

The **Smart Detect™ SARS-CoV-2 rRT-PCR Kit** manufactured by **InBios International, Inc.** is available for procurement through the Supply Division and offered at \$4.42 per test. The price does not include an extraction kit and rRT-PCR Master Mix which must be procured separately. The price does not include an extraction kit which must be procured separately. A technical and commercial description of the product is presented in Table 1 below.

Table 1 Smart Detect™ SARS-CoV-2 rRT-PCR Kit

UNICEF Material Number	Product Description	Product Code	Pack Size	Price per Pack, USD	Price per Test, USD	FCA Lead Time, <i>indicative</i>	FCA Delivery Port
S0003891	Smart Detect SARS-CoV-2 rRT-PCR Kit, which includes: <ul style="list-style-type: none"> ▪ Positive control (PC) (2 x 200µL) ▪ No template control (NTC) (1 x 1000 µL) ▪ Extraction Control (EC) (2 x1.2mL) ▪ Prime/Probe mix (1 vial) 	COV2-E	48 reactions	212.00	4.42	1-6 weeks	FCA InBios Seattle Facility

Intended purpose: Smart *Detect™* SARS-CoV-2 rRT-PCR Kit is a molecular *in vitro* diagnostic assay that aids in the detection and diagnosis of COVID-19. The assay is based on widely used real-time reverse transcription polymerase chain reaction (rRT-PCR) technology, which employs oligonucleotide primers and probes labeled with fluorescent reporter dyes and quenchers.

The following are not provided with the kit but are required to run the test:

1. RNA extraction kit has to be procured separately.
 - QIAamp® Viral RNA Mini Kit, Qiagen, Cat.no. 52904/52906 is an extraction kit recommended by the test manufacturer.
2. rRT-PCR master mix has to be procured separately.
 - TaqPath™ 1-Step RT-qPCR Master Mix, CG (Life Technologies, catalog # A15299 and/or A15300) is a Master Mix recommended by the test manufacturer.
3. The following PCR equipment with relevant software are compatible with the test:
 - 7500 Fast Dx Real-time PCR Systems with SDS software version 1.4 software (Applied Biosystems)

Product Reference Note:

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- CFX96 Touch Real-Time PCR Detection System (Bio-Rad) with CFX Maestro Software (Bio-Rad)

Also, please note the below storage and stability conditions for the product:

-20°C or colder

Shelf life:

12 months

Should you have any questions regards to ordering please contact Tatsiana Ptashnik tptashnik@unicef.org cc Lama Ramzi Suleiman lrsuleiman@unicef.org

Should you have any technical questions regards to the test please contact Wandani Sebonego wsebonego@unicef.org

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