

Quantifiler™ Trio DNA Quantification Kit

Catalog Number 4482910

Pub. No. 4485357 Rev. D

Note: For safety and biohazard guidelines, see the “Safety” appendix in the following product documentation: *Quantifiler™ HP and Quantifiler™ 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.

Important guidelines

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

Contents and storage

Table 1 Quantifiler™ Trio DNA Quantification Kit (Cat. No. 4482910)

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

^[1] See the expiration date on the package. Do not use expired product.

^[2] Excessive exposure to light can affect the fluorescent probes and the passive reference dye.

Performance characteristics

The Quantifiler™ Trio DNA Quantification Kit is 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 Quantifiler™ Trio DNA Quantification Kits User Guide* (Pub. No. 4485354) and run the samples on an Applied Biosystems™ 7500 Real-Time PCR System or an Applied Biosystems™ QuantStudio™ 5 Real-Time PCR System.

For more information

For more information about DNA quantification, go to <http://thermofisher.com/quant>.

Limited product warranty

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For descriptions of symbols on product labels or product documents, go to thermofisher.com/symbols-definition.

Revision history: Pub. No. 4485357 D

Revision	Date	Description
D	11 September 2023	<ul style="list-style-type: none">The branding and trademarks were updated.The storage conditions of the reaction mix and primer mix were updated.The QuantStudio™ 5 Real-Time PCR System was added as a supported instrument.A resource for information about DNA quantification was added.
C	29 July 2014	The number of buffer tubes was updated.
B	8 January 2014	<ul style="list-style-type: none">The trademarks were updated.The referenced user guide was updated.The quantification range was updated.
A	29 July 2013	New document.

The information in this guide is subject to change without notice.

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