

Quantifiler® Trio DNA Quantification Kit

Catalog Number 4482910

Pub. No. 4485357 Rev. C

IMPORTANT!

- Thaw reagents completely before first use. To avoid freeze/thaw cycles, store components at 2 to 8°C after initial use.
- Isolate reagents from any source of contaminating DNA, especially from previously amplified PCR products.
- The primer mix contains primers that are labeled with light-sensitive dyes. Protect the primer mix from light; do not leave it exposed on the laboratory bench.
- To obtain optimal amplification and quantification results, follow the procedures in the *Quantifiler® HP and Trio DNA Quantification Kits User Guide* (Pub. no. 4485354).

Note: For safety and biohazard guidelines, refer to the “Safety” appendix in the *Quantifiler® HP and Trio DNA Quantification Kits User Guide* (Pub. no. 4485354). Read the Safety Data Sheets (SDSs) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves.

Kit contents and storage

Table 1 Quantifiler® Trio DNA Quantification Kit (Cat. no. 4482910)

Description	Storage conditions ^[1]
Quantifiler® THP PCR Reaction Mix, 4 tubes, 1 mL/tube Contains dNTPs, buffer, enzyme, MUSTANG PURPLE® Passive Reference Standard, and stabilizers.	–15 to –25°C upon receipt. 2 to 8°C after initial use.
Quantifiler® Trio Primer Mix, 4 tubes, 0.8 mL/tube Contains target-specific primers, ABY®, JUN®, VIC®, and FAM™ dye-labeled probes, and Internal PCR Control (IPC) template.	–15 to –25°C upon receipt. 2 to 8°C after initial use. Store protected from light.
Quantifiler® THP DNA Dilution Buffer, 2 tubes, 1.8 mL/tube Contains genomic DNA Standard dilution buffer.	–15 to –25°C upon receipt. 2 to 8°C after initial use.
Quantifiler® THP DNA Standard, 1 tube, 0.12 mL Contains genomic DNA Standard formulated at 100 ng/mL to generate standard curves.	–15 to –25°C upon receipt. 2 to 8°C after initial use.

^[1] See reagent labels for expiration dates

Table 2 Materials required but not included in the kit

Part no.	Part
4485354	<i>Quantifiler® HP and Trio DNA Quantification Kits User Guide</i>

Performance characteristics

The Quantifiler® Trio Kits are developed and manufactured by Thermo Fisher Scientific. We test each lot of kits to ensure that the kits perform according to specifications.

Each kit contains reagents optimized to quantify DNA sample concentrations of 5 pg/μL to 100 ng/μL (depending on the range of DNA quantification standards used). Follow the protocols described in the *Quantifiler® HP and Trio DNA Quantification Kits User Guide* and run the samples on an Applied Biosystems® 7500 Real-Time PCR Instrument.

Limited product warranty

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