



# Difco™ Antiserum Solutions

BD offers the best solutions to meet your microbiology needs



Helping all people  
live healthy lives



## Difco™ Antiserum



## The Gold Standard for Typing Antisera

You have known and trusted Difco™ antisera for many years and we are proud to offer one of the broadest lines in the world.

We work diligently in our manufacturing process to assure that cross reactions are removed.

Very quick reaction times have led to Difco™ being the trusted leader in antisera-typing. Available with complete panels for typing *Salmonella* O & H, *Shigella*, *Neisseria*, *E. coli*, *Vibrio*, *Listeria*, *Bordetella* and *Haemophilus*.

### Try and see for yourself the difference:

- Fast Reaction Times
- Easy, Clear Results
- Over 156 Stock Products
- cGMP & ISO Manufacturing Standards and CE-Marked

# Have confidence in your microbial identification by using the gold standard in antisera with best in class microbiology products.

With over 100 years of experience in the development and manufacturing of clinical and industrial microbiological products under the BBL™ and Difco™ brands, BD Diagnostics is committed to providing you with the most highly responsive and technically relevant solutions, increasing operational efficiency, and elevating quality standards.

Our continuum of products include: collection and transport, dehydrated & prepared culture media, atmospheric generation, diagnostic stains and reagents, and identification and susceptibility for a variety of microbiological applications.



## BD Prepared Culture Media and Antisera

- Over 180 years of combined Difco™ and BBL™ media manufacturing experience
- Vertically integrated manufacturing for highest levels of quality
- Most extensive line of microbiological culture media products



For more information on BD products, please contact your BD Diagnostics sales representative or visit [www.bd.com/ds](http://www.bd.com/ds).



## Ordering Information

### Cat. No. **SALMONELLA QUALITY CONTROL ANTIGENS**

Available in 1.0 mL packaged vials

<b>221301</b>	QC Antigen Salmonella O Group A
<b>221311</b>	QC Antigen Salmonella O Group B
<b>221321</b>	QC Antigen Salmonella O Group C <sub>1</sub>
<b>221331</b>	QC Antigen Salmonella O Group C <sub>2</sub>
<b>221341</b>	QC Antigen Salmonella O Group D
<b>211750</b>	QC Antigen Salmonella O Group E <sub>1</sub>
<b>211751</b>	QC Antigen Salmonella O Group E <sub>2</sub>
<b>221371</b>	QC Antigen Salmonella O Group E <sub>4</sub>
<b>211753</b>	QC Antigen Salmonella O Group F
<b>211754</b>	QC Antigen Salmonella O Group G <sub>1</sub>
<b>221401</b>	QC Antigen Salmonella O Group H
<b>211757</b>	QC Antigen Salmonella O Group I
<b>221421</b>	QC Antigen Salmonella Vi

### Cat. No. **SALMONELLA O GROUPING ANTISERA**

Available in 3.0 mL packaged vials

<b>229471</b>	Salmonella O Antiserum Group A (factors 1, 2, 12)
<b>229731</b>	Salmonella O Antiserum Group B (factors 1, 4, 12, 27)
<b>229481</b>	Salmonella O Antiserum Group B (factors 1, 4, 5, 12)
<b>229491</b>	Salmonella O Antiserum Group C <sub>1</sub> (factors 6, 7)
<b>229501</b>	Salmonella O Antiserum Group C <sub>2</sub> (factors 6, 8)
<b>230161</b>	Salmonella O Antiserum Group C <sub>3</sub> (factors 8, 20)
<b>229511</b>	Salmonella O Antiserum Group D <sub>1</sub> (factors 1, 9, 12)
<b>230171</b>	Salmonella O Antiserum Group D <sub>2</sub> (factors 9 (46))
<b>228191</b>	Salmonella O Antiserum Group E (factors 1, 3, 10, 15, 19, 34)
<b>229521</b>	Salmonella O Antiserum Group E <sub>1</sub> (factors 3, 10)
<b>229541</b>	Salmonella O Antiserum Group E <sub>2</sub> (factors 3, 15)
<b>230181</b>	Salmonella O Antiserum Group E <sub>3</sub> (factors (3), (15), 34)
<b>230191</b>	Salmonella O Antiserum Group E <sub>4</sub> (factors 1, 3, 19)

<b>222601</b>	Salmonella O Antiserum Group F (factor 11)
<b>230291</b>	Salmonella O Antiserum Group G (factors 13, 22, 23, (36), (37))
<b>222611</b>	Salmonella O Antiserum Group G <sub>1</sub> (factors 13, 22, (36))
<b>230201</b>	Salmonella O Antiserum Group G <sub>2</sub> (factors 1, 13, 23, (36), (37))
<b>222621</b>	Salmonella O Antiserum Group H (factors 1, 6, 14, 24, 25)
<b>222631</b>	Salmonella O Antiserum Group I (factor 16)
<b>211780</b>	Salmonella O Antiserum Group J (factor 17)
<b>225181</b>	Salmonella O Antiserum Group K (factor 18)
<b>225191</b>	Salmonella O Antiserum Group L (factor 21)
<b>211781</b>	Salmonella O Antiserum Group M (factor 28)
<b>211783</b>	Salmonella O Antiserum Group N (factor 30)
<b>225221</b>	Salmonella O Antiserum Group O (factor 35)
<b>228271</b>	Salmonella Vi Antiserum
<b>222641</b>	Salmonella O Antiserum Poly A-I & Vi (factors 1-16, 19, 22-25, 34, Vi)

### Cat. No. **SALMONELLA H SINGLE FACTOR ANTISERA**

Available in 3.0 mL packaged vials

<b>224741</b>	Salmonella H Antiserum Single Factor 2
<b>224751</b>	Salmonella H Antiserum Single Factor 5
<b>224761</b>	Salmonella H Antiserum Single Factor 6
<b>224771</b>	Salmonella H Antiserum Single Factor 7

### Cat. No. **SALMONELLA H SPICER EDWARDS ANTISERA**

Available in 3.0 mL packaged vials

<b>222651</b>	Salmonella H Antiserum Spicer-Edwards 1 (a, b, c, d, eh, G complex, i)
<b>222661</b>	Salmonella H Antiserum Spicer-Edwards 2 (a, b, c, k, r, y, z <sub>29</sub> )
<b>222671</b>	Salmonella H Antiserum Spicer-Edwards 3 (a, d, eh, k, z, z <sub>4</sub> complex, z <sub>29</sub> )
<b>222681</b>	Salmonella H Antiserum Spicer-Edwards 4 (b, d, G complex, k, r, z, z <sub>10</sub> )

**Cat. No. SALMONELLA H ANTISERA**  
Available in 3.0 mL packaged vials

<b>228201</b>	Salmonella H Antiserum a
<b>228211</b>	Salmonella H Antiserum b
<b>228221</b>	Salmonella H Antiserum c
<b>228231</b>	Salmonella H Antiserum d
<b>222731</b>	Salmonella H Antiserum eh
<b>225441</b>	Salmonella H Antiserum f
<b>225451</b>	Salmonella H Antiserum h
<b>228241</b>	Salmonella H Antiserum i
<b>222741</b>	Salmonella H Antiserum k
<b>225461</b>	Salmonella H Antiserum m
<b>225481</b>	Salmonella H Antiserum p
<b>222751</b>	Salmonella H Antiserum r
<b>225501</b>	Salmonella H Antiserum s
<b>225511</b>	Salmonella H Antiserum t
<b>225541</b>	Salmonella H Antiserum w
<b>225551</b>	Salmonella H Antiserum x
<b>222761</b>	Salmonella H Antiserum y
<b>222771</b>	Salmonella H Antiserum z
<b>224731</b>	Salmonella H Antiserum z <sub>6</sub>
<b>222791</b>	Salmonella H Antiserum z <sub>10</sub>
<b>225561</b>	Salmonella H Antiserum z <sub>13</sub>
<b>225571</b>	Salmonella H Antiserum z <sub>15</sub>
<b>225581</b>	Salmonella H Antiserum z <sub>23</sub>
<b>225611</b>	Salmonella H Antiserum z <sub>28</sub>
<b>222801</b>	Salmonella H Antiserum z <sub>29</sub>
<b>225621</b>	Salmonella H Antiserum z <sub>32</sub>

**Cat. No. SALMONELLA H COMPLEX ANTISERA**  
Available in 3.0 mL packaged vials

<b>222701</b>	Salmonella H Antiserum EN Complex (e,n,x; e,n,z <sub>15</sub> )
<b>222691</b>	Salmonella H Antiserum G Complex (factors f,g;f,g,t;g,m;g,m,q;g,m,s;g,m,s,t;g,p;g,p,u;g,s,t;g,t;m,t)
<b>222711</b>	Salmonella H Antiserum L Complex (l,v; l,w; l,z <sub>13</sub> ; l,z <sub>28</sub> ; l,z <sub>40</sub> )
<b>222781</b>	Salmonella H Antiserum Z <sub>4</sub> Complex (z <sub>4</sub> ,z <sub>23</sub> ; z <sub>4</sub> ,z <sub>24</sub> ; z <sub>4</sub> ,z <sub>32</sub> )
<b>222721</b>	Salmonella H Antiserum 1 Complex (1,2; 1,5; 1,6; 1,7)

**Cat. No. SALMONELLA H POLY ANTISERA**  
Available in 3.0 mL packaged vials

<b>224061</b>	Salmonella H Antiserum Poly a-z (Contains all factors of Poly A, Poly B, Poly C & Poly E)
<b>225391</b>	Salmonella H Antiserum Poly A (a, b, c, d, i, z <sub>10</sub> , z <sub>29</sub> )
<b>225401</b>	Salmonella H Antiserum Poly B (Groups eh, enx, enz <sub>15</sub> , G complex)
<b>225411</b>	Salmonella H Antiserum Poly C (Groups k, r, y, z, L complex and z <sub>4</sub> complex)
<b>225421</b>	Salmonella H Antiserum Poly D (z <sub>35</sub> , z <sub>36</sub> , z <sub>37</sub> , z <sub>38</sub> , z <sub>39</sub> , z <sub>41</sub> , z <sub>42</sub> )
<b>225431</b>	Salmonella H Antiserum Poly E (1 complex and z <sub>6</sub> )

*Ordering information continued on next page.*

## Ordering Information

### Cat. No. **SALMONELLA O SINGLE FACTOR ANTISERA**

Available in 3.0 mL packaged vials

<b>228141</b>	Salmonella O Antiserum Factor 2
<b>226591</b>	Salmonella O Antiserum Factor 4
<b>228151</b>	Salmonella O Antiserum Factors 4,5
<b>226601</b>	Salmonella O Antiserum Factor 5
<b>228161</b>	Salmonella O Antiserum Factor 7
<b>228171</b>	Salmonella O Antiserum Factor 8
<b>228181</b>	Salmonella O Antiserum Factor 9
<b>222571</b>	Salmonella O Antiserum Factor 10
<b>227791</b>	Salmonella O Antiserum Factor 12
<b>226611</b>	Salmonella O Antiserum Factor 14
<b>222581</b>	Salmonella O Antiserum Factor 15
<b>222591</b>	Salmonella O Antiserum Factor 19
<b>226621</b>	Salmonella O Antiserum Factor 20
<b>226631</b>	Salmonella O Antiserum Factor 22
<b>226641</b>	Salmonella O Antiserum Factor 23
<b>226661</b>	Salmonella O Antiserum Factor 25
<b>226671</b>	Salmonella O Antiserum Factor 27
<b>211778</b>	Salmonella O Antiserum Factor 34

### Cat. No. **SALMONELLA O POLY ANTISERA**

Available in 3.0 mL packaged vials

<b>225341</b>	Salmonella O Antiserum Poly A (Groups A, B, D, E <sub>1</sub> , E <sub>2</sub> , E <sub>3</sub> , E <sub>4</sub> , L)
<b>225351</b>	Salmonella O Antiserum Poly B (Groups C <sub>1</sub> , C <sub>2</sub> , F, G, H)
<b>225361</b>	Salmonella O Antiserum Poly C (Groups I, J, K, M, N, O)
<b>225371</b>	Salmonella O Antiserum Poly D (Groups P, Q, R, S, T, U)
<b>225381</b>	Salmonella O Antiserum Poly E (Groups V, W, X, Y, Z)
<b>226451</b>	Salmonella O Antiserum Poly F (Groups 51 - 55)
<b>226461</b>	Salmonella O Antiserum Poly G (Groups 56 - 61)

### Cat. No. **E. COLI ANTISERA**

Available in 3.0 mL packaged vials

<b>229701</b>	E. coli O Antiserum O157
<b>221591</b>	E. coli H Antiserum H7

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### CAT. NO. **SHIGELLA GROUPING ANTISERA**

Available in 3.0 mL packaged vials

<b>228341</b>	Shigella Antiserum Poly Group A ( <i>S. dysenteriae</i> Types 1-7)
<b>227761</b>	Shigella Antiserum Poly Group A <sub>1</sub> ( <i>S. dysenteriae</i> Types 8ab, 8ac, 9, 10)
<b>228351</b>	Shigella Antiserum Poly Group B ( <i>S. flexneri</i> Types 1-6)
<b>228361</b>	Shigella Antiserum Poly Group C ( <i>S. boydii</i> Types 1-7)
<b>227771</b>	Shigella Antiserum Poly Group C <sub>1</sub> ( <i>S. boydii</i> Types 8-13)
<b>227781</b>	Shigella Antiserum Poly Group C <sub>2</sub> ( <i>S. boydii</i> Types 14-18)
<b>228371</b>	Shigella Antiserum Poly Group D ( <i>S. sonnei</i> Types I & II)
<b>228381</b>	Alkalescens-Dispar Antiserum (Types 1-4)

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### Cat. No. **SHIGELLA QUALITY CONTROL ANTIGENS**

Available in 1.0 mL packaged vials

<b>221001</b>	QC Antigen Shigella Group A
<b>211737</b>	QC Antigen Shigella Group A <sub>1</sub>
<b>211738</b>	QC Antigen Shigella Group B
<b>221031</b>	QC Antigen Shigella Group C
<b>221041</b>	QC Antigen Shigella Group C <sub>1</sub>
<b>221051</b>	QC Antigen Shigella Group C <sub>2</sub>
<b>221061</b>	QC Antigen Shigella Group D
<b>221161</b>	QC Antigen Alkalescens-Dispar



**Cat. No. BORDETELLA ANTISERA & ANTIGEN**

Available in different packaged sizes

- 223781** Fluorescent-labeled Bordetella Parapertussis (Available in 5.0 mL packaged vials)
- 223591** Fluorescent-labeled Bordetella Pertussis (Available in 5.0 mL packaged vials)
- 223101** Bordetella Parapertussis Antiserum (Available in 1.0 mL packaged vials)
- 223091** Bordetella Pertussis Antiserum (Available in 1.0 mL packaged vials)
- 225851** Bordetella Pertussis Antigen (Available in 5.0 mL packaged vials)

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**Cat. No. INFLUENZAE ANTISERA**

Available in 3.0 mL packaged vials

- 222501** Haemophilus Influenzae Antiserum Type a
- 222361** Haemophilus Influenzae Antiserum Type b
- 227891** Haemophilus Influenzae Antiserum Type c
- 227901** Haemophilus Influenzae Antiserum Type d
- 227911** Haemophilus Influenzae Antiserum Type e
- 227921** Haemophilus Influenzae Antiserum Type f
- 222371** Haemophilus Influenzae Antiserum Poly (a, b, c, d, e, f)

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**Cat. No. LISTERIA O ANTISERA & ANTIGENS**

Available in different packaged sizes

- 223001** Listeria O Antiserum Type 1 (Available in 1.0 mL packaged vials)
- 223011** Listeria O Antiserum Type 4 (Available in 1.0 mL packaged vials)
- 223021** Listeria O Antiserum Poly (Types 1 & 4) (Available in 3.0 mL packaged vials)
- 223031** Listeria O Antigen Type 1 (SLIDE) (Available in 5.0 mL packaged vials)
- 223041** Listeria O Antigen Type 4 (SLIDE) (Available in 5.0 mL packaged vials)

**Cat. No. NEISSERIA MENINGITIDIS ANTISERA**

Available in 1.0 mL packaged vials

- 222281** Neisseria Meningitidis Antiserum Group A
- 222291** Neisseria Meningitidis Antiserum Group B
- 222301** Neisseria Meningitidis Antiserum Group C
- 222311** Neisseria Meningitidis Antiserum Group D
- 222531** Neisseria Meningitidis Antiserum Group W135
- 228801** Neisseria Meningitidis Antiserum Group X
- 228811** Neisseria Meningitidis Antiserum Group Y
- 228911** Neisseria Meningitidis Antiserum Group Z
- 222521** Neisseria Meningitidis Antiserum Group Z'
- 222321** Neisseria Meningitidis Antisera Poly (Groups A, B, C, D)
- 229101** Neisseria Meningitidis Antisera Poly 2 (Groups X, Y, Z)

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**Cat. No. VIBRIO CHOLERAЕ ANTISERA**

Available in 3.0 mL packaged vials

- 224301** Vibrio Cholerae Antiserum Inaba
- 224311** Vibrio Cholerae Antiserum Ogawa
- 224321** Vibrio Cholerae Antiserum Poly (Inaba & Ogawa)



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