

**CATALOG OF
IMMUNOLOGICAL AND MICROBIOLOGICAL
REFERENCE REAGENTS**

Prepared by the Biological Reagents Section
and distributed for reference use by the
Scientific Resources Branch,
Laboratory Division,
U.S. Center for Disease Control .

Revised Edition, 1973

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE
HEALTH SERVICES AND MENTAL HEALTH ADMINISTRATION
CENTER FOR DISEASE CONTROL
ATLANTA, GEORGIA 30333

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STATEMENT OF POLICIES GOVERNING THE
DISTRIBUTION OF CDC REFERENCE
REAGENTS

Reagents listed in this catalog are prepared, with few exceptions, at the Center for Disease Control (CDC) for distribution in limited volumes. Each reagent is evaluated to ensure compliance with specifications established by ad hoc panels of qualified experts selectively representing CDC, universities, other public health agencies, and industrial reagent producers. (See Bibliography)

The CDC recognizes that the combined efforts of the clinical, academic, public health, and industrial communities are required to maintain adequate, available supplies and a steady improvement in the quality and variety of laboratory reagents. Consequently, these reagents are intended to measure performance and to serve as reference points for comparison and standardization.

Consistent with these basic principles, distribution of CDC reagents is governed by the following policies.

1. Reagents produced by CDC are distributed in limited volumes for reference and control use. Recipients are advised to purchase working volumes from commercial sources or to prepare reagents as needed for their activities.
2. Distribution of reagents that have no commercially produced counterparts is less restricted but still subject to the CDC's inventory control. Distribution of such reagents for critical public health problems receives priority. Volumes of reagents for routine surveys cannot be committed.
3. Authorized recipients of CDC reagents include state and city public health agencies, and federal agencies including research and training activities within CDC; international public health agencies such as the World Health Organization and Pan American Health Organization; investigators supported by public health grant funds; private investigators; universities, medical centers, and other teaching and research facilities collaborating in the investigation of problems of interest to CDC, and industrial reagent producers.
4. The Scientific Resources Branch requests an annual projection at the beginning of each fiscal year from each State public health laboratory and CDC specialty and training laboratory for any reagent of which more than 20-ml volumes will be required annually. In these projections, the reagent is identified and the anticipated volume required is stated.

5. Where reimbursable arrangements apply, as for other federal agencies, the cost of reagents is supplied on request. All purchase orders are subject to an additional indirect charge equal to 20 percent of the total reagent cost for administration and transportation.
6. Venereal disease reagents, formerly listed in other CDC publications, are now included in the current issue of this catalog. Distribution of reference volumes will continue under the limitations applied to other microbiological reagents. It is our objective to support state public health laboratories, federal agencies providing hospital and outpatient clinical laboratory services and laboratories under foreign governments, either directly or through other international agencies. Commercial manufacturers and special research laboratories will be supplied reagents for reference and standardization use.

As part of the syphilis serology standardization service, reference dehydrated human serum with predetermined reactivity patterns will continue to be distributed. Quantities are limited for reference use to check the reactivity of purchased control serum or to standardize serum prepared in your laboratory.

7. All inquiries for reagents should be directed to:

Center for Disease Control
Attn: Dr. Andrew R. Fodor
Chief, Scientific Resources Branch
Atlanta, Georgia 30333

THE REAGENTS LISTED IN THIS CATALOG ARE FOR LABORATORY USE ONLY AND ARE NOT INTENDED FOR HUMAN ADMINISTRATION.

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE

Health Services and Mental Health Administration
Center for Disease Control
Atlanta, Georgia 30333

ABBREVIATIONS

ABS	Absorbed
ART	Automated Reagin Test
Aggl.	Agglutination
CF	Complement Fixation
FA	Fluorescent Antibody
FITC	Fluorescein Isothiocyanate
FTA	Fluorescent Treponemal Antibody
HAI	Hemagglutination-inhibition
IHA	Indirect Hemagglutination
ID	Immunodiffusion
Neut.	Neutralization
Ppt.	Precipitation or precipitin
Quel.	Quellung
RPR	Rapid Plasma Reagin
STS	Serologic Tests for Syphilis
USR	Unheated Serum Reagin
VDRL	Venereal Disease Research Laboratory

Abbreviations used in the labeling of the reagents are explained in the accompanying literature.

Other inquiries about the source and use of reagents should be referred to the Scientific Resources Branch.

BACTERIAL REFERENCE CULTURES

BACTERIAL REFERENCE CULTURES

Product	Recommended Use	Catalog Number	vial
<u>Klebsiella</u>			
<u>Cultures (pneumoniae)</u>			
Type 1	Typing Control	BZ-5086-00	1 ea.
Type 2	Typing Control	BZ-5087-00	1 ea.
<u>Culture (rhinoscleromatis)</u>			
Type 3	Typing Control	BZ-5088-00	1 ea.
<u>Culture (ozoenae)</u>			
Type 4	Typing Control	BZ-5089-00	1 ea.
<u>Cultures (pneumoniae)</u>			
Type 5	Typing Control	BZ-5090-00	1 ea.
Type 6	Typing Control	BZ-5091-00	1 ea.
Type 7	Typing Control	BZ-5092-00	1 ea.
Type 8	Typing Control	BZ-5093-00	1 ea.
Type 9	Typing Control	BZ-5094-00	1 ea.
Type 10	Typing Control	BZ-5095-00	1 ea.
Type 11	Typing Control	BZ-5096-00	1 ea.
Type 12	Typing Control	BZ-5097-00	1 ea.
Type 13	Typing Control	BZ-5098-00	1 ea.
Type 14	Typing Control	BZ-5099-00	1 ea.
Type 15	Typing Control	BZ-5100-00	1 ea.
Type 16	Typing Control	BZ-5101-00	1 ea.
Type 17	Typing Control	BZ-5102-00	1 ea.

BACTERIAL REFERENCE CULTURES

Product	Recommended Use	Catalog Number	vial
<u>Klebsiella (contd)</u>			
<u>Cultures (pneumoniae)</u>			
Type 18	Typing Control	BZ-5103-00	1 ea.
Type 19	Typing Control	BZ-5104-00	1 ea.
Type 20	Typing Control	BZ-5105-00	1 ea.
Type 21	Typing Control	BZ-5106-00	1 ea.
Type 22	Typing Control	BZ-5107-00	1 ea.
Type 23	Typing Control	BZ-5108-00	1 ea.
Type 24	Typing Control	BZ-5109-00	1 ea.
Type 25	Typing Control	BZ-5110-00	1 ea.
Type 26	Typing Control	BZ-5111-00	1 ea.
Type 27	Typing Control	BZ-5112-00	1 ea.
Type 28	Typing Control	BZ-5113-00	1 ea.
Type 29	Typing Control	BZ-5114-00	1 ea.
Type 30	Typing Control	BZ-5115-00	1 ea.
Type 31	Typing Control	BZ-5116-00	1 ea.
Type 32	Typing Control	BZ-5117-00	1 ea.
Type 33	Typing Control	BZ-5118-00	1 ea.
Type 34	Typing Control	BZ-5119-00	1 ea.
Type 35	Typing Control	BZ-5120-00	1 ea.
Type 36	Typing Control	BZ-5121-00	1 ea.
Type 37	Typing Control	BZ-5122-00	1 ea.
Type 38	Typing Control	BZ-5123-00	1 ea

BACTERIAL REFERENCE CULTURES

Product	Recommended Use	Catalog Number	vial
<u>Klebsiella (contd)</u>			
<u>Cultures (pneumoniae)</u>			
Type 39	Typing Control	BZ-5124-00	1 ea.
Type 40	Typing Control	BZ-5125-00	1 ea.
Type 41	Typing Control	BZ-5126-00	1 ea.
Type 42	Typing Control	BZ-5127-00	1 ea.
Type 43	Typing Control	BZ-5128-00	1 ea.
Type 44	Typing Control	BZ-5129-00	1 ea.
Type 45	Typing Control	BZ-5130-00	1 ea.
Type 46	Typing Control	BZ-5131-00	1 ea.
Type 47	Typing Control	BZ-5132-00	1 ea.
Type 48	Typing Control	BZ-5133-00	1 ea.
Type 49	Typing Control	BZ-5134-00	1 ea.
Type 50	Typing Control	BZ-5135-00	1 ea.
Type 51	Typing Control	BZ-5136-00	1 ea.
Type 52	Typing Control	BZ-5137-00	1 ea.
Type 53	Typing Control	BZ-5138-00	1 ea.
Type 54	Typing Control	BZ-5139-00	1 ea.
Type 55	Typing Control	BZ-5140-00	1 ea.
Type 56	Typing Control	BZ-5141-00	1 ea.
Type 57	Typing Control	BZ-5142-00	1 ea.

BACTERIAL REFERENCE CULTURES

Product	Recommended Use	Catalog Number	vial
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Klebsiella (contd)

Cultures (pneumoniae)

Type 58	Typing Control	BZ-5143-00	1 ea.
Type 59	Typing Control	BZ-5144-00	1 ea.
Type 60	Typing Control	BZ-5145-00	1 ea.
Type 61	Typing Control	BZ-5146-00	1 ea.
Type 62	Typing Control	BZ-5147-00	1 ea.
Type 63	Typing Control	BZ-5148-00	1 ea.
Type 64	Typing Control	BZ-5149-00	1 ea.
Type 65	Typing Control	BZ-5150-00	1 ea.
Type 66	Typing Control	BZ-5151-00	1 ea.
Type 67	Typing Control	BZ-5152-00	1 ea.
Type 68	Typing Control	BZ-5153-00	1 ea.
Type 69	Typing Control	BZ-5154-00	1 ea.
Type 70	Typing Control	BZ-5155-00	1 ea.
Type 71	Typing Control	BZ-5156-00	1 ea.
Type 72	Typing Control	BZ-5157-00	1 ea.

BACTERIAL REFERENCE CULTURES

Product	Recommended Use	Catalog Number	vial
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Staphylococcus aureus, Bacterial CulturesCultures

Strain 3A	*Phage propagation	BZ-2501-00	1 ea.
Strain 3C	Phage propagation	BZ-2503-00	1 ea.
Strain 6	Phage propagation	BZ-2504-00	1 ea.
Strain 29	Phage propagation	BZ-2506-00	1 ea.
Strain 42C	Phage propagation	BZ-2530-00	1 ea.
Strain 42D	Phage propagation	BZ-2509-00	1 ea.
Strain 42E	Phage propagation	BZ-2510-00	1 ea.
Strain 47	Phage propagation	BZ-2512-00	1 ea.
Strain 52	Phage propagation	BZ-2513-00	1 ea.
Strain 52A/79	Phage propagation	BZ-2514-00	1 ea.
Strain 53	Phage propagation	BZ-2515-00	1 ea.
Strain 54	Phage propagation	BZ-2516-00	1 ea.
Strain 55	Phage propagation	BZ-2517-00	1 ea.
Strain 71	Phage propagation	BZ-2519-00	1 ea.
Strain 75	Phage propagation	BZ-2521-00	1 ea.
Strain 77	Phage propagation	BZ-2522-00	1 ea.
Strain 80	Phage propagation	BZ-2524-00	1 ea.
Strain 81	Phage propagation	BZ-2525-00	1 ea.
Strain 83A	Phage propagation	BZ-2528-00	1 ea.
Strain 84	Phage propagation	BZ-2534-00	1 ea.

*Also used for phage testing

BACTERIAL REFERENCE CULTURES

Product	Recommended Use	Catalog Number	vial
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Staphylococcus aureus, Bacterial Cultures (contd)Cultures

Strain 85	Phage propagation	BZ-2535-00	1 ea.
Strain 187	Phage propagation	BZ-2526-00	1 ea.
Strain 2009	Phage propagation	BZ-2531-00	1 ea.
Strain 8719	Phage propagation	BZ-2532-00	1 ea.

BACTERIAL REFERENCE CULTURES

Product	Recommended Use	Catalog Number	ml vial
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Staphylococcus aureus, bacteriophagesBacteriophages

Phage 3A	Typing	BY-2501-00	3
Phage 3C	Typing	BY-2503-00	3
Phage 6	Typing	BY-2504-00	3
Phage 29	Typing	BY-2506-00	3
Phage 42D	Typing	BY-2509-00	3
Phage 42E	Typing	BY-2510-00	3
Phage 47	Typing	BY-2512-00	3
Phage 52	Typing	BY-2513-00	3
Phage 52A	Typing	BY-2514-00	3
Phage 53	Typing	BY-2515-00	3
Phage 54	Typing	BY-2516-00	3
Phage 55	Typing	BY-2517-00	3
Phage 71	Typing	BY-2519-00	3
Phage 75	Typing	BY-2521-00	3
Phage 77	Typing	BY-2522-00	3
Phage 79	Typing	BY-2523-00	3
Phage 80	Typing	BY-2524-00	3
Phage 81	Typing	BY-2525-00	3
Phage 83A	Typing	BY-2528-00	3
Phage 84	Typing	BY-2534-00	3

BACTERIAL REFERENCE CULTURES

Product	Recommended Use	Catalog Number	ml vial
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Staphylococcus aureus, bacteriophages (contd)

Bacteriophages

Phage 85	Typing	BY-2535-00	3
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Phage 187	Typing	BY-2526-00	3
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BACTERIAL REFERENCE REAGENTS

BACTERIAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	ml Vial
<u>Arizona</u>				
Serum, immune				
Polyvalent 1	Rabbit	Aggl.	BN-4998-300	5
Polyvalent 2	Rabbit	Aggl.	BN-4999-300	5
<u>Bordetella pertussis</u>				
Serum, immune	Goat	Aggl.	BN-2125-140	5
Globulin FITC, immune	Rabbit	Direct FA	B2-2125-300	1
<u>Bruceella</u>				
Antigen, Br. abortus*		Aggl.	BE-2002	5
Serum, immune	Bovine	Aggl.	BN-2002-010	2
Serum, immune	Human	Aggl.	BN-2002-210	2

*A standard suspension prepared by USDA, distributed by CDC.

BACTERIAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	ml Vial
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Clostridium botulinum

Serum, antitoxin

Type A	Horse	Mouse Neut	BW-2033-200	3**
Type B	Horse	Mouse Neut	BW-2034-200	23.4**
Type C	Horse	Mouse Neut	BW-2035-200	17.6**
Type D	Horse	Mouse Neut	BW-2036-200	15.0**
Type E	Horse	Mouse Neut	BW-2037-200	11.4**
Type F	Horse	Mouse Neut	BW-2038-200	4.0**

Serum, antitoxin

Polyvalent (A-F)	Burro	Mouse Neut	BW-2086-020	3***
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Clostridium perfringens

Serum, immune

Type 1	Rabbit	Aggl.	BN-2010-30	2
Type 2	Rabbit	Aggl.	BN-2011-30	2
Type 3	Rabbit	Aggl.	BN-2012-30	2
Type 4	Rabbit	Aggl.	BN-2013-30	2
Type 5	Rabbit	Aggl.	BN-2014-30	2
Type 6	Rabbit	Aggl.	BN-2015-30	2

**Each ml of individual type contains approximately 10 International units.

***Each ml of the polyvalent sera contains the following International units: (A) 33; (B) 11.8; (C) 40.0; (D) 111.0; (E) 200.0; (F) 3.3.

BACTERIAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	ml Vial
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Clostridium perfringens (contd)

Serum, immune

Type 7	Rabbit	Aggl.	BN-2016-30	2
Type 8	Rabbit	Aggl.	BN-2017-30	2
Type 9	Rabbit	Aggl.	BN-2018-30	2
Type 10	Rabbit	Aggl.	BN-2019-30	2
Type 11	Rabbit	Aggl.	BN-2020-30	2
Type 12	Rabbit	Aggl.	BN-2021-30	2
Type 13	Rabbit	Aggl.	BN-2022-30	2

Corynebacterium diphtheriae

Serum, antitoxin	Horse	In Vitro Toxigenicity Test	BW-2042-200	5
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Escherichia coli "H"

Serum, immune

H1	Rabbit	Aggl.	BN-3680-300	2
H2	Rabbit	Aggl.	BN-3681-300	2
H3	Rabbit	Aggl.	BN-3682-300	2
H4	Rabbit	Aggl.	BN-3683-300	2
H5	Rabbit	Aggl.	BN-3684-300	2
H6	Rabbit	Aggl.	BN-3685-300	2
H7	Rabbit	Aggl.	BN-3686-300	2

BACTERIAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	<u>ml</u> <u>Vial</u>
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Escherichia coli "H" (contd)

Serum, immune

H8	Rabbit	Aggl.	BN-3687-300	2
H9	Rabbit	Aggl.	BN-3688-300	2
H10	Rabbit	Aggl.	BN-3689-300	2
H11	Rabbit	Aggl.	BN-3690-300	2
H12	Rabbit	Aggl.	BN-3691-300	2
H14	Rabbit	Aggl.	BN-3693-300	2
H15	Rabbit	Aggl.	BN-3694-300	2
H16	Rabbit	Aggl.	BN-3695-300	2
H17	Rabbit	Aggl.	BN-3696-300	2
H18	Rabbit	Aggl.	BN-3697-300	2
H19	Rabbit	Aggl.	BN-3698-300	2
H20	Rabbit	Aggl.	BN-3699-300	2
H21	Rabbit	Aggl.	BN-3700-300	2
H23	Rabbit	Aggl.	BN-3702-300	2
H24	Rabbit	Aggl.	BN-3703-300	2
H25	Rabbit	Aggl.	BN-3704-300	2
H26	Rabbit	Aggl.	BN-3705-300	2
H27	Rabbit	Aggl.	BN-3706-300	2
H28	Rabbit	Aggl.	BN-3707-300	2

BACTERIAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	<u>ml</u> <u>Vial</u>
<u>Escherichia coli "H" (contd)</u>				
Serum, immune				
H29	Rabbit	Aggl.	BN-3708-300	2
H30	Rabbit	Aggl.	BN-3709-300	2
H31	Rabbit	Aggl.	BN-3710-300	2
H32	Rabbit	Aggl.	BN-3711-300	2
H33	Rabbit	Aggl.	BN-3712-300	2
H34	Rabbit	Aggl.	BN-3713-300	2
H35	Rabbit	Aggl.	BN-3714-300	2
H36	Rabbit	Aggl.	BN-3715-300	2
H37	Rabbit	Aggl.	BN-3716-300	2
H38	Rabbit	Aggl.	BN-3717-300	2
H39	Rabbit	Aggl.	BN-3718-300	2
H40	Rabbit	Aggl.	BN-3719-300	2
H41	Rabbit	Aggl.	BN-3720-300	2
H42	Rabbit	Aggl.	BN-3721-300	2
H43	Rabbit	Aggl.	BN-3722-300	2
H44	Rabbit	Aggl.	BN-3723-300	2
H45	Rabbit	Aggl.	BN-3724-300	2
H46	Rabbit	Aggl.	BN-3725-300	2
H47	Rabbit	Aggl.	BN-3726-300	2

BACTERIAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	ml Vial
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Escherichia coli "H" (contd)

Serum, immune

H48	Rabbit	Aggl.	BN-3727-300	2
H49	Rabbit	Aggl.	BN-3728-300	2

Escherichia coli "K, O"

Serum, immune

K58(B4):0111	Rabbit	Aggl.	BN-3557-300	2
K59(B5):055	Rabbit	Aggl.	BN-3558-300	2
K60(B6):026	Rabbit	Aggl.	BN-3559-300	2
K61(B7):086a	Rabbit	Aggl.	BN-3560-300	2
K63(B8):0127a	Rabbit	Aggl.	BN-3562-300	2
K66(B11):0112ac	Rabbit	Aggl.	BN-3565-300	2
K67(B12):0128ab	Rabbit	Aggl.	BN-3566-300	2
K68(B13):0112ab	Rabbit	Aggl.	BN-3567-300	2
K69(B14):0119	Rabbit	Aggl.	BN-3568-300	2
K70(B15):0125ab	Rabbit	Aggl.	BN-3569-300	2
K71(B16):0126	Rabbit	Aggl.	BN-3570-300	2
K74(L):044	Rabbit	Aggl.	BN-3573-300	2
K81(B):0138	Rabbit	Aggl.	BN-3580-300	2
K82(B):0139	Rabbit	Aggl.	BN-3581-300	2

BACTERIAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	ml Vial
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Escherichia coli "K, O" (contd)

Globulin FITC, immune

Pool 1 (contains four components listed below)	Rabbit	Direct FA	B2-3599-300	5
K58(B4):0111	Rabbit	Direct FA	B2-3557-300	10
K59(B5):055	Rabbit	Direct FA	B2-3558-300	10
K60(B6):026	Rabbit	Direct FA	B2-3559-300	10
K6(B8):0127a	Rabbit	Direct FA	B2-3562-300	10
Pool 2 (contains five components listed below)	Rabbit	Direct FA	B2-3600-300	5
K61(B7):086a	Rabbit	Direct FA	B2-3560-300	10
K86(B12):0128ab	Rabbit	Direct FA	B2-3566-300	10
K69(B14):0119	Rabbit	Direct FA	B2-3568-300	10
K70(B15):0125	Rabbit	Direct FA	B2-3569-300	10
K71(B16):0126	Rabbit	Direct FA	B2-3570-300	10

Escherichia coli "O"

Serum, Immune

01ab	Rabbit	Aggl.	BN-3200-300	2
02ab	Rabbit	Aggl.	BN-3201-300	2
03	Rabbit	Aggl.	BN-3202-300	2
04	Rabbit	Aggl.	BN-3203-300	2

BACTERIAL REFERENCE REAGENTS

Product	Recommended Use	Catalog Number	ml Vial
<u>Escherichia coli "O" (contd)</u>			
Serum, immune			
05	Rabbit Aggl.	BN-3204-300	2
06	Rabbit Aggl.	BN-3205-300	2
07	Rabbit Aggl.	BN-3206-300	2
08	Rabbit Aggl.	BN-3207-300	2
09	Rabbit Aggl.	BN-3208-300	2
010	Rabbit Aggl.	BN-3209-300	2
011	Rabbit Aggl.	BN-3210-300	2
012	Rabbit Aggl.	BN-3211-300	2
013	Rabbit Aggl.	BN-3212-300	2
014	Rabbit Aggl.	BN-3213-300	2
015	Rabbit Aggl.	BN-3214-300	2
016	Rabbit Aggl.	BN-3215-300	2
017	Rabbit Aggl.	BN-3216-300	2
018ab	Rabbit Aggl.	BN-3217-300	2
018ac	Rabbit Aggl.	BN-3218-300	2
019ab	Rabbit Aggl.	BN-3220-300	2
020ab	Rabbit Aggl.	BN-3221-300	2
021	Rabbit Aggl.	BN-3222-300	2
022	Rabbit Aggl.	BN-3223-300	2
023	Rabbit Aggl.	BN-3224-300	2
024	Rabbit Aggl.	BN-3225-300	2
025	Rabbit Aggl.	BN-3226-300	2

BACTERIAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	ml Vial
<u>Escherichia coli "O" (contd)</u>				
Serum, immune				
026ab	Rabbit	Aggl.	BN-3227-300	2
027	Rabbit	Aggl.	BN-3228-300	2
028ab	Rabbit	Aggl.	BN-3229-300	2
028ac	Rabbit	Aggl.	BN-3230-300	2
029	Rabbit	Aggl.	BN-3231-300	2
030	Rabbit	Aggl.	BN-3232-300	2
032	Rabbit	Aggl.	BN-3233-300	2
033	Rabbit	Aggl.	BN-3234-300	2
034	Rabbit	Aggl.	BN-3235-300	2
035	Rabbit	Aggl.	BN-3236-300	2
036	Rabbit	Aggl.	BN-3237-300	2
037	Rabbit	Aggl.	BN-3238-300	2
038	Rabbit	Aggl.	BN-3239-300	2
039	Rabbit	Aggl.	BN-3240-300	2
040	Rabbit	Aggl.	BN-3241-300	2
041	Rabbit	Aggl.	BN-3242-300	2
042	Rabbit	Aggl.	BN-3243-300	2
043	Rabbit	Aggl.	BN-3244-300	2
044	Rabbit	Aggl.	BN-3245-300	2
045	Rabbit	Aggl.	BN-3246-300	2
046	Rabbit	Aggl.	BN-3247-300	2
048	Rabbit	Aggl.	BN-3248-300	2

BACTERIAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	ml Vial
<u>Escherichia coli "O"</u> (contd)				
Serum, immune				
049	Rabbit	Aggl.	BN-3249-300	2
050	Rabbit	Aggl.	BN-3250-300	2
051	Rabbit	Aggl.	BN-3251-300	2
052	Rabbit	Aggl.	BN-3252-300	2
053	Rabbit	Aggl.	BN-3253-300	2
054	Rabbit	Aggl.	BN-3254-300	2
055	Rabbit	Aggl.	BN-3255-300	2
056	Rabbit	Aggl.	BN-3256-300	2
058	Rabbit	Aggl.	BN-3258-300	2
059	Rabbit	Aggl.	BN-3259-300	2
060	Rabbit	Aggl.	BN-3260-300	2
061	Rabbit	Aggl.	BN-3261-300	2
062	Rabbit	Aggl.	BN-3262-300	2
063	Rabbit	Aggl.	BN-3263-300	2
064	Rabbit	Aggl.	BN-3264-300	2
065	Rabbit	Aggl.	BN-3265-300	2
066	Rabbit	Aggl.	BN-3266-300	2
068	Rabbit	Aggl.	BN-3267-300	2
069	Rabbit	Aggl.	BN-3268-300	2
070	Rabbit	Aggl.	BN-3269-300	2

BACTERIAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	ml Vial
<u>Escherichia coli "O"</u> (contd)				
Serum, immune				
071	Rabbit	Aggl.	BN-3270-300	2
073	Rabbit	Aggl.	BN-3271-300	2
074	Rabbit	Aggl.	BN-3272-300	2
075	Rabbit	Aggl.	BN-3273-300	2
076	Rabbit	Aggl.	BN-3274-300	2
077	Rabbit	Aggl.	BN-3275-300	2
078	Rabbit	Aggl.	BN-3276-300	2
079	Rabbit	Aggl.	BN-3277-300	2
080	Rabbit	Aggl.	BN-3278-300	2
081	Rabbit	Aggl.	BN-3279-300	2
082	Rabbit	Aggl.	BN-3280-300	2
083	Rabbit	Aggl.	BN-3281-300	2
084	Rabbit	Aggl.	BN-3282-300	2
085	Rabbit	Aggl.	BN-3283-300	2
086a	Rabbit	Aggl.	BN-3284-300	2
088	Rabbit	Aggl.	BN-3287-300	2
089	Rabbit	Aggl.	BN-3288-300	2
090	Rabbit	Aggl.	BN-3289-300	2
091	Rabbit	Aggl.	BN-3290-300	2

BACTERIAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	ml Vial
<u>Escherichia coli "O" (contd)</u>				
Serum, immune				
092	Rabbit	Aggl.	BN-3291-300	2
093	Rabbit	Aggl.	BN-3292-300	2
096	Rabbit	Aggl.	BN-3294-300	2
097	Rabbit	Aggl.	BN-3295-300	2
098	Rabbit	Aggl.	BN-3296-300	2
099	Rabbit	Aggl.	BN-3297-300	2
0100	Rabbit	Aggl.	BN-3298-300	2
0101	Rabbit	Aggl.	BN-3299-300	2
0102	Rabbit	Aggl.	BN-3300-300	2
0103	Rabbit	Aggl.	BN-3301-300	2
0104	Rabbit	Aggl.	BN-3302-300	2
0105ab	Rabbit	Aggl.	BN-3366-300	2
0105ac	Rabbit	Aggl.	BN-3367-300	2
0106	Rabbit	Aggl.	BN-3304-300	2
0108	Rabbit	Aggl.	BN-3306-300	2
0109	Rabbit	Aggl.	BN-3307-300	2
0110	Rabbit	Aggl.	BN-3308-300	2
0111ab	Rabbit	Aggl.	BN-3309-300	2
0111ac	Rabbit	Aggl.	BN-3310-300	2
0112ab	Rabbit	Aggl.	BN-3311-300	2

BACTERIAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	<u>ml</u> <u>Vial</u>
<u>Escherichia coli "O" (contd)</u>				
Serum, immune				
0112ac	Rabbit	Aggl.	BN-3312-300	2
0113	Rabbit	Aggl.	BN-3313-300	2
0114	Rabbit	Aggl.	BN-3314-300	2
0115	Rabbit	Aggl.	BN-3315-300	2
0116	Rabbit	Aggl.	BN-3316-300	2
0117	Rabbit	Aggl.	BN-3317-300	2
0118	Rabbit	Aggl.	BN-3318-300	2
0119	Rabbit	Aggl.	BN-3319-300	2
0120	Rabbit	Aggl.	BN-3320-300	2
0121	Rabbit	Aggl.	BN-3321-300	2
0123	Rabbit	Aggl.	BN-3322-300	2
0124	Rabbit	Aggl.	BN-3323-300	2
0125ab	Rabbit	Aggl.	BN-3324-300	2
0125ac	Rabbit	Aggl.	BN-3325-300	2
0126	Rabbit	Aggl.	BN-3326-300	2
0127a	Rabbit	Aggl.	BN-3327-300	2
0128ab	Rabbit	Aggl.	BN-3329-300	2
0128ac	Rabbit	Aggl.	BN-3330-300	2
0129	Rabbit	Aggl.	BN-3331-300	2
0130	Rabbit	Aggl.	BN-3332-300	2

BACTERIAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	ml Vial
<u>Escherichia coli "O" (contd)</u>				
Serum, immune				
0131	Rabbit	Aggl.	BN-3333-300	2
0132	Rabbit	Aggl.	BN-3334-300	2
0133	Rabbit	Aggl.	BN-3335-300	2
0134	Rabbit	Aggl.	BN-3336-300	2
0135	Rabbit	Aggl.	BN-3337-300	2
0136	Rabbit	Aggl.	BN-3338-300	2
0137	Rabbit	Aggl.	BN-3339-300	2
0138	Rabbit	Aggl.	BN-3340-300	2
0139	Rabbit	Aggl.	BN-3341-300	2
0140	Rabbit	Aggl.	BN-3342-300	2
0141ac	Rabbit	Aggl.	BN-3360-300	2
0142	Rabbit	Aggl.	BN-3344-300	2
0143	Rabbit	Aggl.	BN-3345-300	2
0144	Rabbit	Aggl.	BN-3346-300	2
0145	Rabbit	Aggl.	BN-3361-300	2
0146	Rabbit	Aggl.	BN-3362-300	2
0147	Rabbit	Aggl.	BN-3365-300	2
0150	Rabbit	Aggl.	BN-3370-300	2

BACTERIAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	ml Vial
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Escherichia coli (biotype Alkalescens-Dispar)

Serum, immune

Type 1	Rabbit	Aggl.	BN-4001-300	2
Type 2	Rabbit	Aggl.	BN-4002-300	2
Type 3	Rabbit	Aggl.	BN-4003-300	2
Type 4	Rabbit	Aggl.	BN-4004-300	2

Francisella tularensis

Antigen		Aggl.	BE-2326-000	5.0
Serum, immune	Burro	Aggl.	BN-2326-020	5.0
Serum, immune	Human	Aggl.	BN-2326-210	1.0
Globulin FITC, immune	Horse	Direct FA	B2-2326-200	1.0

Hemophilus influenzae

Serum, immune

Type a	Rabbit	Aggl. & Que1.	BK-2109-300	1
Type b	Rabbit	Aggl. & Que1.	BK-2110-300	1
Type c	Rabbit	Aggl. & Que1.	BK-2111-300	1
Type d	Rabbit	Aggl. & Que1.	BK-2112-300	1
Type e	Rabbit	Aggl. & Que1.	BK-2113-300	1
Type f	Rabbit	Aggl. & Que1.	BK-2114-300	1
Polyvalent (a-f)	Rabbit	Aggl. & Que1.	BK-2115-300	1

BACTERIAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	ml Vial
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Hemophilus influenzae (contd)

Globulin FITC, immune

Type b	Rabbit	Direct FA	B2-2110-300	1
Polyvalent (a-f)	Rabbit	Direct FA	B2-2115-300	1

Klebsiella

Serum, immune (pneumoniae)

Type 1	Rabbit	Aggl. & Quel.	BK-5086-300	3
Type 2	Rabbit	Aggl. & Quel.	BK-5087-300	3

Serum, immune (rhinoscleromatis)

Type 3	Rabbit	Aggl. & Quel.	BK-5088-300	3
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Serum, immune (ozoenae)

Type 4	Rabbit	Aggl. & Quel.	BK-5089-300	3
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Serum, immune (pneumoniae)

Type 5	Rabbit	Aggl. & Quel.	BK-5090-300	3
Type 6	Rabbit	Aggl. & Quel.	BK-5091-300	3
Type 7	Rabbit	Aggl. & Quel.	BK-5092-300	3
Type 8	Rabbit	Aggl. & Quel.	BK-5093-300	3
Type 9	Rabbit	Aggl. & Quel.	BK-5094-300	3
Type 10	Rabbit	Aggl. & Quel.	BK-5095-300	3
Type 11	Rabbit	Aggl. & Quel.	BK-5096-300	3
Type 12	Rabbit	Aggl. & Quel.	BK-5097-300	3

BACTERIAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	<u>ml</u> <u>Vial</u>
<u>Klebsiella</u> (contd)				
Serum, immune				
Type 13	Rabbit	Aggl. & Quel.	BK-5098-300	3
Type 14	Rabbit	Aggl. & Quel.	BK-5099-300	3
Type 15	Rabbit	Aggl. & Quel.	BK-5100-300	3
Type 16	Rabbit	Aggl. & Quel.	BK-5101-300	3
Type 17	Rabbit	Aggl. & Quel.	BK-5102-300	3
Type 18	Rabbit	Aggl. & Quel.	BK-5103-300	3
Type 19	Rabbit	Aggl. & Quel.	BK-5104-300	3
Type 20	Rabbit	Aggl. & Quel.	BK-5105-300	3
Type 21	Rabbit	Aggl. & Quel.	BK-5106-300	3
Type 22	Rabbit	Aggl. & Quel.	BK-5107-300	3
Type 23	Rabbit	Aggl. & Quel.	BK-5108-300	3
Type 24	Rabbit	Aggl. & Quel.	BK-5109-300	3
Type 25	Rabbit	Aggl. & Quel.	BK-5110-300	3
Type 26	Rabbit	Aggl. & Quel.	BK-5111-300	3
Type 27	Rabbit	Aggl. & Quel.	BK-5112-300	3
Type 28	Rabbit	Aggl. & Quel.	BK-5113-300	3
Type 29	Rabbit	Aggl. & Quel.	BK-5114-300	3
Type 30	Rabbit	Aggl. & Quel.	BK-5115-300	3
Type 31	Rabbit	Aggl. & Quel.	BK-5116-300	3

BACTERIAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	<u>ml</u> <u>Vial</u>
<u>Klebsiella</u> (contd)				
Serum, Immune				
Type 32	Rabbit	Aggl. & Quel.	BK-5117-300	3
Type 33	Rabbit	Aggl. & Quel.	BK-5118-300	3
Type 34	Rabbit	Aggl. & Quel.	BK-5119-300	3
Type 35	Rabbit	Aggl. & Quel.	BK-5120-300	3
Type 36	Rabbit	Aggl. & Quel.	BK-5121-300	3
Type 37	Rabbit	Aggl. & Quel.	BK-5122-300	3
Type 38	Rabbit	Aggl. & Quel.	BK-5123-300	3
Type 39	Rabbit	Aggl. & Quel.	BK-5124-300	3
Type 40	Rabbit	Aggl. & Quel.	BK-5125-300	3
Type 41	Rabbit	Aggl. & Quel.	BK-5126-300	3
Type 42	Rabbit	Aggl. & Quel.	BK-5127-300	3
Type 43	Rabbit	Aggl. & Quel.	BK-5128-300	3
Type 44	Rabbit	Aggl. & Quel.	BK-5129-300	3
Type 45	Rabbit	Aggl. & Quel.	BK-5130-300	3
Type 46	Rabbit	Aggl. & Quel.	BK-5131-300	3
Type 47	Rabbit	Aggl. & Quel.	BK-5132-300	3
Type 48	Rabbit	Aggl. & Quel.	BK-5133-300	3
Type 49	Rabbit	Aggl. & Quel.	BK-5134-300	3
Type 50	Rabbit	Aggl. & Quel.	BK-5135-300	3

BACTERIAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	<u>ml</u> <u>Vial</u>
<u>Klebsiella</u> (contd)				
Serum, immune				
Type 51	Rabbit	Aggl. & Quel.	BK-5136-300	3
Type 52	Rabbit	Aggl. & Quel.	BK-5137-300	3
Type 53	Rabbit	Aggl. & Quel.	BK-5138-300	3
Type 54	Rabbit	Aggl. & Quel.	BK-5139-300	3
Type 55	Rabbit	Aggl. & Quel.	BK-5140-300	3
Type 56	Rabbit	Aggl. & Quel.	BK-5141-300	3
Type 57	Rabbit	Aggl. & Quel.	BK-5142-300	3
Type 58	Rabbit	Aggl. & Quel.	BK-5143-300	3
Type 59	Rabbit	Aggl. & Quel.	BK-5144-300	3
Type 60	Rabbit	Aggl. & Quel.	BK-5145-300	3
Type 61	Rabbit	Aggl. & Quel.	BK-5146-300	3
Type 62	Rabbit	Aggl. & Quel.	BK-5147-300	3
Type 63	Rabbit	Aggl. & Quel.	BK-5148-300	3
Type 64	Rabbit	Aggl. & Quel.	BK-5149-300	3
Type 65	Rabbit	Aggl. & Quel.	BK-5150-300	3
Type 66	Rabbit	Aggl. & Quel.	BK-5151-300	3
Type 67	Rabbit	Aggl. & Quel.	BK-5152-300	3
Type 68	Rabbit	Aggl. & Quel.	BK-5153-300	3
Type 69	Rabbit	Aggl. & Quel.	BK-5154-300	3

BACTERIAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	<u>ml</u> <u>Vial</u>
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Klebsiella (contd)

Serum, immune

Type 70	Rabbit	Aggl. & Quel.	BK-5155-300	3
Type 71	Rabbit	Aggl. & Quel.	BK-5156-300	3
Type 72	Rabbit	Aggl. & Quel.	BK-5157-300	3

BACTERIAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	ml Vial
<u>Leptospira</u>				
Serum, immune				
Polyvalent	Human	Aggl.	BN-2135-210	1
Serum, normal	Human	Aggl.	BU-2135-210	1
<u>Serotype australis</u>				
Serum, immune	Rabbit	Aggl.	BN-2144-300	2
<u>Serotype autumnalis</u>				
Serum, immune	Rabbit	Aggl.	BN-2141-300	2
<u>Serotype ballum</u>				
Serum, immune	Rabbit	Aggl.	BN-2143-300	2
<u>Serotype bataviae</u>				
Serum, immune	Rabbit	Aggl.	BN-2137-300	2
<u>Serotype butembo</u>				
Serum immune	Rabbit	Aggl.	BN-2161-300	2

BACTERIAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	ml Vial
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Leptospira (contd)

Serotype canicola

Serum, immune	Rabbit	Aggl.	BN-2138-300	2
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Serotype copenhageni

Serum, immune	Rabbit	Aggl.	BN-2136-300	2
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Serotype fort bragg

Serum, immune	Rabbit	Aggl.	BN-2162-300	2
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Serotype georgia

Serum, immune	Rabbit	Aggl.	BN-2147-300	2
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Serotype grippotyphosa

Serum, immune	Rabbit	Aggl.	BN-2142-300	2
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Serotype javanica

Serum, immune	Rabbit	Aggl.	BN-2163-300	2
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BACTERIAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	ml Vial
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Leptospira (contd)Serotype pomona

Serum, immune	Bovine	Aggl.	BN-2160-010	2
Serum, immune	Rabbit	Aggl.	BN-2160-300	2

Serotype pyrogenes

Serum, immune	Rabbit	Aggl.	BN-2139-300	2
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Serotype sejroe

Serum, immune	Rabbit	Aggl.	BN-2140-300	2
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Serotype tarassovi

Serum, immune	Rabbit	Aggl.	BN-2146-300	2
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Neisseria meningitidis

Serum, immune

Group A	Rabbit	Aggl.	BN-2250-300	1
Group B	Rabbit	Aggl.	BN-2251-300	1
Group C	Rabbit	Aggl.	BN-2252-300	1

BACTERIAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	<u>ml</u> Vial
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Neisseria meningitidis (contd)

Serum, immune

Group D	Rabbit	Aggl.	BN-2253-300	1
Slaterus X	Rabbit	Aggl.	BN-2271-300	1
Slaterus Y	Rabbit	Aggl.	BN-2272-300	1
Slaterus Z	Rabbit	Aggl.	BN-2273-300	1

Globulin FITC, immune

Group A	Rabbit	Direct FA	B2-2250-300	2
Group B	Rabbit	Direct FA	B2-2251-300	2
Group C	Rabbit	Direct FA	B2-2252-300	2
Polyvalent (A,B,C)	Rabbit	Direct FA	B2-2254-300	2

Pseudomonas pseudomallei

Serum, immune Human IHA BT-2355-210 1.0

Globulin FITC, immune Goat Direct FA B2-2355-140 1.0

Salmonella Flagellar"H"

Serum, immune

Polyvalent	Rabbit	Aggl.	BN-4247-300	2
a	Rabbit	Aggl.	BN-4503-300	2
b	Rabbit	Aggl.	BN-4506-300	2
c	Rabbit	Aggl.	BN-4322-300	2
d	Rabbit	Aggl.	BN-4573-300	2
e, h	Rabbit	Aggl.	BN-4519-300	2

BACTERIAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	<u>ml</u> <u>Vial</u>
<u>Salmonella Flagellar "H" (contd)</u>				
Serum, immune				
e, n, x	Rabbit	Aggl.	BN-4254-300	2
e, n, z ₁₅	Rabbit	Aggl.	BN-4612-300	2
f, g	Rabbit	Aggl.	BN-4341-300	2
g, m	Rabbit	Aggl.	BN-4354-300	2
g, m, s	Rabbit	Aggl.	BN-4467-300	2
g, p	Rabbit	Aggl.	BN-4344-300	2
g, p, u	Rabbit	Aggl.	BN-4522-300	2
g, q	Rabbit	Aggl.	BN-4470-300	2
g, s, t	Rabbit	Aggl.	BN-4541-300	2
g, z ₅₁	Rabbit	Aggl.	BN-4614-300	2
m, t	Rabbit	Aggl.	BN-4495-300	2
i	Rabbit	Aggl.	BN-4574-300	2
k	Rabbit	Aggl.	BN-4569-300	2
l, v	Rabbit	Aggl.	BN-4299-300	2
l, w	Rabbit	Aggl.	BN-4599-300	2
l, z ₁₃	Rabbit	Aggl.	BN-4604-300	2
l, z ₂₈	Rabbit	Aggl.	BN-4403-300	2
l, z ₄₀	Rabbit	Aggl.	BN-4608-300	2
r	Rabbit	Aggl.	BN-4524-300	2
y	Rabbit	Aggl.	BN-4605-300	2
z	Rabbit	Aggl.	BN-4603-300	2

BACTERIAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	<u>ml</u> <u>Vial</u>
<u>Salmonella Flagellar "H" (contd)</u>				
Serum, immune				
z ₄ , z ₂₃	Rabbit	Aggl.	BN-4315-300	2
z ₄ , z ₂₄	Rabbit	Aggl.	BN-4347-300	2
z ₄ , z ₃₂	Rabbit	Aggl.	BN-4560-300	2
z ₆	Rabbit	Aggl.	BN-4609-300	2
z ₁₀	Rabbit	Aggl.	BN-4393-300	2
z ₂₇	Rabbit	Aggl.	BN-4549-300	2
z ₂₉	Rabbit	Aggl.	BN-4566-300	2
z ₃₅	Rabbit	Aggl.	BN-4321-300	2
z ₃₆	Rabbit	Aggl.	BN-4593-300	2
z ₃₇	Rabbit	Aggl.	BN-4596-300	2
z ₃₈	Rabbit	Aggl.	BN-4361-300	2
z ₃₉	Rabbit	Aggl.	BN-4611-300	2
z ₄₁	Rabbit	Aggl.	BN-4610-300	2
z ₄₂	Rabbit	Aggl.	BN-4607-300	2
z ₄₃	Rabbit	Aggl.	BN-4617-300	2
z ₄₄	Rabbit	Aggl.	BN-4606-300	2
z ₄₅	Rabbit	Aggl.	BN-4618-300	2
z ₄₆	Rabbit	Aggl.	BN-4619-300	2
z ₄₇	Rabbit	Aggl.	BN-4458-300	2

BACTERIAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	ml Vial
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Salmonella Flagellar "H" (contd)

Serum, immune

z ₄₈	Rabbit	Aggl.	BN-4616-300	2
z ₄₉	Rabbit	Aggl.	BN-4613-300	2
z ₅₂	Rabbit	Aggl.	BN-4615-300	2
z ₅₉	Rabbit	Aggl.	BN-4626-300	2
1, 2	Rabbit	Aggl.	BN-4505-300	2
1, 5	Rabbit	Aggl.	BN-4570-300	2
1, 6	Rabbit	Aggl.	BN-4269-300	2
1, 7	Rabbit	Aggl.	BN-4440-300	2

Salmonella Somatic "O"

Serum, immune

1*, 2, 12*	Rabbit	Aggl.	BN-4852-300	2
4, 5, 12, and 4, 12, 27	Rabbit	Aggl.	BN-4836-300	2
4*, 5, 12*	Rabbit	Aggl.	BN-4835-300	2
4*, 12*, 27	Rabbit	Aggl.	BN-4834-300	2
6*, 7	Rabbit	Aggl.	BN-4854-300	2
8	Rabbit	Aggl.	BN-4833-300	2

*Antibodies to these factors have been reduced or removed by absorption.

BACTERIAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	<u>ml</u> <u>Vial</u>
<u>Salmonella Somatic "O"</u> (contd)				
Serum, immune				
(8)*, 20	Rabbit	Aggl.	BN-4832-300	2
9, 12*	Rabbit	Aggl.	BN-4830-300	2
(9), 46	Rabbit	Aggl.	BN-4831-300	2
3, 10	Rabbit	Aggl.	BN-4857-300	2
3*, 15	Rabbit	Aggl.	BN-4858-300	2
3*, 15*, 34	Rabbit	Aggl.	BN-4859-300	2
1*, 3, 19	Rabbit	Aggl.	BN-4860-300	2
11	Rabbit	Aggl.	BN-4861-300	2
1*, 13, 23, 37	Rabbit	Aggl.	BN-4828-300	2
13, 22, 36	Rabbit	Aggl.	BN-4829-300	2
6, 14, 24	Rabbit	Aggl.	BN-4827-300	2
1*, 6*, 14, 25	Rabbit	Aggl.	BN-4826-300	2
16	Rabbit	Aggl.	BN-4864-300	2
17	Rabbit	Aggl.	BN-4867-300	2
18	Rabbit	Aggl.	BN-4868-300	2
21	Rabbit	Aggl.	BN-4869-300	2
28a, 28b	Rabbit	Aggl.	BN-4870-300	2
28a, 28c	Rabbit	Aggl.	BN-4839-300	2

*Antibodies to these factors have been reduced or removed by absorption.

BACTERIAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	<u>ml</u> <u>Vial</u>
<u>Salmonella Somatic "O" (contd)</u>				
Serum, immune				
30	Rabbit	Aggl.	BN-4871-300	2
35	Rabbit	Aggl.	BN-4872-300	2
38	Rabbit	Aggl.	BN-4873-300	2
39	Rabbit	Aggl.	BN-4874-300	2
40a, 40b	Rabbit	Aggl.	BN-4875-300	2
1, 40a, 40c	Rabbit	Aggl.	BN-4842-300	2
41	Rabbit	Aggl.	BN-4876-300	2
42	Rabbit	Aggl.	BN-4877-300	2
43a, 43b	Rabbit	Aggl.	BN-4878-300	2
44	Rabbit	Aggl.	BN-4879-300	2
45a, 45b	Rabbit	Aggl.	BN-4880-300	2
45a, 45c	Rabbit	Aggl.	BN-4841-300	2
47ab, 47ac	Rabbit	Aggl.	BN-4881-300	2
48a, 48b	Rabbit	Aggl.	BN-4882-300	2
48a, 48c	Rabbit	Aggl.	BN-4840-300	2
50a, 50b, 50d	Rabbit	Aggl.	BN-4883-300	2
51	Rabbit	Aggl.	BN-4851-300	2
52	Rabbit	Aggl.	BN-4850-300	2
53	Rabbit	Aggl.	BN-4849-300	2

BACTERIAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	ml Vial
<u>Salmonella Somatic "O" (contd)</u>				
Serum, immune				
54	Rabbit	Aggl.	BN-4848-300	2
55	Rabbit	Aggl.	BN-4847-300	2
56	Rabbit	Aggl.	BN-4846-300	2
57	Rabbit	Aggl.	BN-4845-300	2
58	Rabbit	Aggl.	BN-4844-300	2
59	Rabbit	Aggl.	BN-4843-300	2
60	Rabbit	Aggl.	BN-4838-300	2
61	Rabbit	Aggl.	BN-4837-300	2
64	Rabbit	Aggl.	BN-4825-300	2
<u>Salmonella Vi</u>				
Serum, immune Vi	Rabbit	Aggl.	BN-4866-300	2
Globulin FITC, immune Typhi Vi	Rabbit	Direct FA	B2-4866-300	1

BACTERIAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	<u>ml</u> Vial
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Shigella dysenteriae (Subgroup A)

Serum, immune

Type 1	Rabbit	Aggl.	BN-4031-300	2
Type 2	Rabbit	Aggl.	BN-4032-300	2
Type 3	Rabbit	Aggl.	BN-4033-300	2
Type 4	Rabbit	Aggl.	BN-4034-300	2
Type 5	Rabbit	Aggl.	BN-4035-300	2
Type 6	Rabbit	Aggl.	BN-4036-300	2
Type 7	Rabbit	Aggl.	BN-4037-300	3
Type 8	Rabbit	Aggl.	BN-4038-300	2
Type 9	Rabbit	Aggl.	BN-4039-300	2
Type 10	Rabbit	Aggl.	BN-4040-300	2

Shigella flexneri (Subgroup B)

Serum, immune

Type 1a	Rabbit	Aggl.	BN-4066-300	2
Type 1b	Rabbit	Aggl.	BN-4067-300	2
Type 2a	Rabbit	Aggl.	BN-4068-300	2
Type 2b	Rabbit	Aggl.	BN-4069-300	2
Type 3	Rabbit	Aggl.	BN-4070-300	2

BACTERIAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	ml Vial
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Shigella flexneri (contd)

Serum, immune

Type 4a	Rabbit	Aggl.	BN-4074-300	2
Type 4b	Rabbit	Aggl.	BN-4075-300	2
Type 5	Rabbit	Aggl.	BN-4076-300	2
Type 6	Rabbit	Aggl.	BN-4077-300	2
x variant	Rabbit	Aggl.	BN-4078-300	2
y variant	Rabbit	Aggl.	BN-4079-300	2

Globulin FITC, immune

Polyvalent (Types 1-6)	Rabbit	Direct FA	B2-4065-300	4
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Shigella boydii (Subgroup C)

Serum, immune

Type 1	Rabbit	Aggl.	BN-4105-300	2
Type 2	Rabbit	Aggl.	BN-4106-300	3
Type 3	Rabbit	Aggl.	BN-4107-300	2
Type 4	Rabbit	Aggl.	BN-4108-300	2
Type 5	Rabbit	Aggl.	BN-4109-300	2
Type 6	Rabbit	Aggl.	BN-4110-300	2
Type 7	Rabbit	Aggl.	BN-4111-300	2
Type 8	Rabbit	Aggl.	BN-4112-300	2

BACTERIAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	<u>ml</u> <u>Vial</u>
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Shigella boydii (contd)
(Subgroup C)

Serum, immune

Type 9	Rabbit	Aggl.	BN-4113-300	2
Type 10	Rabbit	Aggl.	BN-4114-300	2
Type 11	Rabbit	Aggl.	BN-4115-300	2
Type 12	Rabbit	Aggl.	BN-4116-300	2
Type 13	Rabbit	Aggl.	BN-4117-300	2
Type 14	Rabbit	Aggl.	BN-4118-300	2
Type 15	Rabbit	Aggl.	BN-4119-300	2

Shigella sonnei
(Subgroup D)

Serum, immune

Polyvalent (Forms I and II)	Rabbit	Aggl.	BN-4144-300	2
Form I	Rabbit	Aggl.	BN-4145-300	2
Form II	Rabbit	Aggl.	BN-4146-300	2

Globulin FITC, immune

Form I	Rabbit	Direct FA	B2-4145-300	1
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Staphylococcus

Serum, antitoxin

Enterotoxin B	Rabbit	Agar-gel Ppt	BP-2499-300	1
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BACTERIAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	ml Vial
<u>Streptococcus pneumoniae</u>				
Serum, immune				
Pool A (types 1,2,7)	Rabbit	Quel.	BR-2045-300	1
Pool B (types 3,4,5, 6,8)	Rabbit	Quel.	BR-2046-300	1
Pool C (types 9,12, 14,15,17,33)	Rabbit	Quel.	BR-2047-300	1
Pool D (types 10,11, 13,20,22,24)	Rabbit	Quel.	BR-2048-300	1
Pool E (types 16,18, 19,21,28)	Rabbit	Quel.	BR-2049-300	1
Pool F (types 23,25, 27,29,31,32)	Rabbit	Quel.	BR-2050-300	1
Globulin FITC, immune				
Pool A (types 1,2,7)	Rabbit	Direct FA	B2-2045-300	3
Pool B (types 3,4,5, 6,8)	Rabbit	Direct FA	B2-2046-300	3
Pool C (types 9,12, 14,15,17,33)	Rabbit	Direct FA	B2-2047-300	3
Pool D (types 10,11, 13,20,22,24)	Rabbit	Direct FA	B2-2048-300	3
Pool E (types 16,18, 19,21,28)	Rabbit	Direct FA	B2-2049-300	3
Pool F (types 23,25, 27,29,31,32)	Rabbit	Direct FA	B2-2050-300	2
Globulin FITC, immune				
Polyvalent (A-F)	Rabbit	Direct FA	B2-2101-300	1

BACTERIAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	<u>ml</u> Vial
<u>Streptococcus pneumoniae</u> (contd)				
Serum, immune				
Type 1	Rabbit	Quel.	BR-2051-300	1
Type 2	Rabbit	Quel.	BR-2052-300	1
Type 3	Rabbit	Quel.	BR-2053-300	1
Type 4	Rabbit	Quel.	BR-2054-300	1
Type 5	Rabbit	Quel.	BR-2055-300	1
Type 6	Rabbit	Quel.	BR-2056-300	1
Type 7	Rabbit	Quel.	BR-2057-300	1
Type 8	Rabbit	Quel.	BR-2058-300	1
Type 9	Rabbit	Quel.	BR-2059-300	1
Type 10	Rabbit	Quel.	BR-2060-300	1
Type 11	Rabbit	Quel.	BR-2061-300	1
Type 12	Rabbit	Quel.	BR-2062-300	1
Type 13	Rabbit	Quel.	BR-2063-300	1
Type 14	Rabbit	Quel.	BR-2064-300	1
Type 15	Rabbit	Quel.	BR-2065-300	1
Type 16	Rabbit	Quel.	BR-2066-300	1
Type 17	Rabbit	Quel.	BR-2067-300	1
Type 18	Rabbit	Quel.	BR-2068-300	1
Type 19	Rabbit	Quel.	BR-2069-300	1

BACTERIAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	<u>ml</u> <u>Vial</u>
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Streptococcus pneumoniae (contd)

Serum, immune

Type 20	Rabbit	Quel.	BR-2070-300	1
Type 21	Rabbit	Quel.	BR-2071-300	1
Type 22	Rabbit	Quel.	BR-2072-300	1
Type 23	Rabbit	Quel.	BR-2073-300	1
Type 24	Rabbit	Quel.	BR-2074-300	1
Type 25	Rabbit	Quel.	BR-2075-300	1
Type 27	Rabbit	Quel.	BR-2077-300	1
Type 28	Rabbit	Quel.	BR-2078-300	1
Type 29	Rabbit	Quel.	BR-2079-300	1
Type 31	Rabbit	Quel.	BR-2081-300	1
Type 32	Rabbit	Quel.	BR-2082-300	1
Type 33	Rabbit	Quel.	BR-2083-300	1

Streptococcus Grouping

Serum, immune

Group A	Rabbit	Ppt	BP-3000-300	2
Group B	Rabbit	Ppt	BP-3001-300	2
Group C	Rabbit	Ppt	BP-3002-300	2
Group D	Rabbit	Ppt	BP-3003-300	2
Group E	Rabbit	Ppt	BP-3004-300	2
Group F	Rabbit	Ppt	BP-3005-300	2
Group G	Rabbit	Ppt	BP-3006-300	2

BACTERIAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	<u>ml</u> <u>Vial</u>
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Streptococcus Grouping (contd)

Serum, normal	Rabbit	Ppt	BU-2997-300	2
Globulin FITC, Immune Group A	Rabbit	Direct FA	B2-2997-300	2

Streptococcus (Group A) "M" Typing

Serum, immune				
Type 1	Rabbit	Ppt	BP-3013-300	2
Type 2	Rabbit	Ppt	BP-3014-300	2
Type 3	Rabbit	Ppt	BP-3015-300	2
Type 4	Rabbit	Ppt	BP-3016-300	2
Type 5	Rabbit	Ppt	BP-3017-300	2
Type 6	Rabbit	Ppt	BP-3018-300	2
Type 8	Rabbit	Ppt	BP-3020-300	2
Type 11	Rabbit	Ppt	BP-3022-300	2
Type 12	Rabbit	Ppt	BP-3023-300	2
Type 13	Rabbit	Ppt	BP-3024-300	2
Type 14	Rabbit	Ppt	BP-3025-300	2
Type 15	Rabbit	Ppt	BP-3026-300	2
Type 17	Rabbit	Ppt	BP-3028-300	2
Type 18	Rabbit	Ppt	BP-3029-300	2
Type 19	Rabbit	Ppt	BP-3030-300	2
Type 22	Rabbit	Ppt	BP-3033-300	2

BACTERIAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	<u>ml</u> Vial
<u>Streptococcus (Group A) 'M' Typing (contd)</u>				
Serum, immune				
Type 23	Rabbit	Ppt	BP-3034-300	2
Type 24	Rabbit	Ppt	BP-3035-300	2
Type 25	Rabbit	Ppt	BP-3036-300	2
Type 26	Rabbit	Ppt	BP-3037-300	2
Type 27	Rabbit	Ppt	BP-3038-300	2
Type 29	Rabbit	Ppt	BP-3040-300	2
Type 30	Rabbit	Ppt	BP-3041-300	2
Type 31	Rabbit	Ppt	BP-3042-300	2
Type 32	Rabbit	Ppt	BP-3043-300	2
Type 33	Rabbit	Ppt	BP-3044-300	2
Type 36	Rabbit	Ppt	BP-3047-300	2
Type 37	Rabbit	Ppt	BP-3048-300	2
Type 38	Rabbit	Ppt	BP-3049-300	2
Type 39	Rabbit	Ppt	BP-3050-300	2
Type 40	Rabbit	Ppt	BP-3051-300	2
Type 41	Rabbit	Ppt	BP-3052-300	2
Type 42	Rabbit	Ppt	BP-3053-300	2
Type 43	Rabbit	Ppt	BP-3054-300	2
Type 46	Rabbit	Ppt	BP-3056-300	2
Type 47	Rabbit	Ppt	BP-3057-300	2

BACTERIAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	<u>ml</u> <u>Vial</u>
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Streptococcus (Group A) "M" Typing (contd)

Serum, immune

Type 49	Rabbit	Ppt	BP-3061-300	2
Type 51	Rabbit	Ppt	BP-3062-300	2
Type 52	Rabbit	Ppt	BP-3063-300	2
Type 53	Rabbit	Ppt	BP-3064-300	2
Type 55	Rabbit	Ppt	BP-3066-300	2
Type 57	Rabbit	Ppt	BP-3068-300	2
Serum, normal	Rabbit	Ppt	BU-2997-300	2

Streptococcus (Group A) "T" Typing

Serum, immune

Pool T (1/3/13/B3264)	Rabbit	Aggl.	YN-3105-300	2
Pool U (2/4/6/28)	Rabbit	Aggl.	YN-3106-300	2
Pool W (5/11/12/27/ 44)	Rabbit	Aggl.	YN-3107-300	2
Pool X (8/14/25/ Imp 19)	Rabbit	Aggl.	YN-3108-300	2
Pool Y (22/23)	Rabbit	Aggl.	YN-3109-300	2
Pool Z (9/18)	Rabbit	Aggl.	YN-3110-300	2
Serum, immune				
Type 1	Rabbit	Aggl.	YN-3120-300	2
Type 2	Rabbit	Aggl.	YN-3121-300	2
Type 3	Rabbit	Aggl.	YN-3122-300	2

BACTERIAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	<u>ml</u> <u>Vial</u>
<u>Streptococcus (Group A) "T" Typing (contd)</u>				
Serum, immune				
Type 4	Rabbit	Aggl.	YN-3123-300	2
Type 5	Rabbit	Aggl.	YN-3124-300	2
Type 6	Rabbit	Aggl.	YN-3125-300	2
Type 8	Rabbit	Aggl.	YN-3127-300	2
Type 9	Rabbit	Aggl.	YN-3128-300	2
Type 11	Rabbit	Aggl.	YN-3130-300	2
Type 12	Rabbit	Aggl.	YN-3131-300	2
Type 13	Rabbit	Aggl.	YN-3132-300	2
Type 14	Rabbit	Aggl.	YN-3133-300	2
Type 18	Rabbit	Aggl.	YN-3137-300	2
Type 22	Rabbit	Aggl.	YN-3141-300	2
Type 23	Rabbit	Aggl.	YN-3142-300	2
Type 25	Rabbit	Aggl.	YN-3144-300	2
Type 27	Rabbit	Aggl.	YN-3146-300	2
Type 28	Rabbit	Aggl.	YN-3147-300	2
Type 44	Rabbit	Aggl.	YN-3160-300	2
Type B3264 (Prov)	Rabbit	Aggl.	YN-3175-300	2
Type Imp.19 (Prov)	Rabbit	Aggl.	YN-3176-300	2

BACTERIAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	<u>ml</u> Vial
<u>Vibrio cholerae</u>				
Polyvalent	Rabbit	Aggl.	BN-5391-300	2
Inaba (unadsorbed)	Rabbit	Aggl.	BE-5393-300	2
<u>Yersinia pestis</u>				
Serum, immune	Goat	Aggl.	BN-2324-140	5
Serum, immune	Rabbit	Direct FA Inhibition	B5-2324-300	0.5
Globulin FITC, immune	Rabbit	Direct FA	B2-2324-300	1

FUNGAL REFERENCE REAGENTS

FUNGAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	<u>ml</u> Vial
<u>Actinomyces israelii</u>				
Globulin, FITC immune (Serotypes 1 and 2)	Rabbit	Direct FA	F2-1008-300	4
<u>Actinomyces naeslundii</u>				
Globulin FITC, immune	Rabbit	Direct FA	F2-1011-300	1
<u>Blastomyces dermatitidis</u>				
Antigen, yeast phase		CF	FB-1003	5
Serum, immune	Human	CF	FL-1003-210	1
Globulin FITC, immune	Rabbit	Direct FA	F2-1003-300	1
<u>Coccidioides immitis</u>				
Antigen, Coccidioidin		CF	FB-1005	5
Serum, immune	Human	CF	FL-1005-210	1
Globulin FITC, immune	Rabbit	Direct FA	F2-1005-300	2
<u>Cryptococcus neoformans</u>				
Antigen		Latex Aggl.	FI-1006	1
Globulin, immune Latex adsorbed	Rabbit	Latex Aggl.	F8-1006-300	1
Globulin, normal Latex adsorbed	Rabbit	Latex Aggl.	F9-1006-300	1
Serum, immune	Rabbit	Aggl.	FN-1006-300	2

FUNGAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	ml Vial
<u>Cryptococcus neoformans (contd)</u>				
Globulin FITC, immune	Rabbit	Direct FA	F2-1006-300	1
Globulin FITC, immune anti-human conjugate	Goat	Indirect FA	F1-1006-140	2
<u>Cryptococcus neoformans-Cryptococcus terrus (bivalent)</u>				
Globulin FITC, immune	Rabbit	Direct FA	F2-1012-300	1
<u>Histoplasma capsulatum</u>				
Antigen, yeast		CF	FB-1001-000	5
Antigen, mycelial		CF	FB-1002-000	5
Serum, immune	Human	CF	FL-1002-210	1
Antigen, mycelial (10X)		ID	FD-1002-000	5
Serum, immune	Human	ID	FP-1002-210	1
<u>H. capsulatum-B. dermatitidis</u>				
Globulin FITC, immune	Rabbit	Direct FA	F2-1007-300	1
<u>H. capsulatum-B. dermatitidis-C. immitis</u>				
Serum, immune	Monkey	CF	FL-1015-230	1
<u>Sporotrichum schenckii</u>				
Globulin FITC, immune	Rabbit	Direct FA	F2-1034-300	2

FUNGAL REFERENCE REAGENTS

<u>Product</u>	<u>Host</u>	<u>Recommended Use</u>	<u>Catalog Number</u>	<u>ml Vial</u>
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Fungal Control

Globulin FITC, normal	Rabbit	Direct FA	F2-1023-300	2
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IMMUNOLOGIC REFERENCE REAGENTS

IMMUNOLOGIC REFERENCE REAGENTS

IMMUNOLOGIC REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	<u>ml</u> <u>Vial</u>
<u>Anti-Rabbit IgG</u>				
Serum, immune	Goat	ID	H0-9508-140	2

MYCOPLASMA REFERENCE REAGENTS

MYCOPLASMA REFERENCE REAGENTS

MYCOPLASMA REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	<u>ml</u> Vial
<u>Mycoplasma pneumoniae (FH)</u>				
Antigen		CF	MA-0511	1
Antigen, normal		CF	MC-0511	1
Antigen		IHA	MF-0511	1
Serum, immune	Horse	CF, IHA	MU-0511-200	2

PARASITOLOGICAL REFERENCE REAGENTS

PARASITOLOGICAL REFERENCE REAGENTS

PARASITOLOGICAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	<u>ml</u> <u>Vial</u>
<u>Toxoplasma gondii</u>				
Antigen		Indirect FA	P7-1510	3 slides per box
**Serum, immune High titer	Human	Indirect FA	PL-1510-21H	0.5
**Serum, immune Low titer	Human	Indirect FA	PT-1510-21L	0.5
**Serum, normal	Human	Indirect FA	PU-1510-210	0.5
Globulin FITC, immune anti-human	Goat	Indirect FA	P1-1510-140	2

**Reagents are distributed as a set.

RICKETTSIAL REFERENCE REAGENTS

RICKETTSIAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	<u>ml</u> Vial
<u>Typhus Group</u>				
Antigen		CF	RA-0704	1
Antigen, normal		CF	RC-0704	1
Serum, immune	Guinea Pig	CF	RL-0704-160	1
Serum immune	Human	CF	RL-0704-210	1
<u>Q Fever</u>				
Antigen		Aggl.	RH-0706	2
Serum, immune	Bovine	Aggl.	RS-0706-010	2
Serum, immune	Human	Aggl-CF	RS-0706-210	1
Antigen		CF	RA-0706	1
Antigen, normal		CF	RC-0706	1
Serum, immune	Guinea Pig	CF	RL-0706-160	1
<u>Spotted Fever Group</u>				
Antigen		CF	RA-0711	1
Antigen, normal		CF	RC-0711	1
Serum, immune	Guinea Pig	CF	RL-0711-160	1
Serum, immune	Human	CF	RL-0708-210	1

VENEREAL DISEASE REFERENCE REAGENTS

VENERAL DISEASE REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	<u>ml</u> <u>Vial</u>
Antigen		VDRL Test	DA-8001-00	5
Buffered Saline		VDRL Test	DA-8002-00	60
Antigen Suspension		USR Test	DB-8003-00	4
Antigen Suspension		RPR Card Test	DC-8004-00	4
Antigen Suspension		ART	DD-8005-00	8
Serum, immune Reactive control	Human	STS	DE-8006-21	5
Serum, immune Reactive control	Human	ART	DF-8007-21	1
Antigen, T. pallidum Suspension	Rabbit	FTA-ABS Test	DG-8008-30	0.5
Globulin FITC, immune Anti-human	Rabbit	FTA-ABS Test	DG-8009-30	1
Serum, immune Reactive control	Human	FTA-ABS Test	DG-8010-21	5
Serum, nonspecific Control	Human	FTA-ABS Test	DG-8011-21	5
Serum, nonspecific for Sorbent Standardization only	Human	FTA-ABS Test	DG-8012-21	1
Sorbent		FTA-ABS Test	DG-8013-00	5
Globulin FITC, immune Anti human IgM (Class specific) Test	Sheep	FTA-ABS (IGM) Test	DH-8014-36	1
Serum, immune Reactive control	Human	FTA-ABS (IGM) Test	DH-8015-21	5

VENEREAL DISEASE REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	ml Vial
Serum, normal Nonreactive Control	Human	FTA-ABS (IGM)	DH-8016-21	1
Globulin FITC, immune Anti-T. pallidum	Rabbit	Direct FA	DI-8017-30	0.5
Serum, for Total Protein Standard	Human		DK-8019-21	8

Neisseria gonorrhoeae

Globulin FITC, immune	Rabbit	Direct FA	DJ-8018-30	1
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VIRUS REFERENCE REAGENTS

VIRUS REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	<u>ml</u> <u>Vial</u>
<u>Adenovirus (Group Specific)</u>				
Antigen, type 2		CF	VA-0003	1
Antigen, normal		CF	VC-0001	1
Serum, immune	Human	CF	VL-0001-210	1
<u>Adenovirus (Type Specific)</u>				
Serum, immune				
Type 1	Horse	Neut, HAI	VQ-0002-200	2
Type 1	Rabbit	Neut, HAI	VN-0002-300	2
Type 2	Horse	Neut, HAI	VQ-0003-200	2
Type 2	Rabbit	Neut, HAI	VN-0003-300	2
Type 3	Horse	Neut, HAI	VQ-0004-200	2
Type 4	Horse	Neut, HAI	VQ-0005-200	2
Type 5	Horse	Neut, HAI	VQ-0006-200	2
Type 6	Horse	Neut, HAI	VQ-0007-200	2
Type 6	Rabbit	Neut, HAI	VN-0007-300	2
Type 7a	Horse	Neut, HAI	VQ-0009-200	2
Type 7a	Rabbit	Neut, HAI	VN-0009-300	2
Type 8	Horse	Neut, HAI	VQ-0010-200	2
Type 8	Rabbit	Neut, HAI	VQ-0010-300	2
Type 9	Horse	Neut, HAI	VQ-0011-200	2
Type 9	Rabbit	Neut, HAI	VQ-0011-300	2

VIRAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	ml Vial
<u>Adenovirus (Type Specific) (contd)</u>				
Serum, immune				
Type 10	Horse	Neut, HAI	VQ-0012-200	2
Type 10	Rabbit	Neut, HAI	VQ-0012-300	2
Type 11	Horse	Neut, HAI	VQ-0013-200	2
Type 11	Rabbit	Neut, HAI	VQ-0013-300	2
Type 12	Horse	Neut	VN-0014-200	2
Type 13	Horse	Neut, HAI	VQ-0015-200	2
Type 13	Rabbit	Neut, HAI	VN-0015-300	2
Type 14	Horse	Neut, HAI	VQ-0016-200	2
Type 15	Horse	Neut, HAI	VQ-0017-200	2
Type 15	Rabbit	Neut, HAI	VQ-0017-300	2
Type 16	Horse	Neut, HAI	VQ-0018-200	2
Type 17	Horse	Neut, HAI	VQ-0019-200	2
Type 17	Rabbit	Neut, HAI	VQ-0019-300	2
Type 18	Horse	Neut	VN-0020-200	2
Type 19	Horse	Neut, HAI	VQ-0021-200	2
Type 20	Horse	Neut, HAI	VQ-0022-200	2
Type 21	Horse	Neut, HAI	VQ-0023-200	2
Type 21	Rabbit	Neut, HAI	VN-0023-300	2
Type 22	Horse	Neut, HAI	VQ-0024-200	2
Type 23	Horse	Neut, HAI	VQ-0033-200	2
Type 24	Horse	Neut, HAI	VQ-0025-200	2

VIRAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	<u>ml</u> Vial
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Adenovirus (Type Specific) (contd)

Serum, immune

Type 25	Horse	Neut, HAI	VQ-0026-200	2
Type 26	Horse	Neut, HAI	VQ-0027-200	2
Type 27	Horse	Neut, HAI	VQ-0028-200	2
Type 28	Horse	Neut, HAI	VQ-0029-200	2
Type 29	Horse	Neut, HAI	VQ-0030-200	2
Type 30	Horse	Neut, HAI	VQ-0031-200	2
Type 31	Horse	Neut	VQ-0032-200	2
Type 32	Horse	Neut, HAI	VQ-0035-200	2
Type 33	Horse	Neut, HAI	VQ-0036-200	2

Serum, normal for Adenovirus typing	Horse	Neut, HAI	VV-0001-200	2
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Arbovirus

Ascitic Fluid, normal	Mouse	CF	VV-0050-270	1
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Group A (Group specific)

Serum, immune	Horse	CF, HAI	VR-0051-200	2
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Group B (Group specific)

Serum, immune	Horse	CF, HAI	VO-0052-200	2
Serum, immune	Monkey	CF, HAI	VO-0052-230	1
Ascitic fluid, immune	Mouse	CF, HAI	VO-0052-270	2

VIRAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	<u>ml</u> <u>Vial</u>
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Arbovirus (contd)

California Encephalitis

(LaCrosse)

Antigen		CF	VA-0063	1
Antigen, normal		CF	VC-0063	1
Antigen		HAI	VD-0063	1
Serum, immune	Horse	HAI, Neut	VQ-0063-200	2
Ascitic fluid, immune	Mouse	CF, HAI, Neut	VR-0063-270	1

Colorado Tick Fever

(Florio)

Antigen		CF	VA-0064	1
Antigen, normal		CF	VD-0064	1
Serum, immune	Horse	CF, Neut	VP-0064-200	2
Serum, immune	Human	CF, Neut	VP-0064-210	1
Serum, immune	Horse	Neut	VN-0064-200	2
Ascitic fluid, immune	Mouse	CF, Neut	VP-0064-270	1

Dengue Fever

Serum, immune	Human	CF, HAI	VO-0068-210	1
Serum, immune	Human	HAI	VM-0068-210	1

VIRAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	ml Vial
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Arbovirus (contd)

Dengue Type 2

(TR-1751)

Antigen		CF	VA-0067	1
Antigen, normal		CF	VC-0067	1
Antigen		HAI	VD-0067	1
Ascitic fluid,	Mouse	CF, HAI	VO-0067-270	1

Eastern Equine Encephalomyelitis

(NJ/60)

Antigen		CF	VA-0072	1
Antigen, normal		CF	VC-0072	1
Antigen		HAI	VD-0072	1
Serum, immune	Goat	HAI	VM-0072-140	1
Serum, immune	Horse	CF, HAI, Neut	VR-0072-200	2
Ascitic fluid, immune	Mouse	CF, HAI, Neut	VR-0072-270	1

St. Louis Encephalitis

(TBH-28)

Antigen		CF	VA-0091	1
Antigen, normal		CF	VC-0091	1
Antigen		HAI	VD-0091	1
Serum, immune	Horse	CF, HAI, Neut	VR-0091-200	1
Serum, immune	Human	CF, HAI, Neut	VR-0091-210	1
Ascitic fluid, immune	Mouse	CF, HAI, Neut	VR-0091-270	1

VIRAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	ml Vial
<u>Arbovirus (contd)</u>				
<u>Venezuelan Equine Encephalomyelitis</u>				
<u>(Trinidad)</u>				
Antigen		CF	VA-0098	2
Antigen		CF, HAI	VE-0098	1
Serum, immune	Horse	CF, HAI, Neut	VR-0098-200	1
<u>(FE3-7C)</u>				
Antigen		CF	VA-0123	1
Antigen, normal		CF	VC-0123	1
Antigen		HAI	VD-0123	1
Ascitic fluid, immune	Mouse	CF, HAI, Neut	VR-0123-270	1
<u>(Three Rivers)</u>				
Antigen		CF	VA-0124	1
Antigen, normal		CF	VC-0124	1
Antigen		HAI	VD-0124	1
Ascitic fluid, immune	Mouse	CF, HAI, Neut	VR-0124-270	1
<u>(GJ9-1BJ)</u>				
Serum, immune	Horse	CF, HAI, Neut	VR-0125-200	2
<u>(TC-83)</u>				
Serum, immune	Human	CF	VL-0126-210	1
Serum, immune	Human	HAI, Neut	VQ-0126-210	1
Serum, immune	Human	CF, HAI, Neut	VR-0126-210	1
Ascitic fluid, immune	Mouse	CF, HAI, Neut	VR-0126-270	1

VIRAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	<u>ml</u> <u>Vial</u>
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Arbovirus (contd)

Western Equine Encephalomyelitis

(Fleming)

Antigen		CF	VA-0101	1
Antigen, normal		CF	VC-0101	1
Antigen		HAI	VD-0101	1
Serum, immune	Goat	CF, HAI	VO-0101-140	2
Serum, immune	Guinea Pig	CF, HAI	VO-0101-160	2
Serum, immune	Horse	CF, HAI, Neut	VR-0101-200	2
Serum, immune	Human	CF, HAI, Neut	VR-0101-210	1
Ascitic fluid, immune	Mouse	CF, HAI, Neut	VR-0101-270	1

Yellow Fever

Serum, immune	Human	CF, HAI, Neut	VR-0103-210	1
Serum, immune	Human	HAI, Neut	VQ-0103-210	1

(17D)

Antigen		CF	VA-0103	1
Antigen, normal		CF	VC-0103	1
Serum, immune	Horse	CF, HAI	VM-0103-200	2
Serum, immune	Horse	CF, HAI, Neut	VR-0103-200	2
Ascitic Fluid, immune	Mouse	CF, HAI, Neut	VR-0103-270	1

VIRAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	ml Vial
<u>Arbovirus (contd)</u>				
<u>Yellow Fever (contd)</u>				
<u>(Asibi)</u>				
Antigen		HAI	VD-0127	1
<u>Chlamydia Group (Psittacosis-LGV-Trachoma)</u>				
Antigen		CF	VA-0525	1
Antigen, normal		CF	VC-0525	1
Serum, immune	Guinea Pig	CF	VL-0525-160	1
Serum, immune	Human	CF	VL-0525-210	1
<u>Coronavirus</u>				
<u>(OC43)</u>				
Antigen		CF	VA-0149	1
Antigen, normal		CF	VC-0149	1
Antigen		HAI	VD-0149	1
Ascitic fluid, immune	Mouse	CF, HAI	VO-0149-270	1
<u>Coxsackievirus Group A</u>				
Ascitic fluid, normal	Mouse	CF	VV-0281-270	1
<u>Type 1</u>				
Serum, immune	Rabbit	Neut	VN-0292-300	2

VIRAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	ml Vial
<u>Coxsackievirus Group A (contd)</u>				
<u>Type 2</u>				
Antigen		CF	VB-0293	2
Antigen, normal		CF	VC-0293	2
Serum, immune	Rabbit	Neut	VN-0293-300	2
Ascitic fluid, immune	Mouse	CF	VL-0293-270	1
<u>Type 3</u>				
Serum, immune	Rabbit	Neut	VN-0294-300	2
<u>Type 4</u>				
Antigen		CF	VB-0295	2
Antigen, normal		CF	VC-0295	2
Serum, immune	Rabbit	Neut	VN-0295-300	2
Ascitic fluid, immune	Mouse	CF	VL-0295-270	1
<u>Type 5</u>				
Serum, immune	Rabbit	Neut	VN-0296-300	2
<u>Type 6</u>				
Serum, immune	Rabbit	Neut	VN-0297-300	2
<u>Type 7</u>				
Antigen		CF	VB-0298	2
Antigen, normal		CF	VC-0298	2
Serum, immune	Rabbit	Neut	VN-0298-300	2
Ascitic fluid, immune	Mouse	CF	VL-0298-270	1

VIRAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	ml Vial
<u>Coxsackievirus Group A (contd)</u>				
<u>Type 8</u>				
Serum, immune	Rabbit	Neut	VN-0299-300	2
<u>Type 9</u>				
Serum, immune	Rabbit	Neut	VN-0300-300	2
<u>Type 10</u>				
Antigen		CF	VB-0301	2
Antigen, normal		CF	VC-0301	2
Serum, immune	Rabbit	Neut	VN-0301-300	2
Asciti immune	Mouse	CF	VL-0301-270	1
<u>Type 11</u>				
Serum, immune	Rabbit	Neut	VN-0302-300	2
<u>Type 12</u>				
Serum, immune	Rabbit	Neut	VN-0303-300	2
<u>Type 14</u>				
Serum, immune	Rabbit	Neut	VN-0305-300	2
<u>Type 15</u>				
Serum, immune	Rabbit	Neut	VN-0306-300	2
<u>Type 16</u>				
Antigen		CF	VB-0307	2
Antigen, normal		CF	VC-0307	2
Serum, immune	Human	Neut	VN-0307-210	1
Serum, immune	Rabbit	Neut	VN-0307-300	2
Ascitic fluid, immune	Mouse	CF	VL-0307-270	1

VIRAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	<u>ml</u> <u>Vial</u>
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Coxsackievirus Group A (contd)

Type 17

Serum, immune	Rabbit	Neut	VN-0308-300	2
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Type 18

Serum, immune	Rabbit	Neut	VN-0309-300	2
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Type 21

Serum, immune	Rabbit	Neut	VN-0312-300	2
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Type 22

Serum, immune	Rabbit	Neut	VN-0313-300	2
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Coxsackievirus Group B

Type 1

Serum, immune	Monkey	Neut	VN-0282-230	2
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Serum, immune	Rabbit	Neut	VN-0282-300	2
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Type 2

Serum, immune	Monkey	Neut	VN-0283-230	2
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Serum, immune	Rabbit	Neut	VN-0283-300	2
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Type 3

Serum, immune	Human	Neut	VN-0284-210	2
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Serum, immune	Monkey	Neut	VN-0284-230	2
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Serum, immune	Rabbit	Neut	VN-0284-300	2
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Type 4

Serum, immune	Monkey	Neut	VN-0285-230	2
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Serum, immune	Rabbit	Neut	VN-0285-300	2
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VIRAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	ml Vial
<u>Coxsackievirus Group B (contd)</u>				
<u>Type 5</u>				
Serum, immune	Monkey	Neut	VN-0286-230	2
Serum, immune	Rabbit	Neut	VN-0286-300	2
<u>Type 6</u>				
Serum, immune	Monkey	Neut	VN-0287-230	2
Serum, immune	Rabbit	Neut	VN-0287-300	2
<u>Cytomegalovirus (AD169)</u>				
Serum, immune	Guinea Pig	CF	VL-0155-160	1
Serum, immune	Human	CF	VL-0155-210	1
Serum, immune	Human	CF, HAI	VU-0155-210	1
<u>Echovirus</u>				
<u>Type 1</u>				
Serum, immune	Rabbit	Neut	VN-0341-300	2
<u>Type 2</u>				
Serum, immune	Monkey	Neut	VN-0342-230	2
Serum, immune	Rabbit	Neut	VN-0342-300	2
<u>Type 3</u>				
Antigen		HAI	VD-0343	2
Serum, immune	Rabbit	Neut	VN-0343-300	2
<u>Type 4 (Pesascek)</u>				
Antigen		CF	VA-0344	2

VIRAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	<u>ml</u> Vial
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Echovirus (contd)

Type 4 (Pesascek) (contd)

Antigen, normal		CF	VC-0344	2
Serum, immune	Horse	CF	VL-0344-200	2
Serum, immune	Rabbit	Neut	VN-0344-300	2

Type 4 (Dutoit)

Serum, immune	Rabbit	Neut	VN-0382-300	2
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Type 4 (Shropshire)

Serum, immune	Rabbit	Neut	VN-0383-300	2
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Type 5

Serum, immune	Rabbit	Neut	VN-0345-300	2
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Type 6 (D'Amori)

Antigen		HAI	VD-0346	2
Serum, immune	Rabbit	Neut	VN-0346-300	2

Type 6' (Cox)

Serum, immune	Horse	Neut	VN-0347-200	2
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Type 6'' (Burgess)

Serum, immune	Rabbit	Neut	VN-0348-300	2
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Type 7

Antigen		HAI	VD-0349	2
Serum, immune	Monkey	Neut	VN-0349-230	2
Serum, immune	Rabbit	Neut	VN-0349-300	2

VIRAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	<u>ml</u> Vial
<u>Echovirus</u> (contd)				
<u>Type 8</u>				
Serum, immune	Rabbit	Neut	VN-0350-300	2
<u>Type 9 (TW-3)</u>				
Ascitic fluid, immune	Mouse	Neut	VN-0384-270	2
<u>Type 9 (Hill)</u>				
Serum, immune	Monkey	Neut	VN-0351-230	2
Serum, immune	Rabbit	Neut	VN-0351-300	2
<u>Type 11 (Gregory)</u>				
Serum, immune	Horse	Neut	VN-0353-200	2
Serum, immune	Rabbit	Neut	VN-0353-300	2
Serum, immune	Monkey	HAI	VN-0353-230	2
<u>Type 11' (Silva)</u>				
Serum, immune	Rabbit	Neut	VN-0381-300	2
<u>Type 12</u>				
Antigen		HAI	VD-0354	2
Serum, immune	Rabbit	Neut	VN-0354-300	2
<u>Type 13</u>				
Serum, immune	Rabbit	Neut	VN-0355-300	2
<u>Type 14</u>				
Serum, immune	Monkey	Neut	VN-0356-230	2
Serum, immune	Rabbit	Neut	VN-0356-300	2

VIRAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	<u>ml</u> Vial
<u>Echovirus</u> (contd)				
<u>Type 15</u>				
Serum, immune	Rabbit	Neut	VN-0357-300	2
<u>Type 16</u>				
Serum, immune	Rabbit	Neut	VN-0358-300	2
<u>Type 17</u>				
Serum, immune	Horse	Neut	VN-0359-200	2
Serum, immune	Rabbit	Neut	VN-0359-300	2
<u>Type 18</u>				
Serum, immune	Rabbit	Neut	VN-0360-300	2
<u>Type 19</u>				
Antigen		HAI	VD-0361	2
Serum, immune	Rabbit	Neut	VN-0361-300	2
<u>Type 20</u>				
Serum, immune	Rabbit	Neut	VN-0362-300	2
<u>Type 21</u>				
Serum, immune	Rabbit	Neut	VN-0363-300	2
<u>Type 22</u>				
Serum, immune	Rabbit	Neut	VN-0364-300	2
<u>Type 23</u>				
Serum, immune	Rabbit	Neut	VN-0365-300	2
<u>Type 24</u>				
Serum, immune	Rabbit	Neut	VN-0366-300	2

VIRAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	ml Vial
<u>Echovirus (contd)</u>				
<u>Type 25</u>				
Serum, immune	Rabbit	Neut	VN-0367-300	2
<u>Type 26</u>				
Serum, immune	Rabbit	Neut	VN-0368-300	2
<u>Type 27</u>				
Serum, immune	Rabbit	Neut	VN-0369-300	2
<u>Type 29</u>				
Serum, immune	Rabbit	Neut	VN-0371-300	2
<u>Type 30 (Bastianni)</u>				
Serum, immune	Rabbit	Neut	VN-0372-300	2
<u>Type 30 (PR17)</u>				
Serum, immune	Rabbit	Neut	VN-0378-300	2
<u>Type 30 (Frater)</u>				
Serum, immune	Rabbit	Neut	VN-0379-300	2
<u>Type 30 (Giles)</u>				
Serum, immune	Rabbit	Neut	VN-0380-300	2
<u>Type 31</u>				
Serum, immune	Rabbit	Neut	VN-0373-300	2
<u>Type 32</u>				
Serum, immune	Rabbit	Neut	VN-0374-300	2

VIRAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	<u>ml</u> <u>Vial</u>
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Echovirus (contd)

Type 33

Serum, immune	Rabbit	Neut	VN-0375-300	2
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Type 34

Serum, immune	Rabbit	Neut	VN-0376-300	2
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Herpesvirus hominis (Group Specific)

Antigen		CF	VA-0156	1
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Antigen, normal		CF	VC-0156	1
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Serum, immune	Guinea Pig	CF	VP-0156-160	1
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Serum, immune	Human	CF	VL-0156-210	1
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Serum, immune	Human	CF, IHA	VU-0156-210	1
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Herpesvirus hominis (Type Specific)

Serum, immune

Type 1	Rabbit	Neut	VN-0158-300	2
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Type 2	Rabbit	Neut	VN-0159-300	2
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VIRAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	<u>ml</u> Vial
<u>Infectious Mononucleosis</u>				
Serum, immune	Human	Ox Cell Hemolysin and Heterophile Tests	VY-0537-210	1
<u>Influenza A (Type specific)</u>				
Antigen, RNP		CF	VB-0162	2
Antigen, normal		CF	VC-0162	2
Serum, immune	Guinea Pig	CF	VL-0162-160	1
<u>Influenza A (Strain specific)</u>				
<u>A/Swine/1976/31(Hsw1N1)</u>				
Antigen		HAI	VD-0170	2
Serum, immune	Chicken	HAI	VM-0170-050	2
<u>A/PR/8/34(HON1)</u>				
Antigen		HAI	VD-0169	2
Serum, immune	Chicken	HAI	VM-0169-050	2
<u>A/FM/1/47(H1N1)</u>				
Antigen		CF, HAI	VE-0172	2
Serum, immune	Chicken	HAI	VM-0172-050	2
<u>A/FLW/1/52(H1N1)</u>				
Antigen		HAI	VD-0173	2
Serum, immune	Chicken	HAI	VM-0173-050	2

VIRAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	<u>ml</u> <u>Vial</u>
<u>Influenza A (Strain specific) (contd)</u>				
<u>A/Denver/1/57 (H1N1)</u>				
Antigen		HAI	VD-0174	2
Serum, immune	Chicken	HAI	VM-0174-050	2
<u>A/Japan/305/57 (H2N2)</u>				
Antigen		HAI	VD-0176	2
Serum, immune	Chicken	HAI	VM-0176-050	2
<u>A/Japan/170/62 (H2N2)</u>				
Antigen		HAI	VD-0177	2
Serum, immune	Chicken	HAI	VM-0177-050	2
<u>A/Taiwan/1/64 (H2N2)</u>				
Antigen		HAI	VD-0178	2
Serum, immune	Chicken	HAI	VM-0178-050	2
<u>A/Tokyo/3/67 (H2N2)</u>				
Antigen		HAI	VD-0184	2
Serum, immune	Chicken	HAI	VM-0184-050	2
<u>A/Aichi/2/68 (H3N2)</u>				
Antigen		HAI	VD-0187	2
Serum, immune	Chicken	HAI	VM-0187-050	2
<u>A/Hong Kong/8/68 (H3N2)</u>				
Antigen		HAI	VD-0185	2
Serum, immune	Chicken	HAI	VM-0185-050	2

VIRAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	<u>ml</u> <u>Vial</u>
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Influenza A (Strain specific) (contd)

A/equine/Prague/1/56 (Heq1Neq1)

Antigen		HAI	VD-0182	2
Serum, immune	Chicken	HAI	VM-0182-050	2

A/equine/Miami/1/63 (Heq2Neq2)

Antigen		HAI	VD-0181	2
Serum, immune	Chicken	HAI	VM-0181-050	2

A/equine/Milford/2/63 (Heq2Neq2)

Antigen		HAI	VD-0186	2
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A/England/42/72/ (H3N2)

Antigen		HAI	VD-0193	2
Serum, immune	Chicken	HAI	VM-0193	1

A/Strain - current Antigen

Antigen		HAI	VD-0000	2
Serum, immune	Chicken	HAI	VM-0000-050	2

Influenza B (Type specific)

Antigen, RNP		CF	VB-0166	2
Antigen, normal		CF	VC-0166	2
Serum, immune	Guinea Pig	CF	VL-0166-160	1
Serum, immune	Human	CF	VL-0166-210	2

VIRAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	ml Vial
<u>Influenza B (Strain specific)</u>				
<u>B/Lee/40</u>				
Antigen		HAI	VD-0200	2
Serum, immune	Chicken	HAI	VM-0200-050	2
<u>B/GL/1739/54</u>				
Antigen		HAI	VD-0202	2
Serum, immune	Chicken	HAI	VM-0202-050	2
<u>B/Maryland/1/59</u>				
Antigen		HAI	VD-0204	2
Serum, immune	Chicken	HAI	VD-0204-050	2
<u>B/Taiwan/2/62</u>				
Antigen		HAI	VD-0201	2
Serum, immune	Chicken	HAI	VM-0201-050	2
<u>B/Singapore/3/64</u>				
Antigen		HAI	VD-0205	2
Serum, immune	Chicken	HAI	VM-0205-050	2
<u>B/Massachusetts/3/66</u>				
Antigen		HAI	VD-0206	2
Serum, immune	Chicken	HAI	VM-0206-050	2
<u>B/Massachusetts/1/71</u>				
Antigen		HAI	VD-0208	2
Serum, immune	Chicken	HAI	VM-0208	1

VIRAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	<u>ml</u> <u>Vial</u>
<u>Influenza B (Strain specific) (contd)</u>				
<u>B/Victoria/98926/70</u>				
Antigen		HAI	VD-0207	2
Serum, immune	Chicken	HAI	VM-0207-050	2
<u>B/Strain - current</u>				
Antigen		HAI	VD-0000	2
Serum, immune	Chicken	HAI	VM-0000-050	1
<u>Influenza C</u>				
Antigen		CF	VB-0167	1
Antigen, normal		CF	VC-0167	1
Serum, immune	Guinea Pig	CF	VL-0167-160	2
<u>Influenza C (Strain specific)</u>				
<u>C/Taylor/1233/47</u>				
Antigen		HAI	VD-0225	2
Serum, immune	Chicken	HAI	VM-0225-050	2
Serum, immune	Goat	HAI	VM-0225-140	2
<u>C/GL/1167/54</u>				
Antigen		CF	VB-0227	2
Antigen		HAI	VD-0227	2
Serum, immune	Chicken	HAI	VM-0227-050	2
<u>Influenza Miscellaneous</u>				
Receptor Destroying Enzyme (RDE)	HAI		VO-9506	5
(<u>Vibrio cholerae</u> 4Z)				

VIRAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	ml Vial
<u>Lymphocytic choriomeningitis</u>				
Antigen		CF	VA-0492	1
Antigen, normal		CF	VC-0492	1
Serum, immune	Guinea Pig	CF	VL-0492-160	1
<u>Measles</u>				
Antigen		CF	VA-0538	1
Antigen, normal		CF	VC-0538	2
Antigen		HAI	VD-0538	2
Serum, immune	Goat	HAI	VM-0538-140	2
Serum, immune	Human	CF, HAI	VO-0538-210	1
Serum, immune	Monkey	CF, HAI	VO-0538-230	1
<u>Mumps Virus</u>				
Antigen, RNP		CF	VB-0241	2
Antigen, RNP, normal		CF	VC-0241	2
Antigen, viral		CF	VA-0241	2
Antigen, viral, normal		CF	VC-0241	2
Serum, immune	Guinea Pig	CF	VL-0241-160	2
Serum, immune	Human	CF	VL-0241-210	1
Antigen		HAI	VD-0241	2
Serum, immune	Horse	HAI, Neut	VQ-0241-200	2

VIRAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	ml Vial
<u>Newcastle Disease Virus</u>				
Antigen		HAI	VD-0240	2
Serum, immune	Chicken	HAI	VM-0240-050	2
<u>Parainfluenza 1</u>				
(C-39)				
Antigen		CF	VA-0243	1
Antigen, normal		CF	VC-0243	1
Serum, immune	Guinea Pig	CF	VL-0243-160	1
Antigen		HAI	VD-0243	1
Serum, immune	Goat	HAI	VM-0243-140	1
Serum, immune	Horse	HAI, Neut	VQ-0243-200	2
(Sendai)				
Antigen		CF	VA-0498	1
Antigen, normal		CF	VC-0498	1
Antigen		HAI	VD-0498	1
Serum, immune	Guinea Pig	CF	VL-0498-160	2
Serum, immune	Guinea Pig	CF, HAI	VO-0498-160	2
Serum, immune	Horse	HAI, Neut	VQ-0498-200	2

VIRAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	ml Vial
<u>Parainfluenza 2</u>				
<u>(Greer)</u>				
Antigen		CF	VA-0244	1
Antigen, normal		CF	VC-0244	1
Serum, immune	Guinea Pig	CF	VL-0244-160	1
Antigen		HAI	VD-0244	1
Serum, immune	Horse	HAI, Neut	VR-0244-200	2
Serum, immune	Rabbit	HAI	VM-0244-300	2
<u>(SV-5)</u>				
Antigen		CF	VA-0471	1
Antigen, normal		CF	VC-0471	1
Serum, immune	Guinea Pig	CF	VL-0471-160	1
Antigen		HAI	VD-0471	1
Serum, immune	Horse	HAI	VM-0471-200	2
Serum, immune	Rabbit	HAI	VM-0471-300	2
<u>(SV-41)</u>				
Antigen		HAI	VD-0473	1
Serum, immune	Rabbit	HAI	VM-0473-300	2

VIRAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	<u>ml</u> <u>Vial</u>
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Parainfluenza 3

(C-243)

Antigen		CF	VA-0245	1
Antigen, normal		CF	VC-0245	1
Serum, immune	Guinea Pig	CF	VL-0245-160	1
Antigen		HAI	VD-0245	1
Serum, immune	Goat	HAI	VM-0245-140	1
Serum, immune	Horse	HAI, Neut	VQ-0245-200	1

(SF-4)

Antigen		CF	VA-0239	1
Antigen, normal		CF	VC-0239	1
Antigen		HAI	VD-0239	1
Serum, immune	Guinea Pig	HAI	VM-0239-160	1

Parainfluenza 4A

(M-25)

Antigen		CF	VA-0249	1
Antigen, normal		CF	VC-0249	1
Serum, immune	Guinea Pig	CF	VL-0249	1

VIRAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	<u>ml</u> Vial
<u>Poliovirus</u>				
Serum, normal	Monkey	CF	VV-0276-230	2
<u>Type 1</u>				
Antigen		CF	VA-0277	2
Antigen, normal		CF	VC-0277	2
Serum, immune	Horse	CF, Neut	VP-0277-200	2
<u>Type 2</u>				
Antigen		CF	VA-0278	2
Antigen, normal		CF	VC-0278	2
Serum, immune	Horse	CF, Neut	VP-0278-200	2
Serum, immune	Monkey	Neut	VN-0278-230	2
<u>Type 3</u>				
Antigen		CF	VA-0279	2
Antigen, normal		CF	VC-0279	2
Serum, immune	Horse	CF, Neut	VP-0279-200	2
Serum, immune	Monkey	CF	VL-0279-230	2
<u>Polyvalent</u>				
Serum, immune	Horse	CF, Neut	VP-0280-200	2
<u>Rabies</u>				
Antigen, (CVS) 20% Mouse brain suspension		FA	V8-0544	0.5
Antigen, normal, 20% Mouse brain suspension		FA	V9-0544	0.5

VIRAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	ml Vial
<u>Rabies (contd)</u>				
Slides, (street) mouse brain impression		FA	V6-0544	5/box
Slides, normal mouse brain impression		FA	V7-0544	5/box
Serum, immune	Horse	Neut	VN-0544-200	0.5
Serum, immune	Human	Neut	VN-0544-210	0.5
Serum, normal	Human	Neut	VV-0544-210	0.5
Globulin, FITC, immune	Horse	FA	V2-0544-200	0.5
<u>Reovirus</u>				
<u>Type 1</u>				
Antigen		HAI	VD-0461	2
Serum, immune	Chicken	HAI	VM-0461-050	2
<u>Type 2</u>				
Antigen		HAI	VD-0462	2
Serum, immune	Chicken	HAI	VM-0462-050	2
<u>Type 3</u>				
Antigen		HAI	VD-0463	2
Serum, immune	Chicken	HAI	VM-0463-050	2
<u>Polyvalent (1,2,3)</u>				
Serum, immune	Goat	HAI, Neut	VQ-0465-200	2

VIRAL REFERENCE REAGENTS

Product	Host	Recommended Use	Catalog Number	ml Vial
<u>Respiratory Syncytial Virus</u>				
Antigen		CF	VA-0545	1
Antigen, normal		CF	VC-0545	1
Serum, immune	Guinea Pig	CF	VL-0545-160	1
Serum, immune	Horse	Neut	VN-0545-200	2
<u>Rhinovirus</u>				
(2060)				
Serum, immune	Horse	CF	VL-0402-200	2
<u>Rubella</u>				
Antigen		HAI	VD-0546	1
Plasma, immune	Human	HAI	VM-0546-210	1
**Serum, immune High Titer	Human	HAI	VM-0546-21H	1
**Serum, immune Low Titer	Human	HAI	VM-0546-21L	1
**Serum, normal	Human	HAI	VV-0546-210	1
<u>Smallpox</u>				
Serum, immune	Human	CF, HAI & Agar Gel	VT-0451-210	1

**Reagents are distributed as a group.

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