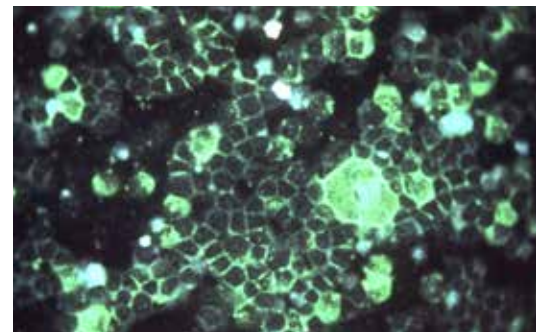
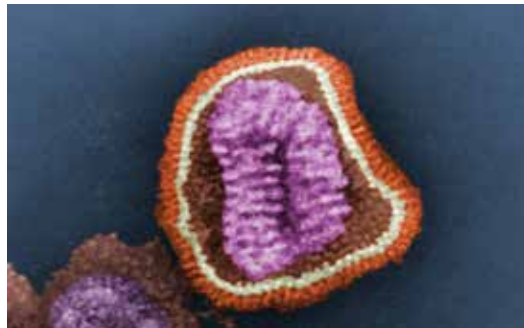


THE ESSENTIALS OF  
LIFE SCIENCE RESEARCH  
**GLOBALLY DELIVERED™**

## Human Respiratory Disease



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RESEARCH  
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DELIVERED™

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## RESOURCES FOR HUMAN INFECTIOUS RESPIRATORY DISEASE RESEARCH

Acute respiratory diseases are the leading cause of infectious disease morbidity and mortality in the world, contributing to nearly four million deaths annually<sup>1</sup>. Depending on the causative agent, these infections are characterized by a wide spectrum of symptoms ranging from asymptomatic or mild infection, such as rhinorrhea and odynophagia, to severe or chronic disease, such as bronchitis and pneumonia. Because the symptoms of many infectious respiratory diseases are non-specific, it is imperative that rapid and accurate diagnostic tests are available for clinical use.

ATCC offers a wide range of pathogenic microorganisms known to cause respiratory disease in humans, including the causative agents of:

- Influenza
- Pneumonia
- Legionnaires disease
- Tuberculosis
- Cryptococcosis
- Histoplasmosis

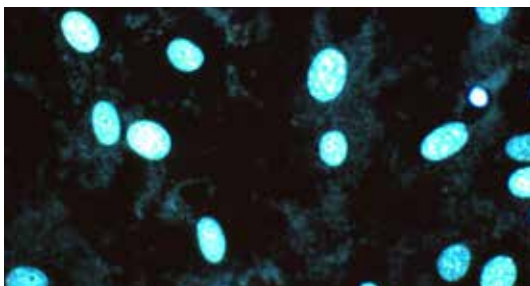
These strains are ideal for the development, verification, and evaluation of novel diagnostic assays and therapeutic treatments.

Let ATCC help you get your respiratory infectious disease research moving faster with ATCC Genuine Cultures®! Want to go straight to nucleic acids and skip *in vitro*? ATCC® Genuine Nucleics offers a growing selection of native, synthetic, and quantitative CRM nucleic acids for use in assay development and performance evaluation, such as inclusivity/exclusivity and limits of detection.

Visit us online at [www.atcc.org/respiratory](http://www.atcc.org/respiratory) to learn more about ATCC products that support reproducible and reliable respiratory disease research, including additional strains, cell lines, associated products, and relevant nucleic acids.

## Bacteria

| ATCC® No. | Organism  | Designation                          | Isolation  |
|-----------|---|--------------------------------------|--|
| BAA-2700™ | <i>Bordetella pertussis</i>                                 | H735                                 | Nasopharyngeal swab, California, USA, 2010   |
| BAA-2701™ | <i>Bordetella pertussis</i>                                 | H792                                 | Nasopharyngeal swab, Vermont, USA, 2010  |
| BAA-2702™ | <i>Bordetella pertussis</i>                                 | H898                                 | Nasopharyngeal swab, New York, USA   |
| BAA-2703™ | <i>Bordetella pertussis</i>                                 | H914                                 | Nasopharyngeal swab, Washington, USA   |
| BAA-2704™ | <i>Bordetella pertussis</i>                                 | H915                                 | Nasopharyngeal swab, Washington, USA   |
| BAA-2705™ | <i>Bordetella pertussis</i>                                 | H920                                 | Nasopharyngeal swab Washington, USA, 2011  |
| BAA-2707™ | <i>Bordetella pertussis</i>                                 | I028                                 | Nasopharyngeal swab, Washington, USA, 2012   |
| BAA-2708™ | <i>Bordetella pertussis</i>                                 | I135                                 | Nasopharyngeal swab, Minnesota, USA, 2012  |
| 10856™    | <i>Burkholderia cepacia</i>                                 | [NCPPB 1962]                         |  |
| 25609™    | <i>Burkholderia cepacia</i>                                 | [NCDC A977 (EO-1 group), NCTC 10744] | Bronchial washings, Greensboro, NC   |
| VR-1310™  | <i>Chlamydophila pneumoniae</i>                             | CWL-029                              |  |
| VR-1360™  | <i>Chlamydophila pneumoniae</i>                             | CM-1                                 |  |
| VR-1452™  | <i>Chlamydophila pneumoniae</i>                             | A03                                  |  |
| 8142™     | <i>Haemophilus influenzae</i>                               | AMC 36-A-7 [595, NCTC 8472]          |  |
| 9007™     | <i>Haemophilus influenzae</i>                               | AMC 36-A-5 [624, NCTC 8469]          | Sputum of patient with respiratory infection   |
| 9332™     | <i>Haemophilus influenzae</i>                               | 522 [D99, NCTC 8470, d2, g]          | Throat culture   |
| 10211™    | <i>Haemophilus influenzae</i>                               | AMC 36-A-1 [572]                     |  |
| 35056™    | <i>Haemophilus influenzae</i>                               | [CIP 103777]                         | Beta-lactamase positive, Upper respiratory infection   |
| 49247™    | <i>Haemophilus influenzae</i>                               | TD-4                                 | Expectorated sputum from a 76 year-old human male with pneumonia, Worcester Massachusetts, January, 1984 |
| 49766™    | <i>Haemophilus influenzae</i>                               | L-378                                | Lung abscess of 57-year-old patient  |
| 53600™    | <i>Haemophilus influenzae</i>                               | 1479                                 | Sputum of patient with chronic bronchitis  |
| BAA-1705™ | <i>Klebsiella pneumoniae</i>                                | ART 2008133 [D-05, 1338]             | 2007 CAP Survey; 42 year old male, urine   |
| BAA-2342™ | <i>Klebsiella pneumoniae</i>                                | 1101160                              | Clinical specimen  |
| BAA-1899™ | <i>Klebsiella pneumoniae</i>                                |                                      | Human, Northern Virginia, USA  |
| BAA-1903™ | <i>Klebsiella pneumoniae</i>                                |                                      | Human, Pennsylvania, USA   |
| BAA-1905™ | <i>Klebsiella pneumoniae</i>                                |                                      | Human, New York City, USA, 2008  |
| 11296™    | <i>Klebsiella pneumoniae</i> subsp. <i>ozaenae</i>          | AMC 35-E-5 [NCTC 5050]               |  |
| 29019™    | <i>Klebsiella pneumoniae</i> subsp. <i>ozaenae</i>          | CDC 2826-74                          | Sputum, South Carolina Dept. of Health and Environmental Control   |
| 13883™    | <i>Klebsiella pneumoniae</i> subsp. <i>pneumoniae</i>       | NCTC 9633 [NCDC 298-53, NCDC 410-68] |  |
| 700721™   | <i>Klebsiella pneumoniae</i> subsp. <i>pneumoniae</i>       | MGH78578                             | Sputum from a 66 year-old man, 1994  |
| BAA-2470™ | <i>Klebsiella pneumoniae</i> subsp. <i>pneumoniae</i>       | 1002565                              | Respiratory sample   |
| BAA-2472™ | <i>Klebsiella pneumoniae</i> subsp. <i>pneumoniae</i>       | 1100975                              | Respiratory sample   |
| 6908™     | <i>Klebsiella pneumoniae</i> subsp. <i>rhinoscleromatis</i> | NCTC 1936 [NCDC 415-68]              | Rhinoscleroma in a Malay woman   |
| 13884™    | <i>Klebsiella pneumoniae</i> subsp. <i>rhinoscleromatis</i> | NCTC 5046 [NCDC 417-68, R-70]        | Nose of patient in Sumatra   |
| 43106™    | <i>Legionella pneumophila</i>                               | Allentown 1 [NCTC 12024]             |  |
| BAA-74™   | <i>Legionella pneumophila</i>                               | F1724 [130b, AA100]                  | Transtracheal aspirate, 1978   |



## MYCOPLASMA RESPIRATORY INFECTION

*Mycoplasma pneumoniae* is a human pathogen known to cause the disease mycoplasma pneumonia, a form of atypical pneumonia. The symptoms of this illness are generally mild, and are frequently associated with upper respiratory tract disease. Visit us online at [www.atcc.org](http://www.atcc.org) to find the strains and associated nucleic acids you need to detect and prevent the spread of mycoplasma. For information on how these strains can affect cell cultures, visit our mycoplasma quality control page at [www.atcc.org/mycoplasmaqrms](http://www.atcc.org/mycoplasmaqrms).

## Bacteria (continued)

| ATCC® No. | Organism  | Designation                 | Isolation   |
|-----------|---|-----------------------------|---|
| 33156™    | <i>Legionella pneumophila</i> subsp. <i>fraseri</i>     | Los Angeles-1               | Human lung  |
| 35251™    | <i>Legionella pneumophila</i> subsp. <i>fraseri</i>     | Lansing 3                   | Human lung tissue   |
| 33152™    | <i>Legionella pneumophila</i> subsp. <i>pneumophila</i> | Philadelphia-1              | Human lung  |
| 33215™    | <i>Legionella pneumophila</i> subsp. <i>pneumophila</i> | Chicago 2                   | Human lung biopsy   |
| 43283™    | <i>Legionella pneumophila</i> subsp. <i>pneumophila</i> | Leiden 1 [Le 1, NCTC 12000] | Respiratory tract secretions, the Netherlands                                       |
| 43290™    | <i>Legionella pneumophila</i> subsp. <i>pneumophila</i> | 570-CO-H                    | Human lung tissue   |
| 43736™    | <i>Legionella pneumophila</i> subsp. <i>pneumophila</i> | 82A3105                     | Lung aspirate, California   |
| 25177™    | <i>Mycobacterium tuberculosis</i>                       | H37Ra                       |   |
| 35801™    | <i>Mycobacterium tuberculosis</i>                       | TMC 107 [Erdman]            | Human sputum  |
| 35806™    | <i>Mycobacterium tuberculosis</i>                       | TMC 112 [Hand]              | Human sputum  |
| BAA-812™  | <i>Mycobacterium tuberculosis</i>                       | CDC-MPEP 200206 [H]         | Human clinical specimen, United States, October 13, 1998                            |
| BAA-2236™ | <i>Mycobacterium tuberculosis</i>                       | X004439                     | Human sputum from patient with pulmonary tuberculosis, San Francisco, CA, USA, 2002 |
| BAA-2514™ | <i>Mycobacterium tuberculosis</i>                       | Rv-narGHJI-KO+306narGHJI    | Laboratory-engineered strain  |
| BAA-2516™ | <i>Mycobacterium tuberculosis</i>                       | Rv-glpK-KO+306glpK          | Laboratory-engineered strain  |
| BAA-2517™ | <i>Mycobacterium tuberculosis</i>                       | Rv+262glpK                  | Laboratory-engineered strain  |
| BAA-2518™ | <i>Mycobacterium tuberculosis</i>                       | Rv+306hsp-glpK              | Laboratory-engineered strain  |
| BAA-2519™ | <i>Mycobacterium tuberculosis</i>                       | Rv-pdx1-KO+306pdx1          | Laboratory-engineered strain  |
| BAA-2520™ | <i>Mycobacterium tuberculosis</i>                       | Rv +306glyol                | Laboratory-engineered strain  |
| BAA-2521™ | <i>Mycobacterium tuberculosis</i>                       | Rv+262rv0577                | Laboratory-engineered strain  |
| 15492™    | <i>Mycoplasma pneumoniae</i>                            | [Mac]                       | Human lung tissue   |

## PNEUMOCOCCAL POLYSACCHARIDES

Diseases caused by the bacterium *Streptococcus pneumoniae* are a major global health concern. Millions of people become infected with this pathogen each year, developing serious conditions such as pneumonia, meningitis, and otitis media. The severity of these pneumococcal diseases is primarily attributed to variations in the composition and structure of the capsular antigen. To aid in your research, ATCC offers 25 types of purified pneumococcal polysaccharides in three package sizes. To view a full listing of these materials, visit our website at [www.atcc.org/polysaccharides](http://www.atcc.org/polysaccharides).

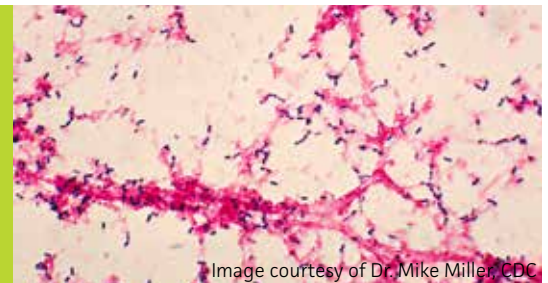


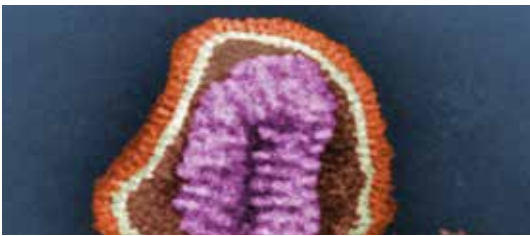
Image courtesy of Dr. Mike Miller, CDC

## Bacteria

| ATCC® No. | Organism                        | Designation                           | Isolation  |
|-----------|---------------------------------|---------------------------------------|--|
| 15531™    | <i>Mycoplasma pneumoniae</i>    | FH strain of Eaton Agent [NCTC 10119] | Isolated by Hayflick from monkey kidney tissue-culture fluids of the FH strain (Eaton Agent Virus) supplied by C. Liu, who recovered this strain in embryonated eggs from a student with atypical pneumonia. |
| 29085™    | <i>Mycoplasma pneumoniae</i>    | PI 1428                               | Throat of patient with atypical pneumonia  |
| 29342™    | <i>Mycoplasma pneumoniae</i>    | M129-B7                               | Patient with pneumonia   |
| 17831™    | <i>Pseudomonas aeruginosa</i>   | 416 [NCPPB 1966, PJ 491]              | Post-mortem lung   |
| 27318™    | <i>Pseudomonas aeruginosa</i>   | PD-05154 [NCIB 10781, S-3, VAD-S3]    | Human lung   |
| 39324™    | <i>Pseudomonas aeruginosa</i>   | 2192                                  | Sputum from a cystic fibrosis patient, Boston, MA  |
| 51677™    | <i>Pseudomonas aeruginosa</i>   | AB181                                 | Sputum from a cystic fibrosis patient, London, England   |
| 6303™     | <i>Streptococcus pneumoniae</i> | [CIP 104225]                          |  |
| 49619™    | <i>Streptococcus pneumoniae</i> | 262 [CIP 104340]                      | Sputum of 75-year-old male, Phoenix, AZ  |
| 700677™   | <i>Streptococcus pneumoniae</i> | Slovakia 14-10 [29055]                | Human patient, Czechoslovakia, 1987  |
| BAA-255™  | <i>Streptococcus pneumoniae</i> | R6                                    |  |
| BAA-659™  | <i>Streptococcus pneumoniae</i> | 97-1177 [North Carolina 6A-23]        | Human clinical specimen, North Carolina, United States   |

## Fungi

| ATCC® No. | Organism                       | Designation         | Isolation   |
|-----------|--------------------------------|---------------------|---|
| 13073™    | <i>Aspergillus fumigatus</i>   | 5233 [NIH 5233]     | Human pulmonary lesion, Maryland                                  |
| MYA-3626™ | <i>Aspergillus fumigatus</i>   | T33439              | California, United States   |
| MYA-3627™ | <i>Aspergillus fumigatus</i>   | FG 1432             | Jacksonville Tennessee, United States                             |
| MYA-4609™ | <i>Aspergillus fumigatus</i>   | CBS 101355 [AF 293] |   |
| 14248™    | <i>Cryptococcus gattii</i>     | 110 [CBS 883]       | Skin of patient with blastomycosis                                |
| 56989™    | <i>Cryptococcus gattii</i>     | RV 5265             | Cerebrospinal fluid, human, Zaire                                 |
| 56991™    | <i>Cryptococcus gattii</i>     | RV 25803            | Human, Zaire  |
| MYA-4093™ | <i>Cryptococcus gattii</i>     | A1M R265            | Bronchial alveolar lavage, Duncan, Vancouver Island, B.C. Canada. |
| MYA-4560™ | <i>Cryptococcus gattii</i>     | WM179 [CBS 10078]   | Human, Australia  |
| MYA-4877™ | <i>Cryptococcus gattii</i>     | A6MR38 [CBS 11545]  | CSF of immunocompetent human, Oregon, USA                         |
| 13690™    | <i>Cryptococcus neoformans</i> | D                   | Human cryptococcal meningitis                                     |
| 24067™    | <i>Cryptococcus neoformans</i> | 52 [52D, CDC B3179] | Human cerebrospinal fluid, Maryland, USA                          |
| 34877™    | <i>Cryptococcus neoformans</i> | NIH 76              | Cerebrospinal fluid   |
| 36556™    | <i>Cryptococcus neoformans</i> | 613 [61-11756]      | Human spleen and lung   |



## INFLUENZA RESEARCH MATERIALS

Major disease outbreaks are associated with the circulation of Influenza virus types A and B in the human population. ATCC offers a number of examples of each virus type from a variety of geographical sources, grown in chicken embryos and tissue culture. To view a full listing of these strains, as well as associated antisera, RNA, and monoclonal antibodies, visit ATCC online at [www.atcc.org/respiratory](http://www.atcc.org/respiratory).

## Fungi

| ATCC® No. | Organism   | Designation                 | Isolation  |
|-----------|--|-----------------------------|--|
| 62066™    | <i>Cryptococcus neoformans</i>                     | 6                           | Clinical isolate, France   |
| MYA-4565™ | <i>Cryptococcus neoformans</i>                     | WM626 [CBS 10084]           | Human, Australia.  |
| 208821™   | <i>Cryptococcus neoformans</i> var. <i>grubii</i>  | H99 [H99]P, NYSD 1649]      | Patient with Hodgkin's disease, New York   |
| 8136™     | <i>Histoplasma capsulatum</i>                      | [ATCC 8296]                 |  |
| 12700™    | <i>Histoplasma capsulatum</i>                      | 6624 [ATCC 28307, CDC A811] | Sputum, Ohio   |
| 24867™    | <i>Histoplasma capsulatum</i>                      | 105 [CDC 105]               | Human spleen   |
| 26032™    | <i>Histoplasma capsulatum</i>                      | G-217B                      | Human, Louisiana   |
| 32281™    | <i>Histoplasma capsulatum</i> var. <i>duboisii</i> | RV 26821                    | Human histoplasmosis, Belgium  |
| PRA-159™  | <i>Pneumocystis carinii</i>                        | M167-6                      | Isolated by M Collins from the lungs of an immunosuppressed Lewis male rat ( <i>Rattus norvegicus</i> ), Cincinnati, OH, October 2003. |
| PRA-111™  | <i>Pneumocystis murina</i>                         |                             | Cultured <i>in vivo</i> , rat lung tissue  |

## Viruses

| ATCC® No. | Organism                             | Designation   | Isolation   |
|-----------|--------------------------------------|---|---|
| VR-1816™  | Recombinant Adeno-associated virus 8 | Recombinant Adeno-associated Virus 8 Reference Standard Stock (rAAV8-RSS) |   |
| VR-1558™  | Betacoronavirus 1                    | OC43  |   |
| VR-1™     | Human adenovirus 1                   | Adenoid 71  |   |
| VR-3™     | Human adenovirus 3                   | GB  |   |
| VR-1572™  | Human adenovirus 4                   | RI-67   |   |
| VR-5™     | Human adenovirus 5                   | Adenoid 75  |   |
| VR-1516™  | Human adenovirus 5                   | Adenovirus Type 5 Reference Material                                      |   |
| VR-7™     | Human adenovirus 7                   | Gomen   |   |
| VR-848™   | Human adenovirus 7a                  | S-1058  | Presumed from throat swab from case of undifferentiated respiratory infection, Maryland |
| VR-1815™  | Human adenovirus 8                   | Trim  | Presumed to be from a case of epidemic keratoconjunctivitis, California, 1955.          |

## Viruses (continued)

| ATCC® No. | Organism                                    | Designation                   | Isolation   |
|-----------|---|-------------------------------|---|
| VR-1818™  | Human adenovirus 10                         | Trim-ATCC                     | Presumed to be from a case of epidemic keratoconjunctivitis, California, 1955.              |
| VR-12™    | Human adenovirus 11                         | Slobitski                     | Feces, human, Massachusetts, United States  |
| VR-863™   | Human adenovirus 12                         | Huie                          | Stool from case of suspected poliomyelitis, Massachusetts                                   |
| VR-15™    | Human adenovirus 14                         | de Wit                        | Throat washings of recruit with acute respiratory illness, Netherlands, 1955                |
| VR-19™    | Human adenovirus 18                         | D.C.                          | Anal swab from child with Niemann-Pick syndrome, Washington, DC, 1954                       |
| VR-718™   | Human adenovirus 35                         | Holden                        | Lung and kidney tissues from 61-year-old woman who died with diffuse interstitial pneumonia |
| VR-740™   | Human coronavirus 229E                      | 229E                          |   |
| VR-1823™  | Human Enterovirus D68                       | US/MO/14-18947                | Nasopharyngeal swab from patient with respiratory illness, Missouri, September 2014         |
| VR-1824™  | Human Enterovirus D68                       | US/IL/14-18952                | Nasopharyngeal swab from patient with respiratory illness, Illinois, September 2014         |
| VR-1825™  | Human Enterovirus D68                       | US/KY/14-18953                | Nasopharyngeal swab from patient with respiratory illness, Kentucky, September 2014         |
| VR-94™    | Human parainfluenza virus 1                 | C35                           |   |
| VR-92™    | Human parainfluenza virus 2                 | Greer                         |   |
| VR-93™    | Human parainfluenza virus 3                 | C 243                         |   |
| VR-1378™  | Human parainfluenza virus 4a                | M-25                          |   |
| VR-1377™  | Human parainfluenza virus 4b                | CH 19503                      |   |
| VR-26™    | Human respiratory syncytial virus           | Long                          |   |
| VR-955™   | Human respiratory syncytial virus           | 9320                          |   |
| VR-1400™  | Human respiratory syncytial virus           | B WV/14617/85                 |   |
| VR-1540™  | Human respiratory syncytial virus           | A2                            |   |
| VR-1540P™ | Human respiratory syncytial virus, Purified | A2                            |   |
| VR-1580™  | Human respiratory syncytial virus           | 18537                         |   |
| VR-1803™  | Human respiratory syncytial virus           | ATCC-2012-11                  | Specimen from a clinical patient in Virginia, 2012  |
| VR-1559™  | Human rhinovirus 1A                         | 2060                          | Derived from existing strain  |
| VR-488™   | Human rhinovirus 8                          | MRH [MRH-CV12]                | Human throat washings   |
| VR-1567™  | Human rhinovirus 11                         | 1 [1-CV-15]                   | Derived from existing strain  |
| VR-284™   | Human rhinovirus 14                         | 1059                          |   |
| VR-283™   | Human rhinovirus 16                         | 11757                         |   |
| VR-507™   | Human rhinovirus 34                         | 137-3                         | Human throat washings   |
| VR-340™   | Human rhinovirus 39                         | 209                           |   |
| VR-1197™  | Human rhinovirus 87                         | FO2-3607 Corn [V-194-001-021] |   |
| VR-1300™  | Human rhinovirus 100                        | K6579                         | Upper respiratory tract   |
| VR-95™    | Influenza A virus (H1N1)                    | A/PR/8/34                     |   |
| VR-96™    | Influenza A virus (H1N1)                    | A/Weiss/43                    | Patient in United States, 1943  |
| VR-97™    | Influenza A virus (H1N1)                    | A/FM/1/47                     |   |
| VR-98™    | Influenza A virus (H1N1)                    | A/Mal/302/54                  | Patient in Malaya, 1954   |
| VR-219™   | Influenza A virus (H1N1)                    | A/NWS/33                      |   |
| VR-544™   | Influenza A virus (H3N2)                    | A/Hong Kong/8/68              |   |
| VR-546™   | Influenza A virus (H1N1)                    | A/Denver/1/57                 |   |
| VR-547™   | Influenza A virus (H3N2)                    | A/Aichi/2/35                  |   |
| VR-776™   | Influenza A virus (H3N2)                    | A/Alice                       | Derived from MRC-2 (recombinant)  |
| VR-777™   | Influenza A virus (H3N2)                    | MRC 2                         | Human (recombinant A/England/42/72 and A/PR8/34 influenza strains)                          |
| VR-810™   | Influenza A virus (H3N2)                    | A/Port Chalmers/1/73          |   |
| VR-822™   | Influenza A virus (H3N2)                    | A/Victoria/3/75               |   |
| VR-825™   | Influenza A virus (H1N1)                    | A/WS/33                       |   |

## Viruses (continued)

| ATCC® No. | Organism                 | Designation                   | Isolation  |
|-----------|--------------------------|-------------------------------|--|
| VR-897™   | Influenza A virus (H1N1) | A/New Jersey/8/76 (Hsw N1)    |  |
| VR-1469™  | Influenza A virus (H1N1) | A/PR/8/34                     |  |
| VR-1520™  | Influenza A virus (H1N1) | A/WS/33                       |  |
| VR-1679™  | Influenza A virus (H3N2) | A/Hong Kong/8/68              |  |
| VR-1680™  | Influenza A virus (H3N2) | A/Aichi/2/68                  |  |
| VR-1736™  | Influenza A virus (H1N1) | A/Virginia/ATCC1/2009         | This item was isolated in tissue culture.  |
| VR-1737™  | Influenza A virus (H1N1) | A/Virginia/ATCC2/2009         |  |
| VR-1738™  | Influenza A virus (H1N1) | A/Virginia/ATCC3/2009         | This item was isolated in tissue culture.  |
| VR-1754™  | Influenza A virus (H1N1) | A/Fort Monmouth/1/1947 (H1N1) |  |
| VR-1811™  | Influenza A virus        | A/Virginia/ATCC6/2012         | Clinical specimen from a patient in Virginia, 2012.                                    |
| VR-101™   | Influenza B virus        | B/Lee/40                      |  |
| VR-102™   | Influenza B virus        | B/Allen/45                    |  |
| VR-103™   | Influenza B virus        | B/GL/1739/54                  |  |
| VR-295™   | Influenza B virus        | B/Taiwan/2/62                 |  |
| VR-296™   | Influenza B virus        | B/Maryland/1/59               |  |
| VR-523™   | Influenza B virus        | B/Mass/3/66                   | Throat washings from patient in US, 1966   |
| VR-786™   | Influenza B virus        | B/Brigit                      | Human case of influenza type B/Russia/69   |
| VR-787™   | Influenza B virus        | B/R5                          | Recombinant of B/Hong Kong/8/73 (ATCC® VR-792™) and influenza B/Brigit (ATCC® VR-786™) |
| VR-788™   | Influenza B virus        | B/R22 Barbara                 | Recombinant of B/Hong Kong/5/72 (ATCC® VR 791™) and B/Brigit (ATCC® VR 786™)           |
| VR-789™   | Influenza B virus        | B/R75                         | Derived from a cross of existing strains   |
| VR-790™   | Influenza B virus        | B/Russia/69                   | Influenza patient  |
| VR-823™   | Influenza B virus        | B/Hong Kong/5/72              |  |
| VR-1535™  | Influenza B virus        | B/Lee/40                      |  |
| VR-1735™  | Influenza B virus        | B/Taiwan/2/62                 |  |
| VR-1784™  | Influenza B virus        | B/Virginia/ATCC4/2009         |  |
| VR-1807™  | Influenza B virus        | B/Virginia/ATCC5/2012         | Clinical specimen from a patient in Virginia, 2012.                                    |
| VR-1804™  | Influenza B virus        | B/Florida/4/2006              | Human, Florida, 2006   |
| VR-1813™  | Influenza B virus        | B/Massachusetts/2/2012        | Human, Massachusetts, 2012   |
| VR-1782™  | Parainfluenza 3          | ATCC-2011-5                   |  |
| VR-483™   | Rhinovirus 3             | FEB                           | Human throat washings  |
| VR-495™   | Rhinovirus 20            | 15 [15-CV19]                  | Human throat washings  |
| VR-496™   | Rhinovirus 21            | 47 [47-CV21]                  | Human throat washings  |
| VR-498™   | Rhinovirus 23            | 5124 [5124-CV24]              | Human throat washings  |
| VR-499™   | Rhinovirus 24            | 5146 [5146-CV25]              | Human throat washings  |
| VR-1661™  | Rhinovirus 54            | FO 1-3774                     | Human throat washings  |
| VR-1199™  | Rhinovirus 89            | 41467 Gallo [V-196-001-021]   |  |
| VR-105™   | Sendai virus             | Sendai/52                     |  |
| VR-907™   | Sendai virus             | Cantell                       |  |

Some of the strains referenced in this guide are not available for international distribution. Visit us online at [www.atcc.org](http://www.atcc.org) to check the availability of specific strains in certain geographical areas. Though each of the following species has been shown to cause respiratory disease in humans, ATCC has not tested individual strains for pathogenicity.

## REFERENCES

1. World Health Organization. Infection prevention and control of epidemic- and pandemic-prone acute respiratory diseases in health care. WHO Interim Guidelines, 2007.
2. Centers for Disease Control and Prevention. Respiratory syncytial virus infection (RSV), 2013. [www.cdc.gov/rsv/](http://www.cdc.gov/rsv/)



See our online catalog at [www.atcc.org/respiratory](http://www.atcc.org/respiratory) for a full description of each item.

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