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**

<table>
<thead>
<tr>
<th>UNICEF Material Number</th>
<th>Product Description</th>
<th>Product Code</th>
<th>Pack Size</th>
<th>Price per Pack, USD</th>
<th>Price per Test, USD</th>
<th>FCA Lead Time, indicative</th>
<th>FCA Delivery Port</th>
</tr>
</thead>
<tbody>
<tr>
<td>S0003891</td>
<td>Smart Detect SARS-CoV-2 rRT-PCR Kit, which includes:</td>
<td>COV2-E</td>
<td>48 reactions</td>
<td>212.00</td>
<td>4.42</td>
<td>1-6 weeks</td>
<td>FCA InBios Seattle Facility</td>
</tr>
<tr>
<td></td>
<td>▪ Positive control (PC) (2 x 200µL)</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>▪ No template control (NTC) (1 x 1000 µL)</td>
<td></td>
<td></td>
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</tr>
<tr>
<td></td>
<td>▪ Extraction Control (EC) (2 x1.2mL)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>▪ Prime/Probe mix (1 vial)</td>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

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:
Smart Detect™ SARS-CoV-2 rRT-PCR Kit
by InBios International, Inc.
- 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

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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