

Fit for Purpose designation

Forensic ready

Products with the Fit for Purpose designation of Forensic ready indicates products that meet the high standards necessary for rigorous scientific study and reliable results. The Thermo Scientific™ Forensic ready designation includes the combination of testing for sterility and elimination of endotoxins, as well as testing for the elimination of RNase, DNase, human DNA, and PCR inhibitors. These products have been tested and meet the following criteria:

Description	Test method	Limit of detection
Sterile	E-beam or gamma irradiation or EtO gassing	Tested in accordance with ISO 11137; SAL varies by product
Free of endotoxins	Limulus Amebocyte Lysate (LAL) gel clot or Kinetic turbidometric	Tested in accordance with USP 85; sensitivity varies by product
Free of RNase	Nuclease assay	< 1.0 x 10 ⁻⁹ Kunitz Units/μl
Free of DNase	Nuclease assay	< 8.0 x 10 ⁻⁷ Kunitz Units/μl
Free of human DNA	PCR	< 30pg
Free of PCR inhibitors	PCR	control yield = test yield

Products that meet this designation have been validated in the Forensic workflow and are intended to support the demands of Forensic science.

Thermo Scientific™ Forensic ready Fit for Purpose products are recommended for use with the following application areas and techniques:

Application areas

- Forensic human identification
- Molecular biology

Techniques

- DNA analysis (PCR, restriction analysis, hybridization, sequencing, NGS)
- Isolation and storage of DNA
- Isolation and storage of RNA
- Mitochondrial DNA analysis
- RNA analysis



Thermo Fisher Scientific, Inc. Quality Management System is certified in accordance with international Quality Management standards. All sites are certified to one or more Quality Management standards; refer to the [Site ISO Certifications](#) for copies of relevant ISO Certifications.

Changes to manufacturing procedures, packaging, and product specifications are documented and traceable. To receive notifications of product changes, register to receive changes through the following link www.thermofisher.com/registercustomernotifications.

All products are fully traceable by lot number. For a lot-specific certificate, please Contact Us/Technical Support ([Link](#)) and enter the product name or SKU.

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Laboratory Products

ISO 9001
Certified

ISO 14001
Certified

ISO 13485
Certified

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