

AmpF Λ STR® Identifiler® Plus PCR Amplification Kit (1000 Reactions)

Publication Number 4486460 Rev. B

IMPORTANT! Reagents used for amplification must be isolated from any source of contaminating DNA, especially from previously amplified AmpF Λ STR® PCR products and the AmpF Λ STR® Allelic Ladders.

Thaw reagents completely before first use. To avoid freeze/thaw cycles, store components at 2 to 8°C after initial use.

The AmpF Λ STR® Identifiler® Plus Primer Set and Allelic Ladder contain primers that are labeled with light-sensitive dyes. Protect the primers and allelic ladder from light; do not leave them exposed on the laboratory bench.

To obtain optimal amplification and typing results, follow the procedures in the *AmpF Λ STR® Identifiler® Plus PCR Amplification Kit User Guide* (Pub. no. 4440211).

Table 1 AmpF Λ STR® Identifiler® Plus PCR Amplification Kit (1000 Reactions) (Part no. 4486461)[†]

Part no.	Part	Storage Conditions
4427487	AmpF Λ STR® Identifiler® Plus Master Mix, 10 tubes, 1 mL/tube Contains MgCl ₂ , dATP, dGTP, dCTP, and dTTP, bovine serum albumin, enzyme, and 0.05% sodium azide in buffer and salt.	-15 to -25°C upon receipt. 2 to 8°C after initial use.
361676	AmpF Λ STR® Control DNA 9947A, 5 tubes, 0.3 mL Contains 0.1 ng/μL human cell line DNA in 0.05% sodium azide and buffer. The profile of this female DNA is CSF1P0 10, 12; D2S1338 19, 23; D3S1358 14, 15; D5S818 11, 11; D7S820 10, 11; D8S1179 13, 13; D13S317 11, 11; D16S539 11, 12; D18S51 15, 19; D19S433 14, 15; D21S11 30, 30; FGA 23, 24; TH01 8, 9.3; TPOX 8, 8; vWA 17, 18.	
4427488	AmpF Λ STR® Identifiler® Plus Primer Set, 5 tubes, 1 mL/tube Contains locus-specific 6FAM™, VIC®, NED™, and PET® dye-labeled and unlabeled primers in buffer. The primers amplify the STR loci CSF1P0, D2S1338, D3S1358, D5S818, D7S820, D8S1179, D13S317, D16S539, D18S51, D19S433, D21S11, FGA, TH01, TPOX, vWA, and the gender marker Amelogenin.	-15 to -25°C upon receipt. 2 to 8°C after initial use. Store protected from light.

Note: For safety and biohazard guidelines, refer to the “Safety” section in the *AmpF Λ STR® Identifiler® Plus PCR Amplification Kit User Guide* (Pub. no. 4440211). For every chemical, read the Safety Data Sheets (SDSs) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves.

Note: For information on the 50-, 100-, or 200-reaction kits, refer to the *AmpF Λ STR® Identifiler® Plus PCR Amplification Kits (50, 100, and 200 Reactions) Product Information Sheet* (Pub. no. 4427493).

[†]The AmpF Λ STR® Identifiler® Plus PCR Amplification Kit (1000 Reactions) part number 4486467 is a top fill kit that consists of one box of the 1000 reaction materials (Part no. 4486461) and five boxes of AmpF Λ STR® Identifiler® Plus Allelic Ladder (Part no. 4427484).

For Forensic or Paternity Use Only.

Table 2 Materials required but not included in the kit

Part no.	Part
4427484	AmpF ℓ STR [®] Identifiler [®] Plus Allelic Ladder, 1 tube, 0.05 mL Contains the following amplified alleles: <ul style="list-style-type: none"> • 6-FAM[™] dye (blue): D8S1179 8–19; D21S11 24, 24.2, 25–28, 28.2, 29, 29.2, 30, 30.2, 31, 31.2, 32, 32.2, 33, 33.2, 34, 34.2, 35, 35.2, 36–38; D7S820 6–15; CSF1PO 6–15. • VIC[®] dye (green): D3S1358 12–19; TH01 4–9, 9.3, 10, 11, 13.3; D13S317 8–15; D16S539 5, 8–15; D2S1338 15–28. • NED[™] dye (yellow): D19S433 9–12, 12.2, 13, 13.2, 14, 14.2, 15, 15.2, 16, 16.2, 17, 17.2; vWA 11–24; TPOX 6–13; D18S51 7, 9, 10, 10.2, 11–13, 13.2, 14, 14.2, 15–27. • PET[®] dye (red): Amelogenin X, Y; D5S818 7–16; FGA 17–26, 26.2, 27–30, 30.2, 31.2, 32.2, 33.2, 42.2, 43.2, 44.2, 45.2, 46.2, 47.2, 48.2, 50.2, 51.2.
4322682 or 4408399	GeneScan [™] 500 LIZ [®] Size Standard, 2 tubes, 200 μ L/tube GeneScan [™] 600 LIZ [®] Size Standard v2.0, 2 tubes, 200 μ L/tube
4440211	AmpF ℓ STR [®] Identifiler [®] Plus PCR Amplification Kit User Guide
4427493	AmpF ℓ STR [®] Identifiler [®] Plus PCR Amplification Kits (50, 100, and 200 Reactions) Product Information Sheet

Performance characteristics

The AmpF ℓ STR[®] Kits are developed and manufactured by Life Technologies Corporation. We test each lot of kits to ensure that the kits perform according to specifications and are free from interfering contaminants.

Each AmpF ℓ STR[®] Identifiler[®] Plus PCR Amplification Kit (1000 Reactions) contains reagents optimized to amplify and type 1 ng of AmpF ℓ STR[®] Control DNA 9947A.

The recommended range of input sample DNA is approximately 0.5 to 1.5 ng of human DNA. However, we have successfully typed samples containing less than 0.5 ng of human DNA.

Follow the protocol in the *AmpF ℓ STR[®] Identifiler[®] Plus PCR Amplification Kit User Guide* to collect and analyze data on the instruments and software supported for use with this kit.

Limited product warranty

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