vi antibody to avoid false negative results due to the presence of the Vi antigen, which can block the O antigen/antibody reaction. Poly A-E+Vi and Poly A-I+Vi are used for human testing, whilst Poly A-S+Vi and Poly 42-67 are used chiefly for veterinary testing.

The following O and Vi antisera products are available:

O multi-group antisera

Article number	Product	React with:	Number of tests	Packing
		1,2,3,4,5,		

Article number	Product	React with:	Number of tests	Packing
40211	Poly A-E+Vi	6,7,8,9,10, 12,14,15,19,20, 27,34,46+Vi	150	3 mL vial
73517	Poly A-E+Vi	1,2,3,4,5, 6,7,8,9,10, 12,14,15,19,20, 27,34,46+Vi	50	1 mL vial
44807	Poly A-I+Vi	1,2,3,4,5, 6,7,8,9,10, 11,12,13,14,15, 16,19,20,22,23, 24,25,27,34,46 +Vi	150	3 mL vial
73518	Poly A-I+Vi	1,2,3,4,5, 6,7,8,9,10, 11,12,13,14,15, 16,19,20,22,23, 24,25,27,34,46 +Vi	50	1 mL vial
48954	Poly A-S+Vi	1,2,3,4,5, 6,7,8,9,10, 11,12,13,14,15, 16,17,18,19,20, 21,22,23,24,25, 27,28,30,34,35, 38,39,40,41,46 +Vi	150	3 mL vial
73519	Poly A-S+Vi	1,2,3,4,5, 6,7,8,9,10, 11,12,13,14,15, 16,17,18,19,20, 21,22,23,24,25, 27,28,30,34,35, 38,39,40,41,46 +Vi	50	1 mL vial
81061	Poly 42-67	42,43,44,45,47, 48,50,51,52,53, 54,55,56,57,58, 59,60,61,62,63, 65,66,67	50	1 mL vial
40290	Poly H	a b c d i z ₁₀ E G k L r z y Z ₄ 1 Z ₆ Z ₂ 9	150	3 mL vial
73520	Poly H	a b c d i z ₁₀ E G k L r z y Z ₄ 1 Z ₆ Z ₂ 9	50	1 mL vial
40212	OMA	A,B,D,E,L 1,2,3,4,5, 9,10,12,15,19, 21,46	150	3 mL vial
73522	OMA	A,B,D,E,L 1,2,3,4,5, 9,10,12,15,19, 21,46	50	1 mL vial
40213	OMB	C,F,G,H 6,7,8,11,13, 14,20,22,23,24, 25	150	3 mL vial
73523	OMB	C,F,G,H 6,7,8,11,13, 14,20,22,23,24, 25	50	1 mL vial
40214	OMC	I,J,K,M,N 16,17,18,28,30	150	3 mL vial
73524	OMC	I,J,K,M,N 16,17,18,28,30	50	1 mL vial
40215	OMD	O,P,Q,R,S, T,U,V,W 35,38,39,40,41, 42,43,44,45	150	3 mL vial
73525	OMD	O,P,Q,R,S, T,U,V,W 35,38,39,40,41, 42,43,44,45	50	1 mL vial

Article number	Product	React with:	Number of tests	Packing
40216	OME	X,Y,Z 47,48,50,51,52	150	3 mL vial
73526	OME	X,Y,Z 47,48,50,51,52	50	1 mL vial
40217	OMF	53,54,55,56,57, 58,59	150	3 mL vial
73527	OMF	53,54,55,56,57, 58,59	50	1 mL vial
40218	OMG	60,61,62,63,65, 66,67	150	3 mL vial
73528	OMG	60,61,62,63,65, 66,67	50	1 mL vial
40219	O ₃ Complex	3,10,15,19,34	150	3 mL vial
73529	O ₃ Complex	3,10,15,19,34	50	1 mL vial

O group antisera

Article number	Products	Inclusive in group:	Number of tests	Packing
40220	O:2	A	150	3 mL vial
23839	O:4	B	150	3 mL vial
40221	O:6,7,8	C ₁ ,C ₂ ,C ₃ ,H	150	3 mL vial
65335	O:7,8	C ₁ ,C ₂ ,C ₃	150	3 mL vial
40224	O:8	C ₂ ,C ₃	150	3 mL vial
40276	O:9	D ₁ ,D ₂ ,D ₃	150	3 mL vial
40226	O:3,10,15	E ₁ ,E ₄	150	3 mL vial
23843	O:1,3,19	E ₁ ,E ₄	150	3 mL vial
40227	O:11	F	150	3 mL vial
40228	O:13,22,23	G	150	3 mL vial
40229	O:6,14,24,25	C ₁ ,C ₂ ,H,K	150	3 mL vial
40230	O:16	I	150	3 mL vial
40231	O:17	J	150	3 mL vial
40232	O:18	K	150	3 mL vial
40233	O:21	L	150	3 mL vial
40234	O:28	M	150	3 mL vial
40235	O:30	N	150	3 mL vial
40236	O:35	O	150	3 mL vial
40237	O:38	P	150	3 mL vial
40238	O:39	Q	150	3 mL vial
40239	O:40	R	150	3 mL vial
40240	O:41	S	150	3 mL vial
40241	O:42	T	150	3 mL vial
40242	O:43	U	150	3 mL vial
40243	O:44	V	150	3 mL vial
40244	O:45	W	150	3 mL vial
40245	O:47	X	150	3 mL vial
40247	O:48	Y	150	3 mL vial

Article number	Products	Inclusive in group:	Number of tests	Packing
40248	O:50	Z	150	3 mL vial
40249	O:51	51	150	3 mL vial
40250	O:52	52	150	3 mL vial
40251	O:53	53	150	3 mL vial
40252	O:54	54	150	3 mL vial
40253	O:55	55	150	3 mL vial
40254	O:56	56	150	3 mL vial
40255	O:57	57	150	3 mL vial
40257	O:58	58	150	3 mL vial
40258	O:59	59	150	3 mL vial
40259	O:60	60	150	3 mL vial
40260	O:61	61	150	3 mL vial
40261	O:62	62	150	3 mL vial
40263	O:63	63	150	3 mL vial
40264	O:65	65	150	3 mL vial
40265	O:66	66	150	3 mL vial
40266	O:67	67	150	3 mL vial
40267	T1		150	3 mL vial
40268	T2		150	3 mL vial

O factor antisera

Article number	Product	Inclusive in group:	Number of tests	Packing
40269	O:1	A,B,D ₁ ,G,H,R,T,V,X,51,53,59	150	3 mL vial
40272	O:5	B	150	3 mL vial
40273	O:6 ₁	C ₁ (6 ₁ +),C ₂ ,H	150	3 mL vial
40274	O:7	C ₁	150	3 mL vial
40277	O:10	E ₁	150	3 mL vial
57543	O:12	A,B,D ₁ ,D ₃	150	3 mL vial
40278	O:14	C ₁ ,H,K	150	3 mL vial
40279	O:15	E ₁	150	3 mL vial
40280	O:19	E ₄	150	3 mL vial
40281	O:20	C ₃	150	3 mL vial
40282	O:22	G	150	3 mL vial
40283	O:23	G	150	3 mL vial
65334	O:24,25	H	150	3 mL vial
40285	O:25	H	150	3 mL vial
40286	O:27	B,D ₃	150	3 mL vial
40287	O:34	E ₁	150	3 mL vial
40288	O:46	D ₂ ,D ₃	150	3 mL vial

Monoclonal antiserum

--	--	--	--

Article number	Product	No. of tests	Packing
15514	Vi monoclonal antibody	150	3 mL vial
73521	Vi monoclonal antibody	50	1 mL vial

Frequently asked questions

Downloads

Brochures

[Salmonella antisera](#)

Packaging inserts

[Salmonella Antisera](#)

Material safety data sheets

[Salmonella antisera](#)

Webshop

Find the product in our webshop

SHOP.SSIDIAGNOSTICA.COM



Printed from www.ssidiagnostica.com on 03.01.2017, 12:06
© Statens Serum Institut 2017

This page can be found at:

Frontpage > Products > Antiser > Salmonella antiser > O and Vi antisera
SSI Diagnostica
2 Herredsvejen
3400 Hillerød
T +45 4829 9178
F +45 4829 9179
EAN 5790 002327452
E ssidiagnostica@ssidiagnostica.com

[Sitemap](#)