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|--------------|--|-------------|---------------------------------|
| Product Name | TOROIVD® Probe 1-step RT-qPCR 5G kit 2.0 | | |
| Cat NO | QPR-303UD | QC Date | |
| Lot NO | | Report Date | |
| QC Items | End products | Store at | 2-8°C (2 months) -20°C (2years) |
| According to | Enterprise standard ZS-B-ZLBZ-003 | Expire Date | (Store at -20°C) |
| QC Standard | ISO9001:2015 | | |

QC Report

| Items | | QC Standard | Results |
|--------------|--|---|-------------------------------|
| 1 | Package | The package is in good condition, no damage, no leakage, and the Lot number is correct. | <input type="checkbox"/> Pass |
| 2 | Appearance | Clear liquid, no precipitation, no suspended matter. | <input type="checkbox"/> Pass |
| 3 | pH | 8.0-8.5 | <input type="checkbox"/> Pass |
| 4 | Protein purity | The content of active protein should not be less than 98%. | <input type="checkbox"/> Pass |
| 5 | Nuclease residue | No endogenous endonuclease and exonuclease contamination. | <input type="checkbox"/> Pass |
| 6 | Thermal stability | After incubation at 37°C for 7 days, the difference of Cq value at ≥ 50 copies / reaction was not more than 0.5. | <input type="checkbox"/> Pass |
| 7 | Batch stability | The difference of Cqvalue of different batches of reagents at ≥ 50 copies / reaction was not more than 0.5. | <input type="checkbox"/> Pass |
| 8 | Evaluation of amplification performance of internal control | The amplification curve was normal and S-shaped. | <input type="checkbox"/> Pass |
| | | Amplification efficiency was 85% -115%, R^2 value ≥ 0.98 | <input type="checkbox"/> Pass |
| | | LOD is ≤ 50 copies | <input type="checkbox"/> Pass |
| 9 | Contamination removal capacity | Effectively remove the contamination of U-PCR products of Cq value ≥ 35 . | <input type="checkbox"/> Pass |
| QC Inspector | | QA Manager | |