

## CoV HKU1 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) HKU1 Primers ASR contains forward and reverse primers designed to amplify an 87 bp region of the ORF 1a gene of CoV HKU1.

### Materials Provided

CoV HKU1 Primers (Cat. No. PRD-05588)

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.

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

The CoV HKU1 primers cover 100% of the aligned Human Coronavirus HKU1 sequences available in the NCBI Database\*.

Additionally, the CoV HKU1 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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