



**ZYMO RESEARCH**

*The Beauty of Science is to Make Things Simple®*

# High-Throughput Nucleic Acid Purification from Clinical Samples

## Quick-DNA/RNA™ HT - Dx

- **Broad Range:** Compatible with any clinical sample including swabs, biological liquids, and collection matrices.
- **Rapid:** Automated extraction on any open automated platform including KingFisher, Hamilton, Tecan, Opentrons, etc.
- **High Sensitivity:** Inhibitor-free nucleic acids ready for all downstream applications: Next-Gen Sequencing, (RT)-PCR.

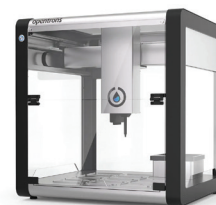
### Broad Clinical Use

- ✓ **Swabs:** Nasal, oropharyngeal, buccal, vaginal, fecal, etc.
- ✓ **Biological liquids:** Saliva, blood, plasma, serum, urine, etc.
- ✓ **Collection matrices and devices:** DNA/RNA Shield™, VTM/UTM, RNA/later, PBS, etc.



### Automated Workflow

- ✓ Validated workflows on KingFisher, Hamilton, Tecan, Opentrons, etc.
- ✓ Automation scripts ready-to-go
- ✓ Free consultations & support at [automation@zymoresearch.com](mailto:automation@zymoresearch.com)



### High Sensitivity

- ✓ Inhibitor-free nucleic acids for sensitive downstream analysis
- ✓ Detection down to one copy (GEC) – compatible with a broad range of input loads

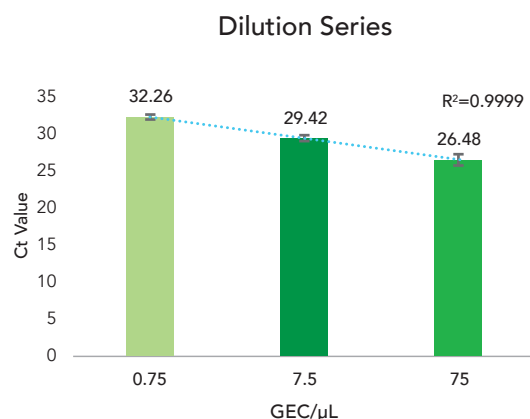


Figure 1: Detection threshold (Ct) values for samples spiked with heat-inactivated SARS-CoV-2 virus in dilution series (1:10 dilutions, n = 8, 32, 8). Genome Equivalent Copies (GEC).

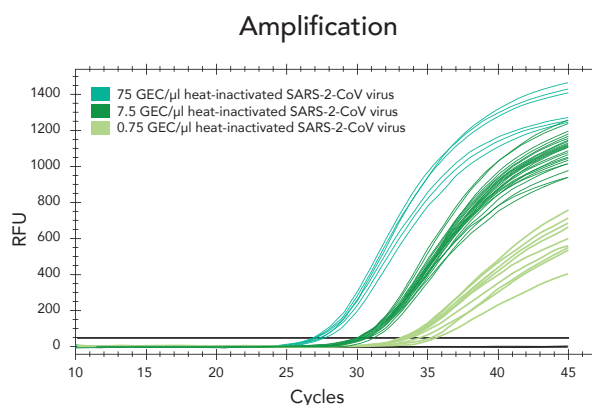


Figure 2: rRT-PCR amplification graphs of viral RNA from throat swabs in DNA/RNA Shield spiked with heat-inactivated SARS-CoV-2 virus. Samples were analyzed with the Quick SARS-CoV-2 Multiplex Kit with 2019 CoV-N3(CV-3) target primer.

### High Yield and Purity

- ✓ Consistent and reproducible automated extraction protocol

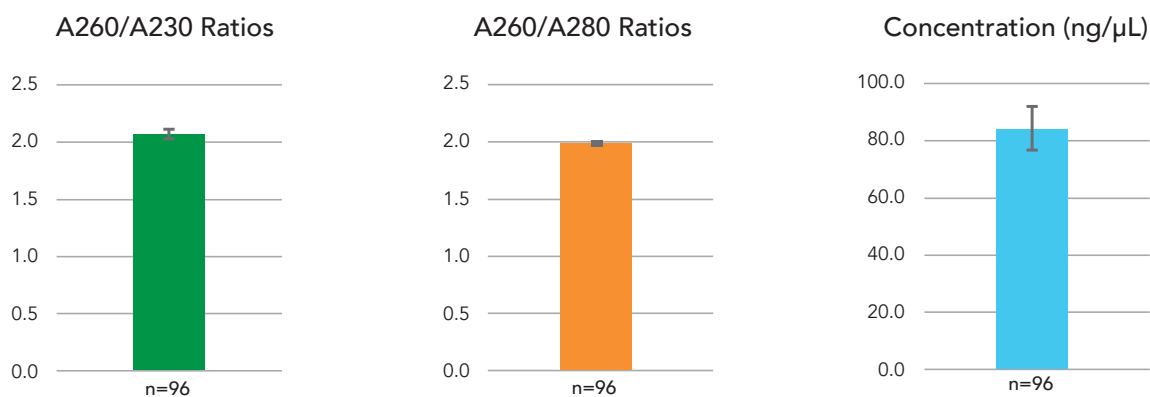


Figure 3: Concentration and purity ratios for extracted total nucleic acid from 96 samples of 150,000 HeLa cells per sample

Product	Cat. No.	Size
Quick-DNA/RNA™ HT	R2150 R2151	250 preps 1000 preps
Quick-DNA/RNA™ HT - Dx	R2150-E R2151-E	250 preps 1000 pre
Load N' Go Quick-DNA/RNA™ HT	R2152	1 x 96 preps

