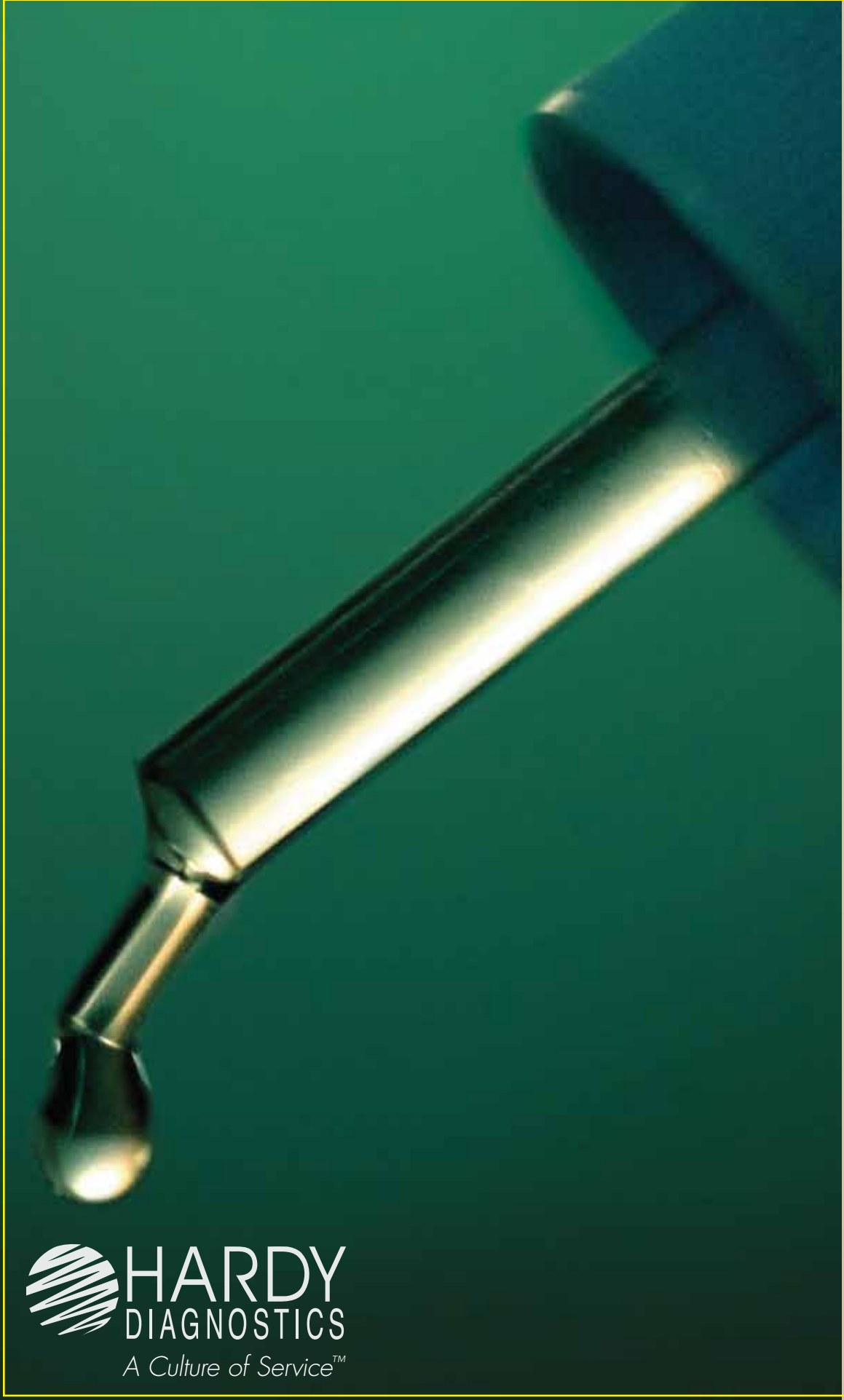


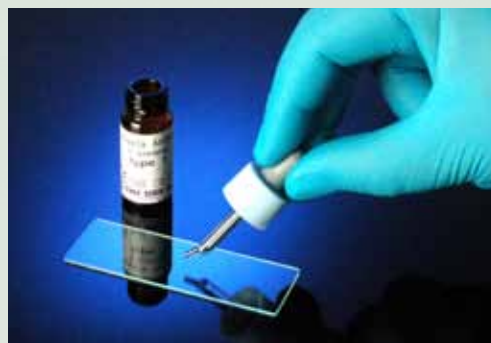
*ANTISERA*



# ANTISERA

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ISO 13485  
 FM 572526

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## *Bordetella pertussis* Antigen

### 10ml

Phase I (Tohama strain) antigen	220134
Phase II (Yamaguchi strain) antigen	220141
Diluent	221445

## *Clostridium perfringens* Type A Antisera

<b>Set</b> (4 poly and 17 monovalent, 2ml each)	200501
---	--------

<b>Polyvalent I</b>	214515
---------------------	--------

Type 1	214553
Type 2	214560
Type 3	214577
Type 4	214584
Type 5	214591

<b>Polyvalent II</b>	214522
----------------------	--------

Type 6	214607
Type 7	214614
Type 8	214621
Type 9	214638

<b>Polyvalent III</b>	214539
-----------------------	--------


Type 10	214645
Type 11	214652
Type 12	214669
Type 13	214676

<b>Polyvalent IV</b>	214546
----------------------	--------

Type 14	214683
Type 15	214690
Type 16	214706
Type 17	214713

*Bordetella pertussis* colonies  
growing on Regan-Lowe Agar, Cat. no. A65

*Clostridium perfringens* colonies  
growing on Brucella Blood Agar,  
Cat. no. A30



## Escherichia coli Antisera

<b>Set 1</b> (2ml x 8 polyvalent, 43 monovalent)	295347
<b>Polyvalent 1</b>	296016
O1	295583
O26	295903
O86a	296009
O111	295590
O119	295637
O127a	295675
O128	295682
<b>Polyvalent 2</b>	296023
O44	295941
O55	295958
O125	295651
O126	295668
O146	295736
O166	295835
<b>Polyvalent 3</b>	296030
O18	295873
O114	295613
O142	295705
O151	295767
O157	295798
O158	295804
<b>Polyvalent 4</b>	296047
O6	295965
O27	295910
O78	295989
O148	295743
O159	295811
O168	295859
<b>Polyvalent 5</b>	296054
O20	295880
O25	295897
O63	295972
O153	295781
O167	295842
<b>Polyvalent 6</b>	296061
O8	295996
O15	295750
O115	295620
O169	295866

<b>Polyvalent 7</b>	296078
O28ac	295927
O112ac	295606
O124	295644
O136	295699
O144	295729
<b>Polyvalent 8</b>	296085
O29	295934
O143	295712
O152	295774
O164	295828

<b>Set 2</b> (5ml x 22 H-Antisera)	295354
H-2	295422
H-4	295484
H-5	295538
H-6	295552
H-7	295569
H-9	295576
H-10	295361
H-11	295378
H-12	295385
H-16	295392
H-18	295408
H-19	295415
H-20	295439
H-21	295446
H-27	295453
H-28	295460
H-34	295477
H-40	295491
H-42	295514
H-45	295521
H-51	295545



*Escherichia coli* O157 colonies growing on HardyCHROM® O157, Cat. no. G305

## Escherichia coli Antisera

CE Marked

Supplementary E. coli Antisera	
<b>Polyvalent II</b>	292490
	026, 055, 011
	0119, 0126
<b>Polyvalent III</b>	292506
	086, 0114, 0125
	0127, 0168
<b>Polyvalent IV</b>	292513
	044, 0112
	0124, 0142
<b>Not CE Marked</b>	
Toxigenic E. coli	
<b>Pili Set</b>	200457
K88	213877
K99	213884
987P	213891

**Purpose:** Serotyping of *Escherichia coli*.

**Features:** Antisera for the typing of *E. coli* Group O and H antigens. These are available in two separate sets to accommodate the requirements of users. All items are also available in single polyvalent or monovalent vial form. Refer to our complete product list on the previous page.

**Note:** Perform Group O antigen serotyping by using the slide agglutination method. For H antigen typing, first grow several cultures using a semi-fluid culture medium. Use only a non-selective culture medium. Then identify by using the test tube agglutination method. Antiserum names consist of the letter O or H followed by a number(s).

### Contents of kits:

**Set 1:** For *E. coli* Group O antigen serotyping (51 vials).

**Set 2:** For *E. coli* H antigen serotyping (21 vials).

## Legionella pneumophila Antisera

CE Marked

Set (2ml x 10)	294623
Group 1	294746
Group 2	294753
Group 3	294760
Group 4	294777
Group 5	294784
Group 6	294791
<i>Legionella bozemanii</i>	294807
<i>Legionella dumoffii</i>	294685
<i>Legionella gormanii</i>	294678
<i>Legionella micdadei</i>	294814
Group 7 - Group 15	Research Use Only
Group 7	215727
Group 8	215734
Group 9	293572
Group 10	293589
Group 11	293626
Group 12	293633
Group 13	293640
Group 14	293657
Group 15	293664

## Listeria monocytogenes Antisera

Set (2ml x 8, 5ml x 4)	294616
Listeria O I/II	294548
Listeria O I	294531
Listeria O IV	294555
Listeria O V/VI	294562
Listeria O VI	294579
Listeria O VII	294586
Listeria O VIII	294593
Listeria O IX	294609
Listeria H-A	294494
Listeria H-AB	294500
Listeria H-C	294517
Listeria H-D	294524

## Pseudomonas aeruginosa Antisera

Set (2ml x 3 polyvalent, 14 monovalent)	200372
<b>Polyvalent I</b>	213556
Group A	213587
Group C	213600
Group H	213655
Group I	213662
Group L	213693
<b>Polyvalent II</b>	213563
Group B	213594
Group J	213679
Group K	213686
Group M	213709
<b>Polyvalent III</b>	213570
Group D	213617
Group E	213624
Group F	213631
Group G	213648
Group N	213716



*Pseudomonas aeruginosa* colonies growing on Tryptic Soy Agar (TSA), Cat. no. G60

## Listeria monocytogenes Serotyping Guide

Serotype	O-antigen	H-antigen
1/2a	I, II	AB
1/2b	I, II	ABC
1/2c	I, II	BD
3a	I, II	BD
3b	II, IV	AB
3c	II, IV	BD
4a	VII, IX	ABC
4ab	V, VI, VII, IX	ABC
4b	V, VI	ABC
4c	V, VII	ABC
4d	VI, VIII	ABC
4e	V, VI	ABC
7	XII, XIII	ABC

## Comparison of Pseudomonas aeruginosa Serotyping Schemes

DENKA	Homma	Liu
<b>A</b>	1	3
<b>B</b>	2	2
	7	5
	13	16 H
	16	16 L
<b>C</b>	3	7
		8
<b>D</b>	4	9
<b>E</b>	5	11
<b>F</b>	6	4
<b>G</b>	8	6
<b>H</b>	9	10
<b>I</b>	10	1
<b>J</b>	11	15
<b>K</b>	12	13
		14
<b>L</b>	14	12
<b>M</b>	15	
	17	
<b>N*</b>		

\*Group N is corresponding to Meitert serotype 10.

## Salmonella Antisera

Former Alphabetical O Groups	Current WHO O Groups
A	2
B	4
C1-C2	6,7
C2-C3	8
D1	9
D2	9,46
D3	9, 46, 27
E1-E2-E3	3, 10
E	1, 3, 19
F	11
G1-G2	13
H	6, 14
I	16
J	17
K	18
L	21
M	28
N	30
O	35
P	38
Q	39
R	40
S	41
T	42
U	43
V	44
W	45
X	47
Y	48
Z	50

Set 1	293855
<b>Set contains 2ml x 2 polyvalent, 15 O-grouping and Vi</b>	
<b>Polyvalent O</b>	294463
O2	294364
O4	294401
O7	294425
O8	294432
O9	294449
O9, 46	294456
O3, 10	294388
O1, 3, 19	294302
<b>Polyvalent O1</b>	294357
O11	294319
O13	294326
O6, 14	294418
O16	294333
O18	294340
O21	294371
O35	294395
Vi	294470
<b>Not CE Marked</b>	<b>Also Available</b>
O17	292575
O28	292582
O39	292599
O6	291875
H-g,p	291882

CE Marked

H-Sera		
Typing	Phase Induction	
<b>Set 2</b>	293862	200181
H-a	293923	211798
H-b	293930	211804
H-c	293947	211811
H-d	293954	211828
H-e,h	293961	211835
H-G	293978	211842
H-i	293985	211859
H-k	293992	211866DS
H-l	294005	211873
H-r	294012	211880
H-y	294029	211897
H-e,n	294036	211903
H-1	294043	211910
H-z	294050	211927
H-z4	294067	211934
H-z10	294074	211941
H-z29	294081	211958
<b>Set 3</b>	293879	
<b>Set contains 5ml x 4H-L mono</b>		
H-v	294098	
H-w	294104	
H-z13	294111	
H-z28	294128	
<b>Set 4</b>	293886	
<b>Set contains 5ml x 5H-1 mono</b>		
H-2	294135	
H-5	294142	
H-6	294159	
H-7	294166	
H-z6	294173	



H-Sera *Salmonella* Antisera

**Purpose:** Serotyping of *Salmonella*.

**Features:** Antisera for the typing of *Salmonella* Group O and H antigens. These are available in two separate sets to accommodate the requirements of users. All items are also available separately in single polyvalent or monovalent vial form. Refer to our complete product list on the previous page.

**Contents of kits:**

**Set 1:** For *Salmonella* Group O antigen serotyping (18 vials including Vi serum).

**Set 2:** For *Salmonella* H antigen serotyping (17 vials).

**Set 3:** H-L antigen group factor serum set (4 vials).

**Set 4:** H-I antigen group factor serum set (5 vials).

**Set 5:** H-G antigen group factor serum set (7 vials).

**Set 6:** H-z4 antigen group factor serum and H-e,n antigen group factor serum set (5 vials).

**Set 7:** for serotyping of typhoid bacillus and paratyphoid A bacillus (5 vials: 2 O sera, 2 H sera, and 1 Vi serum).

**Note:** The antisera contain preservatives and therefore cannot be used for phase induction. Set 7 is not necessary if using Sets 1 and 2. Antisera nomenclature consist of alphabetical letters (upper and lower case) and numerals, which should be noted when placing an order. Use only non-selective culture medium.

Important note regarding O grouping - bacterial serotyping methods are standardized worldwide. The WHO has a reference center based in France (Pasteur Institute) for *Salmonella*, as does the bacteriology department in Japan's National Institute of Infectious Diseases (NIID).

Due to the fact that each country should have a single reference center, manufacturers of typing antisera obtained bacterial strains via the Pasteur Institute. Therefore, Denka Seiken also uses strains obtained from the Pasteur Institute through the NIID.

A committee comprised of experts from various countries was organized to determine the serotyping of *Salmonella*. This task was originally based on research done by Kaufman-White. At first, O serotypes were assigned letters from the Roman alphabet: A, B, etc. Later as new serotypes were discovered, they were included in these groups. However, since there are only 26 letters in the alphabet, after "Z" all O-antigen factor strains were assigned a number. Eventually, *Salmonella* serotyping charts listed a mixture of Roman letters and numerals; therefore, about 10 years ago all O-antigen factor strains were ultimately assigned a uniform number to simplify the typing system, which is currently in use.

The antisera product list on the previous page conforms to that of the WHO, by including a column in the left-hand side of the chart to depict the difference between the former and current classification systems. Although internationally MUREX and DIFCO still employ the alphabet classification system, the reason is unclear. The aforementioned comparison chart has been included in our product list for the convenience of users familiar with either system.

**Salmonella Antisera**

**CE Marked**

<b>Set 5</b>	293893
<b>Set contains 5ml x 7 H-G monovalent</b>	
H-f	294180
H-m	294197
H-p	294203
H-q	294210
H-s	294227
H-t	294234
H-u	294241
<b>Set 6</b>	293909
<b>Set contains 3 H-z4 and 2 H-e,n</b>	
H-z23	294258
H-z24	294265
H-z32	294272
H-x	294289
H-z15	294296
<b>Set 7</b>	293916
O2	294364
O9	294449
H-a	293923
H-d	293954
Vi	294470

**Also Available**

Poly A-G	292483
Poly A-S	292476
Omnivalent	292537
H-Rapid-1	292445
H-Rapid-2	292452
H-Rapid-3	292469
H-E Complex	292520

## Shigella Antisera

CE Marked

<b>Set 1</b> (2ml x 8 polyvalent, 41 monovalent)	294821
<b>Set 2</b> (2ml x 8 poly, 11 <i>Shigella flexneri/sonnei</i> )	294838
<b>Set 3</b> (2ml x 8 polyvalent)	294845

<b>Shigella dysenteriae</b>	
<b>Polyvalent A</b>	294982
Type 1	294852
Type 2	294906
Type 3	294913
Type 4	294920
Type 5	294937
Type 6	294944
Type 7	294951
<b>Polyvalent A-1</b>	294890
Type 8	294968
Type 9	294975
Type 10	294869
Type 11	294876
Type 12	294883

**Purpose:** Serotyping of *Shigella*.

**Features:** Available in three separate sets to accommodate the requirements of users. All items are also available in single polyvalent or monovalent vial form, including *Shigella dysenteriae*, *Shigella flexneri*, *Shigella boydii*, and *Shigella sonnei*. Refer to our complete product list above.

<b>Shigella flexneri</b>	
<b>Polyvalent B</b>	295088
Type I	295002
Type II	295019
Type III	295026
Type IV	295033
Type V	295040
Type VI	295064
Group (3) 4	294999
Group 6	295057
Group 7 (8)	295071

<b>Shigella boydii</b>	
<b>Polyvalent C</b>	295309
Type 1	295095
Type 2	295200
Type 3	295224
Type 4	295248
Type 5	295255
Type 6	295262
Type 7	295279
<b>Polyvalent C</b>	295194
Type 8	295286
Type 9	295293
Type 10	295101
Type 11	295118
<b>Polyvalent C2</b>	295217
Type 12	295125
Type 13	295132
Type 14	295149
Type 15	295156



## Shigella Antisera

CE Marked

Polyvalent C3	295231
Type 16	295163
Type 17	295170
Type 18	295187

### Shigella sonnei

Polyvalent D	295330
Phase I	295316
Phase II	295323

**Note:** The serotype for *Shigella flexneri* is determined by the combination of the type and group serum. Determine the appropriate serum by referring to the table included in the product insert. Use only non-selective culture medium.

### Contents of kits:

- Set 1:** Contains all Denka Seiken *Shigella* sera (49 vials).
- Set 2:** Contains polyvalent and monovalent sera for *Shigella flexneri* and *Shigella sonnei*, and polyvalent serum for *Shigella dysenteriae* and *Shigella boydii* (19 vials).
- Set 3:** Contains polyvalent sera for *Shigella dysenteriae*, *Shigella flexneri*, *Shigella boydii*, and *Shigella sonnei* (8 vials).

## Staphylococcal Coagulase Antisera

CE Marked

Set (5ml x 8)	270016
Type I	270061
Type II	270078
Type III	270085
Type IV	270092
Type V	270108
Type VI	270115
Type VII	270122
Type VIII	270139

### Auxiliary Reagents

Diluent	271020
Normal rabbit serum	271037
Normal rabbit plasma lyophilized	271044

**Purpose:** For the serotyping of *Staphylococcus aureus* coagulase.

**Features:** Antisera for the serotyping of the coagulase characteristically produced by *Staphylococcus aureus*. Available as a set or for individual purchase, according to user requirements. Auxiliary reagents, including normal rabbit serum, lyophilized normal rabbit plasma, and diluent are sold separately.

**Note:** The auxiliary reagents mentioned above are required to perform the test. When placing orders for purchase, note that normal rabbit serum and lyophilized normal rabbit plasma are easily mistaken.

### Reference terminology

**Coagulase:** Externally produced protein by *Staphylococcus*. Coagulates plasma by acting on the prothrombin in the plasma.

**Clumping factor:** Protein produced by *Staphylococcus* on the surface of the bacteria. Produces clots when bacteria and plasma mix by acting on the fibrinogen in the plasma.

**Protein A:** Internally and externally produced protein by *Staphylococcus*. Specifically binds to the Fc site of immunoglobulin G (IgG).

## Streptococcus Antisera

<b>Group-A T-Typing Set</b> (2ml x 24)	200327
<b>Polyvalent T</b>	213235
T-1	213280
T-3	213303
T-13	213389
T-B3264	213457
<b>Polyvalent U</b>	213242
T-2	213297
T-4	213310
T-6	213334
T-28	213440
<b>Polyvalent W</b>	213259
T-5 / 27 / 44	213327
T-11	213365
T-12	213372
<b>Polyvalent X</b>	213266
T-8	213341
T-14 / 49	213396
T-25	213433
T-Imp. 19	213464
<b>Polyvalent Y</b>	213273
T-9	213358
T-18	213402
T-22	213419
T-23	213426

## Group B is CE Marked

<b>Group-B Typing Set</b> (2ml x 6)	270023
Ia	270146
Ib	270153
II	270160
III	270177
IV	270184
V	270191

### Also Available

VI (NT6)	270207
VII (7271)	270221
VIII (JM9)	270214

## Auxiliary Reagents for Typing of Hemolytic *Streptococcus*

<b>Auxiliary Reagents</b>	271013
<b>Kit contents:</b>	
Swine pancreas extract	5ml x 4 vials
pH correction solution	5ml x 2 vials
Phenol red solution	5ml x 1 vials



## Streptococcus pneumoniae Antisera

CE Marked

<b>Set</b> (2ml x 8 polyvalent, 39 monovalent)	270054
<b>Polyvalent 1</b>	270542
1	270627
2	270634
3	270641
4	270658
5	270665
<b>Polyvalent 2</b>	270559
6	270672
8	270696
9	270702
10	270719
<b>Polyvalent 3</b>	270566
11	270726
12	270733
14	270740
15	270757
16	270764
<b>Polyvalent 4</b>	270573
17	270771
18	270788
21	270818
22	270825

<b>Polyvalent 5</b>	270580
20	270801
29	270887
31	270894
33	270917
34	270924
35	270931
47	271006
<b>Polyvalent 6</b>	270597
23	270832
25	270856
28	270870
41	270986
46	270993
<b>Polyvalent 7</b>	270603
27	270863
32	270900
36	270948
38	270955
39	270962
<b>Polyvalent 8</b>	270610
7	270689
19	270795
24	270849
40	270979

*Streptococcus pneumoniae* colonies  
growing on Blood Agar,  
Cat. no. A10



## Vibrio cholerae Antisera

CE Marked

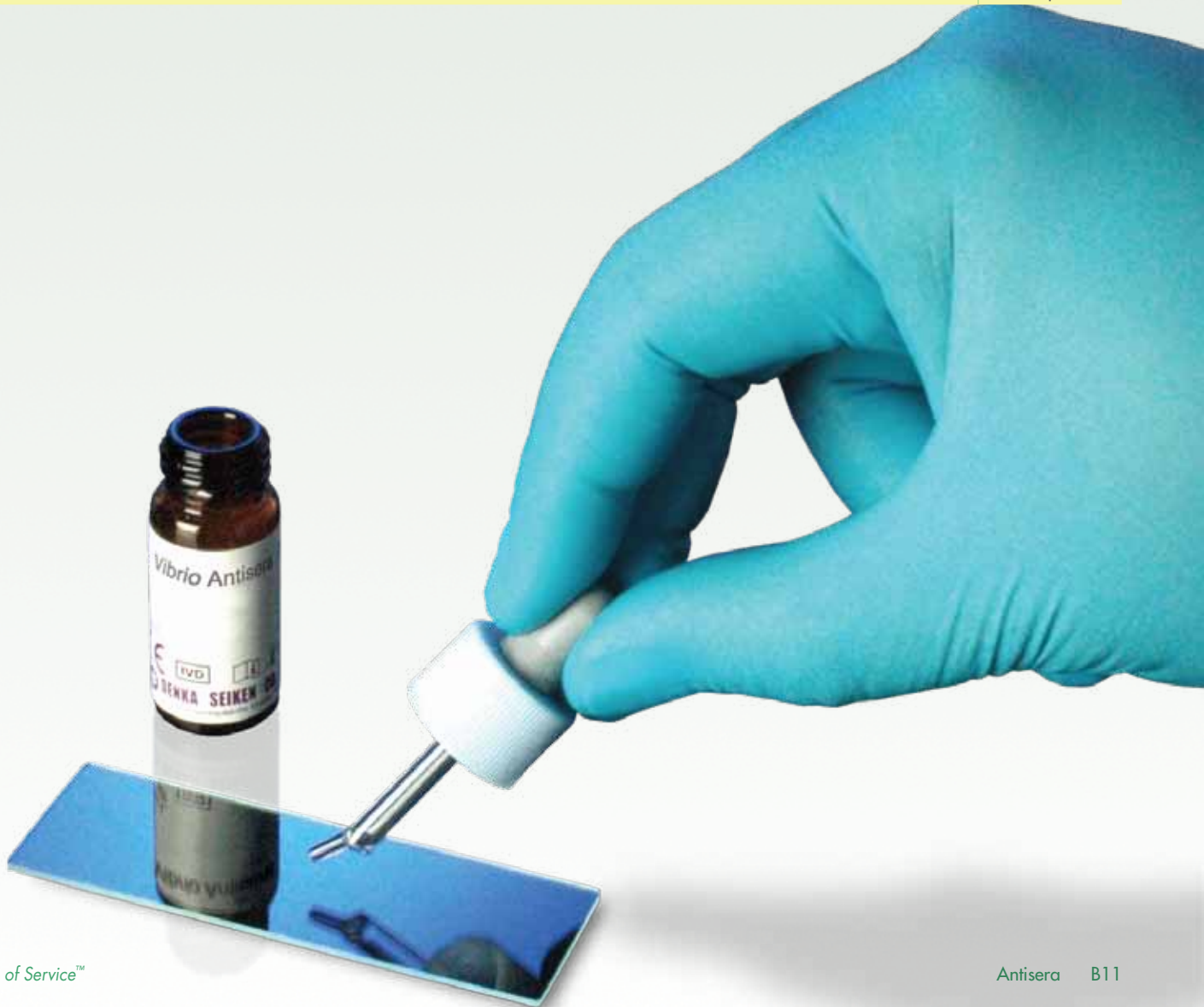
Set (2ml x 3)	293817
Polyvalent (serovar Inaba and Ogawa)	293831
Serovar Inaba	293824
Serovar Ogawa	293848
O139 "Bengal"*	294487

**Purpose:** Serotyping of *Vibrio cholerae* O1.

**\*Note:** The O139 "Bengal" serovar is not included in the set.

## Vibrio cholerae - AD

Vibrio cholerae Antigen O1 Serotyping and Detection Kit by Slide Latex Agglutination	230157
<b>Kit contents:</b>	50 tests
Sensitized latex a	2ml x 1 vial
Sensitized latex b	2ml x 1 vial
Sensitized latex c	2ml x 1 vial
Control latex	2ml x 1 vial
Test card	55 pcs.



## Vibrio parahaemolyticus Antisera

<b>Set (2ml x 9 polyvalent, 65 monovalent)</b>	
<b>Polyvalent K I</b>	212344
K 1	212436
K 3	212443
K 4	212450
K 5	212467
K 6	212474
K 7	212481
K 8	212498
<b>Polyvalent K II</b>	212351
K 9	212504
K 10	212511DS
K 11	212528DS
K 12	212535DS
K 13	212542DS
K 15	212559
K 17	212566
<b>Polyvalent K III</b>	212368
K 18	212573
K 19	212580
K 20	212597
K 21	212603
K 22	212610
K 23	212627
K 24	212634
<b>Polyvalent K IV</b>	212375
K 25	212641
K 26	212658
K 28	212665
K 29	212672
K 30	212689
K 31	212696
K 32	212702
<b>Polyvalent K V</b>	212382
K 33	212719
K 34	212726
K 36	212733
K 37	212740DS
K 38	212757
K 39	212764
K 40	212771

<b>Polyvalent K VI</b>	212399
K 41	212788
K 42	212795
K 43	212801
K 44	212818
K 45	212825
K 46	212832
K 47	212849
<b>Polyvalent K VII</b>	212405
K 48	212856
K 49	212863
K 50	212870
K 51	212887
K 52	212894
K 53	212900
K 54	212917
<b>Polyvalent K VIII</b>	212412
K 55	212924
K 56	212931
K 57	212948
K 58	212955
K 59	212962
K 60	212979
K 61	212986
<b>Polyvalent K IX</b>	212429
K 63	212993
K 64	213006
K 65	213013
K 66	213020
K 67	213037
K 68	213044
K 69	213051
<b>Also available</b>	
K 70	213068
K 71	213075

## *Vibrio parahaemolyticus* Antisera

O-Grouping Set (2ml x 11)	200273
O 1	213082
O 2	213099
O 3	213105
O 4	213112
O 5	213129
O 6	213136
O 7	213143
O 8	213150
O 9	213167
O 10	213174
O 11	213181

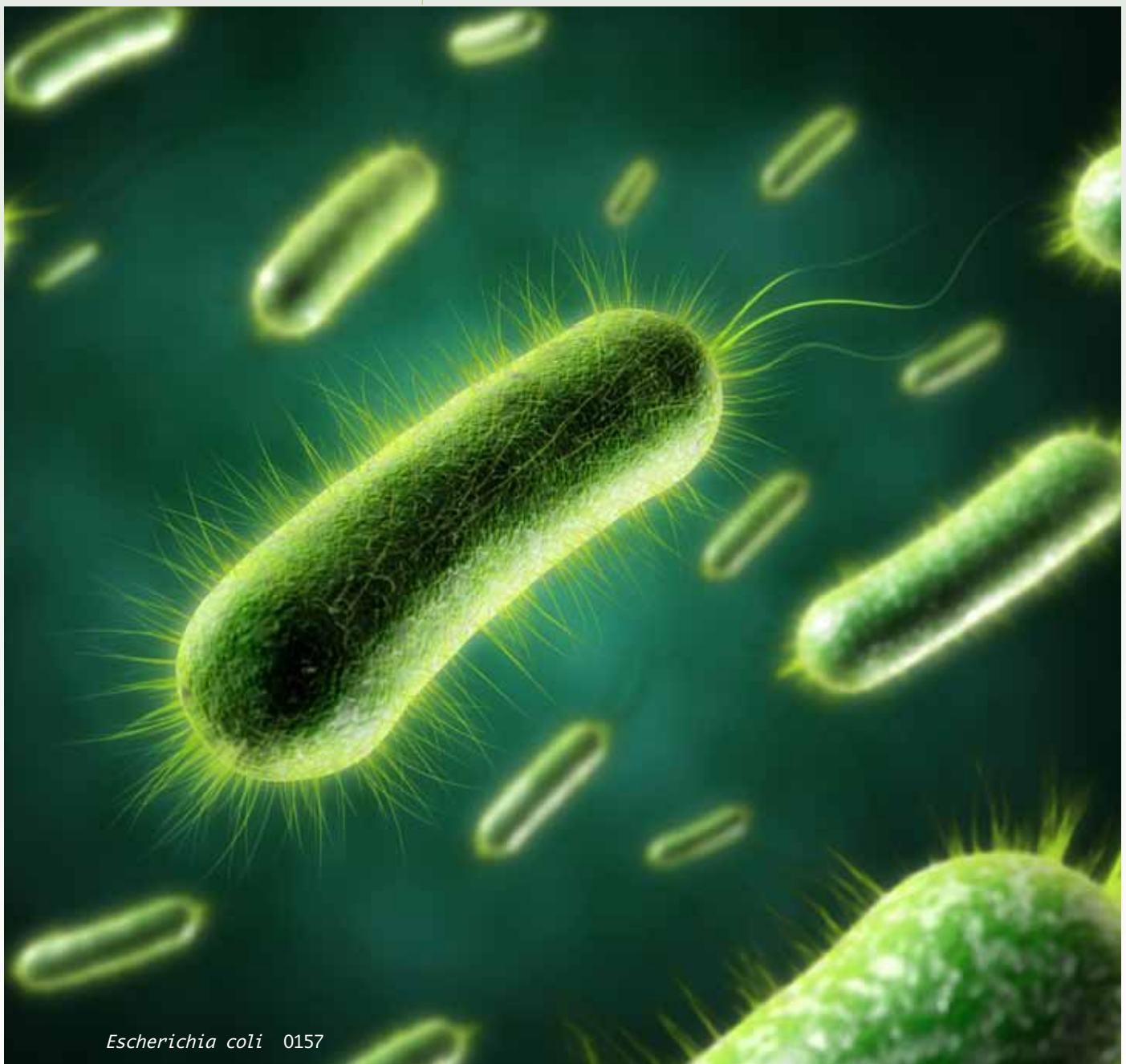
**Purpose:** Serotyping of *Vibrio parahaemolyticus*.

**Features:** Immunosera for the typing of *Vibrio parahaemolyticus* Group O and K antigens. These are available as K serum and Group O serum sets, and are also available separately in single polyvalent or monovalent vial form.

**Contents of kits:**

**K Serum Set:** Contains a total of 9 polyvalent and 65 monovalent sera (74 vials).

**Group O Serum Set:** Contains 11 Group O sera.



*Escherichia coli* 0157

## BD Antisera, QC Antigens

Product Description	Cat. no.
<i>Bordetella parapertussis</i> Antiserum, 1ml	223101
<i>Bordetella pertussis</i> Antiserum, 1ml	223091
<i>Escherichia coli</i> H Antiserum H7, 3ml	221591
<i>Escherichia coli</i> O Antiserum O157, 3ml	229701
Febrile Antigen Set, 5ml	240786
<i>Haemophilus influenzae</i> Antiserum Poly, 1ml	222371
<i>Haemophilus influenzae</i> Antiserum Type A, 1ml	222501
<i>Haemophilus influenzae</i> Antiserum Type B, 1ml	222361
<i>Haemophilus influenzae</i> Antiserum Type C, 1ml	227891
<i>Haemophilus influenzae</i> Antiserum Type D, 1ml	227901
<i>Haemophilus influenzae</i> Antiserum Type E, 1ml	227911
<i>Haemophilus influenzae</i> Antiserum Type F, 1ml	227921
<i>Listeria</i> O Antiserum, Poly, 1ml	223021
<i>Listeria</i> O Antiserum, Type 1, 1ml	223001
<i>Listeria</i> O Antiserum, Type 4, 1ml	2301501
<i>Neisseria meningitidis</i> Antiserum Group A, 1ml	222281
<i>Neisseria meningitidis</i> Antiserum Group B, 1ml	222291
<i>Neisseria meningitidis</i> Antiserum Group C, 1ml	222301
<i>Neisseria meningitidis</i> Antiserum Group D, 1ml	222311
<i>Neisseria meningitidis</i> Antiserum Group W135, 1ml	2253509
<i>Neisseria meningitidis</i> Antiserum Group X, 1ml	228801
<i>Neisseria meningitidis</i> Antiserum Group Y, 1ml	228811
<i>Neisseria meningitidis</i> Antiserum Group Z, 1ml	228911
<i>Neisseria meningitidis</i> Antiserum Poly 1, 1ml	222321
<i>Proteus</i> OX2 Antigen, 5ml	240783
QC Antigen <i>Salmonella</i> O Group A, 1ml	221301
QC Antigen <i>Salmonella</i> O Group B, 1ml	221311
QC Antigen <i>Salmonella</i> O Group C1, 1ml	221321
QC Antigen <i>Salmonella</i> O Group C2, 1ml	221331
QC Antigen <i>Salmonella</i> O Group D, 1ml	221341
QC Antigen <i>Salmonella</i> O Group E1, 1ml	211750
QC Antigen <i>Salmonella</i> O Group E2, 1ml	211751
QC Antigen <i>Salmonella</i> O Group E4, 1ml	221371
QC Antigen <i>Salmonella</i> O Group F, 1ml	211753
QC Antigen <i>Salmonella</i> O Group G1, 1ml	2139509
QC Antigen <i>Salmonella</i> O Group H, 1ml	221401
QC Antigen <i>Salmonella</i> O Group I, 1ml	211757
QC Antigen <i>Salmonella</i> O Group Vi, 1ml	221421
<i>Salmonella</i> H Antigen A, 5ml	240834
<i>Salmonella</i> H Antiserum 1 Complex, 3ml	222721
<i>Salmonella</i> H Antiserum A, 3ml	228201
<i>Salmonella</i> H Antiserum EN Complex, 3ml	2270477

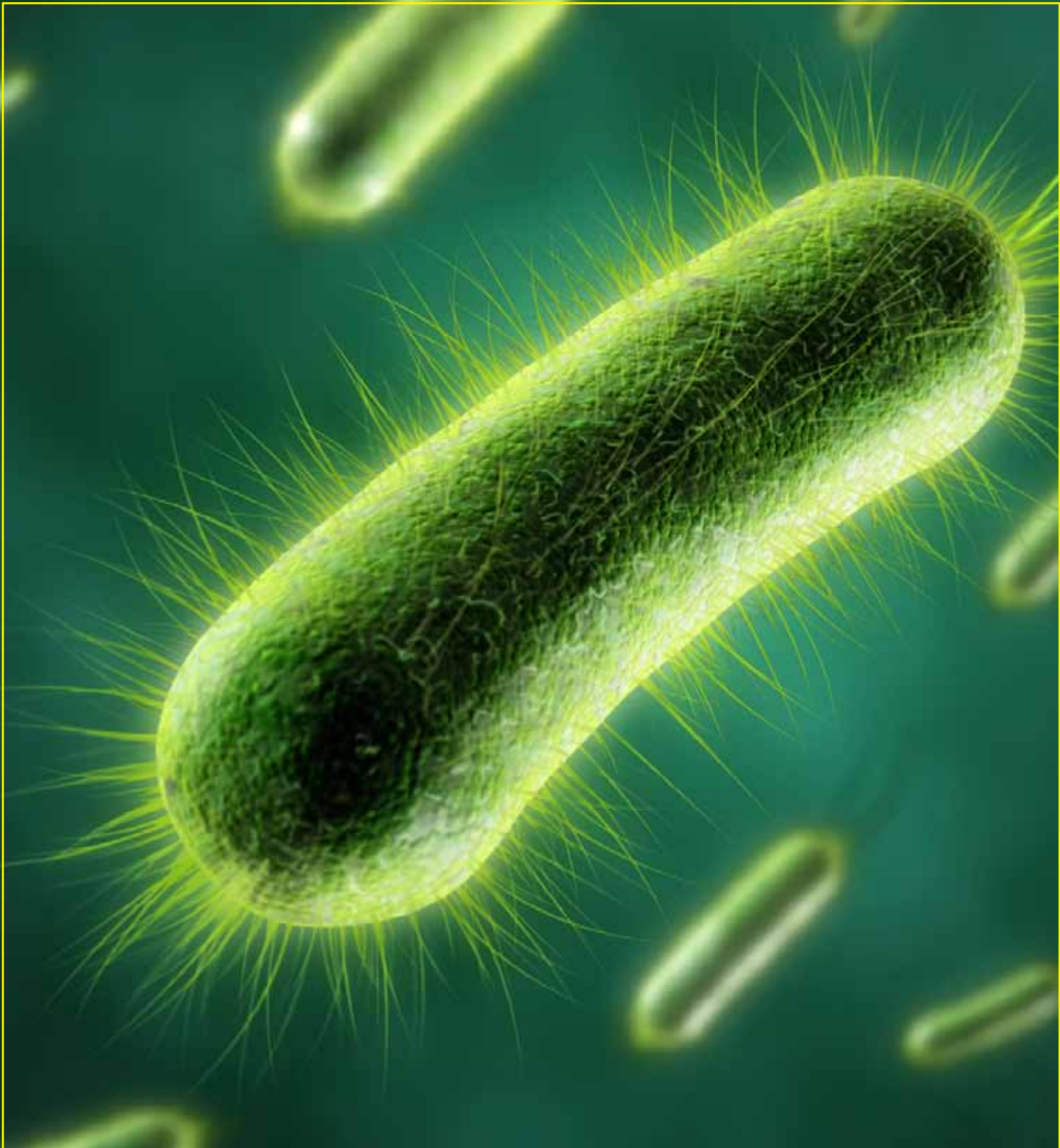
## BD Antisera, QC Antigens

Product Description	Cat. no.
<i>Salmonella</i> H Antiserum Factor 2, 3ml	2474478
<i>Salmonella</i> H Antiserum Factor 5, 3ml	2475477
<i>Salmonella</i> H Antiserum Factor 6, 3ml	2476476
<i>Salmonella</i> H Antiserum Factor 7, 3ml	2477475
<i>Salmonella</i> H Antiserum Factor F, 3ml	2544474
<i>Salmonella</i> H Antiserum Factor P, 3ml	2548470
<i>Salmonella</i> H Antiserum Factor S, 3ml	2550475
<i>Salmonella</i> H Antiserum Factor Z13, 3ml	2556479
<i>Salmonella</i> H Antiserum Factor Z23, 3ml	2558477
<i>Salmonella</i> H Antiserum Factor Z28, 3ml	225611
<i>Salmonella</i> H Antiserum I, 3ml	228241
<i>Salmonella</i> H Antiserum K, 3ml	222741
<i>Salmonella</i> H Antiserum L Complex, 3ml	2271473
<i>Salmonella</i> H Antiserum Poly A-Z, 3ml	224061
<i>Salmonella</i> H Antiserum R, 3ml	2275479
<i>Salmonella</i> H Antiserum Spicer-Edwards 1, 3ml	222651
<i>Salmonella</i> H Antiserum Spicer-Edwards 2, 3ml	2266470
<i>Salmonella</i> H Antiserum Spicer-Edwards 3, 3ml	2267479
<i>Salmonella</i> H Antiserum Spicer-Edwards 4, 3ml	2268478
<i>Salmonella</i> H Antiserum Z, 3ml	2277477
<i>Salmonella</i> H Antiserum Z29, 3ml	2280472
<i>Salmonella</i> H Antiserum Z6, 3ml	2473479
<i>Salmonella</i> O Antigen Group A, 5ml	240731
<i>Salmonella</i> O Antigen Group B, 5ml	240732
<i>Salmonella</i> O Antigen Group D, 5ml	240734
<i>Salmonella</i> O Antigen Group K, Factor 18, 3ml	225181
<i>Salmonella</i> O Antiserum Factor 10, 3ml	222571
<i>Salmonella</i> O Antiserum Factor 15, 3ml	222581
<i>Salmonella</i> O Antiserum Factor 19, 3ml	222591
<i>Salmonella</i> O Antiserum Factor 2, 3ml	228141
<i>Salmonella</i> O Antiserum Factor 22, 3ml	226631
<i>Salmonella</i> O Antiserum Factor 34, 3ml	211778
<i>Salmonella</i> O Antiserum Factor 4, 3ml	226591
<i>Salmonella</i> O Antiserum Factor 7, 3ml	228161
<i>Salmonella</i> O Antiserum Factor 8, 3ml	228171
<i>Salmonella</i> O Antiserum Factor 9, 3ml	228181
<i>Salmonella</i> O Antiserum Factors 4 & 5, 3ml	228151
<i>Salmonella</i> O Antiserum Group A, 3ml	240983
<i>Salmonella</i> O Antiserum Group B, 1, 4, 12, 27, 3ml	229731
<i>Salmonella</i> O Antiserum Group B, 1, 4, 5, 12, 3ml	229481
<i>Salmonella</i> O Antiserum Group C2, 3ml	240986
<i>Salmonella</i> O Antiserum Group D, 3ml	240987

## BD Antisera, QC Antigens

Product Description	Cat. no.
<i>Salmonella</i> O Antiserum Group E, 3ml	240988
<i>Salmonella</i> O Antiserum Group E1, Factors 3, 10, 3ml	229521
<i>Salmonella</i> O Antiserum Group E3, Factors 3, 15, 34, 3ml	230181
<i>Salmonella</i> O Antiserum Group E4, Factors 1, 3, 19, 3ml	230191
<i>Salmonella</i> O Antiserum Group F, Factor 11, 3ml	222601
<i>Salmonella</i> O Antiserum Group F, 3ml	240989
<i>Salmonella</i> O Antiserum Group G, Factors 13, 22, 23, 3ml	230291
<i>Salmonella</i> O Antiserum Group G, 3ml	240990
<i>Salmonella</i> O Antiserum Group G1, Factors 13, 22, (36), 3ml	222611
<i>Salmonella</i> O Antiserum Group H, 3ml	240991
<i>Salmonella</i> O Antiserum Group I, Factor 16, 3ml	222631
<i>Salmonella</i> O Antiserum Group I, 3ml	240992
<i>Salmonella</i> O Antiserum Group M, Factor 28, 3ml	211781
<i>Salmonella</i> O Antiserum Group N, Factor 30, 3ml	2521471
<i>Salmonella</i> O Antiserum Group O, Factor 35, 3ml	2522470
<i>Salmonella</i> O Antiserum Group Poly A-I and Vi, 3ml	240993
<i>Salmonella</i> O Antiserum Poly A, 3ml	225341
<i>Salmonella</i> O Antiserum Poly B, Groups C1, C2, F, G and H, 3ml	225351
<i>Salmonella</i> O Antiserum Poly C, 3ml	225361
<i>Salmonella</i> O Antiserum Poly D, 3ml	225371
<i>Salmonella</i> O Antiserum Poly E, Groups V, W, X, Y and Z , 3ml	225381
<i>Salmonella</i> O Group E2, Factors 3, 15, 3ml	2954477
<i>Salmonella</i> Vi Antiserum, 3ml	240994
<i>Shigella</i> Antiserum Group A1, <i>Shigella dysenteriae</i> Types 8ab, 8ac, 9, 10, 3ml	227761
<i>Shigella</i> Antiserum Group C1, <i>Shigella boydii</i> Types 8-11, 3ml	227771
<i>Shigella</i> Antiserum Poly Group A, 3ml	241025
<i>Shigella</i> Antiserum Poly Group A1, 3ml	241026
<i>Shigella</i> Antiserum Poly Group B, 3ml	241027
<i>Shigella</i> Antiserum Poly Group C, 3ml	241028
<i>Shigella</i> Antiserum Poly Group C1, 3ml	241029
<i>Shigella</i> Antiserum Poly Group C2, 3ml	241030
<i>Shigella</i> Antiserum Poly, Group C, <i>Shigella boydii</i> Types 1-7, 3ml	228361
<i>Shigella</i> Antiserum Poly, Group C2, <i>Shigella boydii</i> Types 12-15, 3ml	227781
<i>Shigella</i> Antiserum Set 3, 8 x 2ml	294845
<i>Vibrio cholerae</i> Antiserum, Poly, 3ml	224321





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The Quality Management System at Hardy Diagnostics manufacturing facility is certified to ISO 13485.

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