

Fit for Purpose designation

PCR ready

Products with the Fit for Purpose designation PCR ready are an ideal option for PCR-based studies and can help increase confidence in your results. Due to the delicate nature of Polymerase Chain Reaction (PCR) processes and typical limitations of sample material, the lab consumables and supplies you use must be free of RNase, DNase, human DNA, and PCR inhibitors to avoid destruction of your sample material, interfering with the PCR process or otherwise negatively affecting your results. These products have been tested and meet the following criteria:

Description	Test method	Limit of detection
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 designated as PCR ready have been rigorously tested using PCR and nuclease assays and found levels of above named contaminants below the respective limit of detection.

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

Application areas

- Agriculture and aquaculture research
- Environmental monitoring
- Food and beverage quality control
- Medical research
- Molecular biology
- Water quality control

Techniques

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



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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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Certified

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Certified

ISO 13485
Certified

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