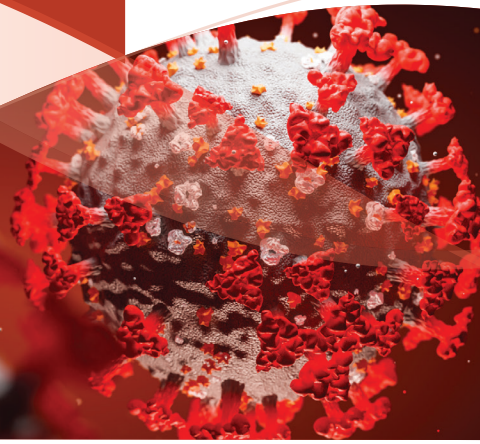
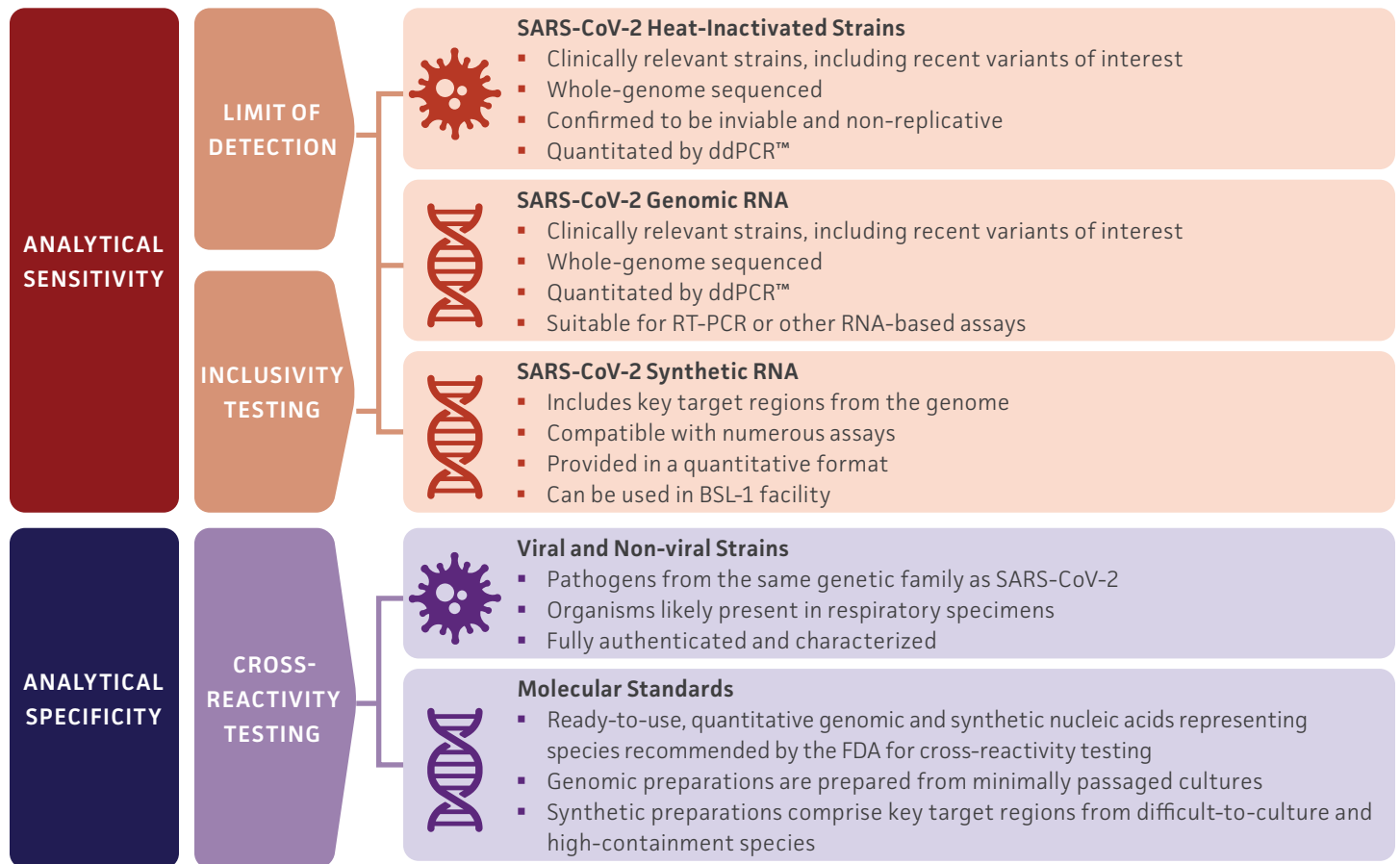


PRODUCT SPOTLIGHT



SARS-COV-2 MOLECULAR DIAGNOSTICS DEVELOPMENT RELIABLE DIAGNOSTIC TOOLS DEPEND ON CREDIBLE REFERENCE MATERIALS

The highly pathogenic nature and transmission dynamics of SARS-CoV-2 have necessitated the availability of rapid, robust detection methods to ensure that infected individuals are treated in a timely manner. For SARS-CoV-2 molecular diagnostics manufacturers moving from emergency use (EUA) to 510(k) premarket submission to the US Food & Drug Administration (FDA), robust testing must be performed to demonstrate that the device is safe and effective as well as substantially equivalent to legally marketed devices. To support these validation studies, ATCC provides an extensive array of authenticated and clinically relevant materials for evaluating limit of detection, inclusivity, and cross-reactivity.



EXPLORE OUR GROWING PORTFOLIO OF CORONAVIRUS RESOURCES AT WWW.ATCC.ORG/CORONAVIRUS

EXPLORE OUR PORTFOLIO

Our extensive collection includes a variety of viral and non-viral strains and molecular standards representing species recommended by the FDA for SARS-CoV-2 molecular diagnostics development.

- SARS-CoV-2 reference materials
- High priority pathogens from the same genetic family as SARS-CoV-2
- High priority organisms likely present in respiratory specimens

Find the materials you need at www.atcc.org/SARS-CoV-2_Diagnostics or use the links in the tables below.

Table 1: Viruses (SARS-CoV-2 related)

Organism	Heat-inactivated Strains	Live Strains	Genomic Nucleic Acids	Synthetic Nucleic Acids
SARS-CoV-2	✓		✓	✓
Human coronavirus 229E		✓	✓	
Human coronavirus HKU1				✓
Human coronavirus NL63				✓
Human coronavirus OC43		✓	✓	
MERS-CoV				✓
SARS-CoV				✓

Table 2: Viruses

Organism	Heat-inactivated Strains	Live Strains	Genomic Nucleic Acids	Synthetic Nucleic Acids
Adenovirus 1		✓	✓	
Adenovirus 4		✓	✓	
Adenovirus 7		✓	✓	
Bocavirus				✓
Cytomegalovirus (HHV-5)		✓	✓	
Enterovirus A (EV-A71)		✓		
Enterovirus B (Echovirus 6)		✓		
Enterovirus C (Coxsackievirus A17)		✓		
Enterovirus D (68)		✓	✓	
Epstein-Barr virus (HHV-4)		✓		✓
Human herpesvirus 1		✓	✓	
Human herpesvirus 2		✓	✓	
Human metapneumovirus				✓
Influenza A virus subtype H1		✓	✓	
Influenza A virus subtype H3		✓	✓	
Influenza B virus		✓	✓	
Measles virus		✓	✓	
Mumps virus		✓	✓	
Parainfluenza virus 1		✓	✓	
Parainfluenza virus 2		✓	✓	
Parainfluenza virus 3		✓	✓	
Parainfluenza virus 4		✓	✓	
Respiratory syncytial virus		✓	✓	
Rhinovirus		✓	✓	

Table 3: Bacteria


Organism	Heat-inactivated Strains	Live Strains	Genomic Nucleic Acids	Synthetic Nucleic Acids
<i>Acinetobacter calcoaceticus</i>		✓		
<i>Bordetella avium</i>		✓		
<i>Bordetella bronchiseptica</i>		✓	✓	
<i>Bordetella hinzii</i>		✓		
<i>Bordetella holmesii</i>		✓	✓	
<i>Bordetella parapertussis</i>		✓	✓	
<i>Bordetella pertussis</i>		✓	✓	
<i>Chlamydia pneumoniae</i>		✓	✓	
<i>Chlamydia trachomatis</i>		✓	✓	✓
<i>Corynebacterium diphtheriae</i>		✓	✓	
<i>Escherichia coli</i>		✓	✓	
<i>Fluoribacter bozemanae</i>		✓		
<i>Fluoribacter dumoffii</i> (Currently <i>Legionella dumoffii</i>)		✓		
<i>Haemophilus influenzae</i>		✓	✓	
<i>Klebsiella aerogenes</i>		✓	✓	
<i>Klebsiella oxytoca</i>		✓	✓	
<i>Klebsiella pneumoniae</i>		✓	✓	
<i>Lactobacillus acidophilus</i>		✓	✓	
<i>Lactobacillus plantarum</i>		✓	✓	
<i>Legionella feeleii</i>		✓		
<i>Legionella longbeachae</i>		✓	✓	
<i>Legionella pneumophila</i>		✓	✓	
<i>Moraxella catarrhalis</i>		✓	✓	
<i>Mycobacterium tuberculosis</i>		✓	✓	
<i>Mycoplasma genitalium</i>		✓	✓	✓
<i>Mycoplasma hominis</i>		✓	✓	
<i>Mycoplasma orale</i>		✓	✓	
<i>Mycoplasma pneumoniae</i>		✓	✓	
<i>Neisseria elongata</i>		✓		
<i>Neisseria gonorrhoeae</i>		✓	✓	
<i>Neisseria meningitidis</i>		✓	✓	
<i>Proteus mirabilis</i>		✓	✓	
<i>Pseudomonas aeruginosa</i>		✓	✓	
<i>Staphylococcus aureus</i>		✓	✓	
<i>Staphylococcus epidermidis</i>		✓	✓	
<i>Serratia marcescens</i>		✓	✓	
<i>Stenotrophomonas maltophilia</i>		✓	✓	
<i>Streptococcus agalactiae</i>		✓	✓	
<i>Streptococcus pneumoniae</i>		✓	✓	
<i>Streptococcus pyogenes</i>		✓	✓	
<i>Staphylococcus epidermidis</i>		✓	✓	
<i>Streptococcus salivarius</i>		✓	✓*	
<i>Tatlockia micdadei</i>		✓	✓	
<i>Ureaplasma urealyticum</i>		✓		✓


Table 4: Fungi

Organism	Heat-inactivated Strains	Live Strains	Genomic Nucleic Acids	Synthetic Nucleic Acids
<i>Aspergillus flavus</i>		✓	✓	
<i>Aspergillus fumigatus</i>		✓	✓	
<i>Candida albicans</i>		✓	✓	
<i>Cryptococcus neoformans</i>		✓	✓	
<i>Pneumocystis jirovecii</i>				✓

*A quantitative genomic format is not currently available for this product

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