

CoV OC43 Primers

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 Primers ASR contains forward and reverse primers designed to amplify a 92 bp region of the ORF 1a gene of CoV OC43.

Materials Provided

CoV OC43 Primers (Cat. No. PRD-05590)

Component	Quantity	Concentration
Tubes	1 x 0.53 mL	37.5 µmol/L of each primer

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.

***In silico* Binding Affinity**

The CoV OC43 primers cover 100% of the aligned Human Coronavirus OC43 sequences available in the NCBI Database*.

Additionally, the CoV OC43 primers 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



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