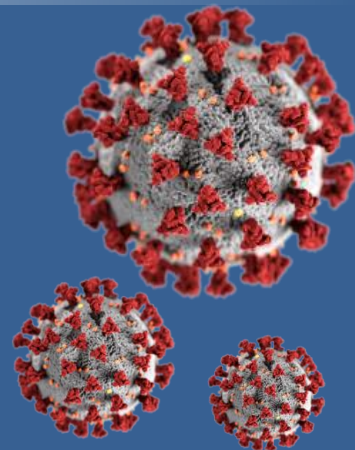


“Quantitative monitoring of **SARS-CoV-2 viral load** in lower respiratory tract samples helps to evaluate disease progression, especially in cases of low viral load”\*



## ULTRAQUANT SARS-COV-2 QUANTIFICATION ASSAY

Real-time reverse transcription and amplification of nucleic acids for the quantification of SARS-CoV-2

- **SARS-CoV-2 quantification**
- Multiplex qPCR in one single tube per sample.
- Internal Reference Control (IRC) included.
- Suitable for 2-channels (FAM, Cy5) qPCR cyclers.
- Fast and reliable results in under 1h30 hour.
- Positive + negative controls included.
- Available in 50 or 1000 tests per kit formats
- Research Use Only (RUO)



\*Yu F, Yan L, Wang N, Yang S, Wang L, Tang Y, Gao G, Wang S, Ma C, Xie R, Wang F, Tan C, Zhu L, Guo Y, Zhang F. Quantitative Detection and Viral Load Analysis of SARS-CoV-2 in Infected Patients. Clin Infect Dis. 2020 Jul 28;71(15):793-798. doi: 10.1093/cid/ciaa345. PMID: 32221523; PMCID: PMC7184442.

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Please contact the ABL support team to request more information & registration status of the above mentioned products for your respective territories.

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contact@ablsa.com  
<http://www.ablsa.com>

## APPLICATIONS

Upper respiratory specimens (nasal, mid-turbinate, nasopharyngeal, oropharyngeal swab specimens and nasopharyngeal wash/aspirate or nasal aspirate and bronchoalveolar lavage (BAL) fluid specimens)

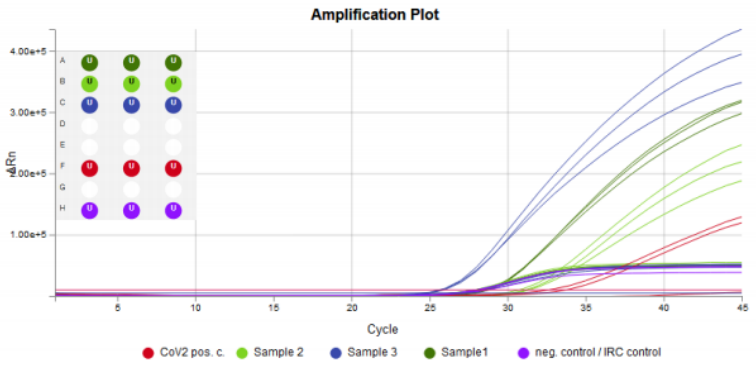
## CONTENT

- RT-PCR Premix
- Primer/Probe Mix
- Internal Reference Control (IRC)
- Water
- Positive & negative controls

## PERFORMANCE

- Estimated turnaround time: ~1h20
- Hands-on-time: ~20min
- Limit of detection: 100 copies/rx

## INTERPRETATION



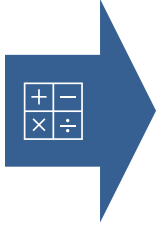
## FORMATS

- 50 tests (162A50)
- 1000 tests (162A1000)

## COMPATIBILITY

- **Extraction systems:**  
Any magnetic beads systems
- **RealTime PCR thermocyclers:**  
Any qPCR instrument compatible with the FAM and Cy5 channels.

## SAMPLE 1



- Gene expression ratio: 143.76
- Relative quantification:  $2.8 \times 10^5$  copies/rx



## COVID-19

### Detection & Variants screening through qPCR

UltraQuant SARS-CoV-2 Quantification Assay (50 tests)	162A50
UltraQuant SARS-CoV-2 Quantification Assay (1000 tests)	162A1000
UltraGene Assay SARS-CoV-2 Triplex, Screening, Multi-Variants and Typing	
- 1000 tests screening / 50 tests multi-variants (CE IVD)	161A1000_50
- 1000 tests screening / 1000 tests multi-variants (CE IVD)	161A1000_1000
UltraGene SARS-CoV-2 Multi Variants Deletions V1 (CE IVD) (50 tests)	160A50
UltraGene SARS-CoV-2 Multi Variants Deletions V1 (CE IVD) (1000 tests)	160A1000
UltraGene Assay SARS-CoV-2 N / Spike Δ 69-70 V1 (50 tests)	158A50
UltraGene Assay SARS-CoV-2 N / Spike Δ 69-70 V1 (1000 tests)	158A1000
UltraGene Combo2Screen SARS-CoV-2 Assay (CE IVD) (50 tests)	139B50
UltraGene Combo2Screen SARS-CoV-2 Assay (CE IVD) (1000 tests)	139B1000
UltraGene Combo2Screen SARS-CoV-2 Assay (CE IVD + saliva) (50 tests)	139C50
UltraGene Combo2Screen SARS-CoV-2 Assay (CE IVD + saliva) (1000 tests)	139C1000

### Variants screening through sequencing

DeepChek 8-plex CoV-2 Genotyping Assay (50 tests)	142A50
DeepChek Assay Whole Genome SARS-CoV-2 Genotyping V1 (48 tests)	159A48
DeepChek® - CoV2 Software	S-12-023 (CVL)
DeepChek® NGS LIB PREP (24/48/96 indexes)	116A24/48/96 +124A24/48/96

### Viral quantification

UltraGene SARS-CoV-2 Quantitative Assay V1 (50 tests)	Q1 2021
UltraGene SARS-CoV-2 Quantitative Assay V1 (1000 tests)	Q1 2021

## GENOTYPING THROUGH SEQUENCING

### HIV

DeepChek® Assay PR/RT Genotyping and Drug Resistance (CE IVD)	121A24
DeepChek® Assay INTEGRASE Genotyping and Drug Resistance (CE IVD)	122A24
DeepChek® - HIV Software (CE-IVD)	S-12-023 (HL)
ViroScore® -HIV Software (CE IVD)	S-09-014

### HCV

DeepChek® Assay NS5B / 5'UTR Genotyping	110B24
DeepChek® Assay CORE Genotyping	109A24
DeepChek® Assay NS5A Genotyping and Drug Resistance	105A24
DeepChek® Assay NS3 Genotyping and Drug Resistance	108A24
DeepChek® Assay NS5B Genotyping and Drug Resistance	107D24

## HBV

DeepChek® Assay RT Genotyping and Drug Resistance 113A24  
DeepChek® - HBV Software (CE-IVD) S-12-023 (BL)

## CMV

DeepChek® Assay UL54 / UL97 Drug Resistance 117A24  
DeepChek® - CMV Software (CE-IVD) S-12-023 (ML)

## HSV

DeepChek® Assay TK / POL Drug Resistance 119A24  
DeepChek® - HSV Software (CE-IVD) S-12-023 (SL)

## 16sRNA

DeepChek® Assay 16S rRNA BACTERIAL IDENTIFICATION 131A24

## Tuberculosis

DeepChek® Assay 13-Plex KB DRUG SUSCEPTIBILITY TESTING 128A24  
BacterioChek® - TB Software (CE-IVD) S-12-023 (TL)

## SAMPLES COLLECTION & INSTRUMENTS

### qPCR instruments

Ultragene qPCR system - 48 samples format - 4 channels with Gradient I-19-UG48E  
Ultragene qPCR system - 96 samples format - 4 channels with Gradient I-19-UG96R

### Liquid handling robots

DeepChek Pipetting I-18-PIP2

### RNA/DNA extraction

CleanPrepX System AS00001

### Sample collection

Clinical specimen nasopharyngeal collection kit (CE IVD Import) DW-80005-1B  
Clinical specimen oropharyngeal collection kit (CE IVD Import) DW-80005-1A  
Sterile saliva collection container for saliva specimens (CE-IVD) 144A250  
DNA/RNA stabilization solution for nucleic acids (CE IVD) 148A50



*Improving Disease Management*

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