Direct COVID-19 RT-PCR Research Kit (Catalog COV80632)

Lyophilized Buffer A

2x Direct COVID-19 Buffer B (1 mL for 100 Reactions)

Ivy Fine Chemicals
1879 Old Cuthbert Rd, Suite 23, Cherry Hill, NJ 08034
Phone: 856-465-8550, Fax: 856-616-1161
Email: sales@ivychem.com, support@ivychem.com
Web: http://www.ivychem.com

Our Direct COVID-19 RT-PCR Research Kit is formulated to release COVID-19 RNA from swab, saliva and sputum and maintain the integrity of RNA without a degradation issue. In addition, our formulated buffers allow direct RT-PCR without a need of nucleic acid purification. Our solution-based application for direct viral testing has many advantages over RNA purification: fast, low cost, no loss of viral RNA and low testing variability.

Experimental Procedures:

1) Transfer 1 mL Buffer B to lyophilized Buffer A. Gently vortex until solution becomes clear. Store in ice for daily use and freeze for long term storage.
2) Add 10 uL above buffer to 10 uL COVID-19 sample. Gently mix by pipetting.
3) Add 2 uL of 20 mg/mL Proteinase K (e.g. Invitrogen Catalog AM2546, not included in this kit).
4) Gently vortex and spin.
5) Heat at 60℃ for 10 min (longer incubation time may be needed for samples with high protein contents) and 95℃ for 10 min.
6) Take 5 uL treated sample for direct COVID-19 RT-PCR. No RNA purification is necessary.

Note:

1) The kit is an animal-free buffer and doesn't contain any virus.
2) The kit is for COVID-19 research use only and can't be used for clinical testing without an authorization from regulatory agencies.
3) The sample treatment can be performed in tubes but highly recommended in 96 or 384 PCR plate. Your PCR or real time PCR instrument can be used for the sample treatment.