

TaqPath™ qPCR Master Mix, CG

Doc. Part No. 100020170 Pub. No. MAN0007770 Rev. 2.00



WARNING! Read the Safety Data Sheets (SDSs) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves. Safety Data Sheets (SDSs) are available from [thermofisher.com/support](https://www.thermofisher.com/support).

Contents and storage

| Cat. No. | Amount | Storage |
|----------|-----------|---------|
| A15297 | 1 × 5 mL | 2–8°C |
| A16245 | 2 × 5 mL | |
| A16247 | 5 × 5 mL | |
| A16248 | 10 × 5 mL | |
| A15298 | 1 × 50 mL | |

Guidelines for use

See *TaqPath™ qPCR Master Mix, CG User Guide* (Pub. No. MAN0007958) for detailed instructions.

Reaction volumes

| Component | Volume per reaction | | |
|----------------------------------|---------------------|-----------------------------|---------------------------------|
| | 384-well Plate | 96-well Fast (0.1-mL) Plate | 96-well Standard (0.2-mL) Plate |
| TaqPath™ qPCR Master Mix, CG | 5.0 µL | 10.0 µL | 25.0 µL |
| TaqMan® Assay | ≤ 3.0 µL | ≤ 8.0 µL | ≤ 20.0 µL |
| cDNA template (1 pg to 100 ng) | 2.0 µL | 2.0 µL | 5.0 µL |
| Nuclease-free Water | Variable | Variable | Variable |
| Total volume per reaction | 10.0 µL | 20.0 µL | 50.0 µL |

Thermal cycling parameters

| Real-Time PCR instrument | (Optional) UNG incubation ^[1] | Polymerase activation | PCR (40 cycles) | |
|---|--|-----------------------|-----------------|------------|
| | 50°C | 95°C | 95°C | 60°C |
| Standard thermal-cycling profile | | | | |
| QuantStudio™ Dx Instrument | 2 minutes | 20 seconds | 15 seconds | 1 minute |
| Fast thermal-cycling profile (384-well Plates and 96-well Fast (0.1-mL) Plates only) | | | | |
| QuantStudio™ Dx Instrument | 2 minutes | 20 seconds | 1 second | 20 seconds |
| 7500 Fast Dx Instrument | 2 minutes | 20 seconds | 3 seconds | 30 seconds |

^[1] Product performance was validated with the optional 50°C UNG incubation step.

Limited product warranty

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