

**CoV OC43 Probe****Intended Use**

Analyte Specific Reagent (ASR). Analytical and performance characteristics are not established. This ASR is intended to be used as a component of a laboratory developed test (LDT) used exclusively by laboratories. Laboratories may develop their own LDTs using one or more ASRs and/or general laboratory reagents for *in vitro* diagnostic purposes.

**Product Description**

The Coronavirus (CoV) OC43 Probe ASR contains an oligonucleotide designed to detect the ORF 1a gene of CoV OC43. The oligonucleotide contains a 5' FAM label and an internal BHQ-1 label.

**Materials Provided**

CoV OC43 Probe (Cat. No. PRD-05591)

Component	Quantity	Concentration
Tubes	1 x 0.53 mL	25 µmol/L

**Warnings and Precautions**

- A. Analytical and performance characteristics are not established.
- B. Use routine laboratory precautions. Wear disposable, powderless gloves, protective eye wear, and laboratory coats when handling specimens and kit reagents. Wash hands thoroughly after handling reagents.
- C. Dispose of all materials that have come in contact with reagents according to local, state, and federal regulations.

**Quality Control**

This analyte specific reagent was manufactured and released in accordance with the Hologic quality control and quality assurance procedures.

**Storage and Handling**

Upon receipt, store material at -15 to -85 °C. Multiple freeze/thaw cycles should be minimized by appropriate aliquoting and should not exceed 3 freeze/thaw cycles.

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## ***In silico* Binding Affinity**

The CoV OC43 probe covers 100% of the aligned Human Coronavirus OC43 sequences available in the NCBI Database\*.

Additionally, the CoV OC43 probe did not show binding affinity for the organisms indicated in the table below or to human DNA.

Adenovirus-Type 1	Flu B	<i>Mycoplasma genitalium</i>
Bocavirus	<i>Haemophilus influenzae</i>	<i>Mycoplasma hominis</i>
<i>Bordetella bronchiseptica</i>	Human DNA	<i>Mycoplasma pneumoniae</i>
<i>Bordetella holmseii</i>	Human metapneumovirus	<i>Neisseria elongata</i>
<i>Bordetella parapertussis</i>	Human Parainfluenza virus 1	<i>Neisseria meningitidis</i>
<i>Bordetella pertussis</i>	Human Parainfluenza virus 2	<i>Pseudomonas aeruginosa</i>
<i>Candida albicans</i>	Human Parainfluenza virus 3	Rhinovirus
<i>Chlamydia trachomatis</i>	Human Parainfluenza virus 4	RSV
CMV	<i>Lactobacillus acidophilus</i>	<i>Staphylococcus aureus</i>
<i>Corynebacterium diphtheriae</i>	<i>Legionella micdadei</i>	<i>Staphylococcus epidermidis</i>
<i>E. coli</i>	Measles Virus	<i>Streptococcus pneumoniae</i>
EBV	<i>Moraxella catarrhalis</i>	<i>Streptococcus pyogenes</i>
Echovirus	Mumps	<i>Streptococcus salivarius</i>
Flu A	<i>Mycobacterium tuberculosis</i>	

\*As of August 2019



Hologic, Inc.  
10210 Genetic Center Drive  
San Diego, CA 92121 USA

Customer Support: +1 800 442 9892  
customersupport@hologic.com

Technical Support: +1 888 484 4747  
molecularsupport@hologic.com

For more contact information visit [www.hologic.com](http://www.hologic.com).

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