

Certificate of Analysis

ThermoFisher
SCIENTIFIC

Yfiler™ Plus PCR Amplification Kit (100 Reactions)

Product No. **4484678**
Lot No. **2503095**
Date of Manufacture **03APR2025**
Expiration Date **03OCT2026**

KIT CONFIGURATION

PART NO.	COMPONENT DESCRIPTION	LOT NO.	EXPIRATION DATE
4484680	Yfiler™ Plus Kit PCR Reagents (Box)	2503090	03OCT2026
4484690	Yfiler™ Plus Master Mix (Tube)	2503044	N/A
4484691	Yfiler™ Plus Primer Set (Tube)	2503045	N/A
4478871	DNA Control 007 (2ng/µL) (Tube)	2408050	N/A
4484679	Yfiler™ Plus Allelic Ladder (Box)	2411036	16OCT2028
4484679	Yfiler™ Plus Allelic Ladder (Tube)	2411036	N/A

TEST	SPECIFICATION	RESULT
Functional QC		
QC Method: Samples are amplified using two kits from the current lot manufactured. Results from the current lot are compared to previously approved lots. All analyses are performed using standard operating conditions according to the recommendations in the Yfiler™ Plus Kit User's Guide.		
Human DNA Contamination	12/14 non-template controls (NTC) amplified for 32 cycles produce no typeable peak between 60-460 bp above an instrument-specific analytical threshold of 1 x LOQ (mean signal + 10 SD).	PASS
Genotype	One nanogram of DNA Control 007 produces the correct genotype for all 27 Y-STR loci.	PASS

For Forensic or Paternity Use Only.

All components listed above are manufactured in compliance with ISO 18385 and ISO 13485 certified quality management system, excluding ISO 18385 for the Allelic Ladder (Site: Warrington, UK).

The Allelic Ladder contains common alleles observed in the population, therefore this product is not amenable to ISO 18385 (minimizing the risk of human DNA contamination) testing. Product quality is not impacted.

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Quality Assurance
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