

Product Information	
PerfeCta DNase I	
Part Number	95150-01K
Number of Reactions	1000 Reactions
Concentration	2 units/ μ L
Storage Temperature	-25°C to -15°C
Lot Number	022162
Reference Number	101816 061716 014988
Expiration Date	06/30/2019

Product Description:

PerfeCta DNase I is an ultra-pure, recombinant bovine DNase I preparation that is permanently inactivated with a proprietary stop buffer and simple heat kill incubation. This reagent provides a simple and rapid solution to eliminate residual genomic DNA from total RNA preparations for expression profiling by reverse transcription quantitative PCR amplification (RT-qPCR) as well as other molecular biology applications. Complete and permanent DNase I inactivation is critical for linear first-strand cDNA synthesis. Residual or renatured DNase will degrade cDNA product and lead to inaccurate target quantification. One unit completely degrades 1 μ g of dsDNA in 10 minutes at 37°C.

Component Part Numbers:

84271 PerfeCta DNase I 0.500 mL

Product Specifications			
95150			
Assay	qRT-PCR Functional Assay for DNase I	DNaseI Mu-gDNA Functional Assay	RNase
Result	Pass	Pass	Pass

Quality Control Analysis and Specifications:

RNase Contamination: RNase activity must be below the detectable limits of 1 pg RNase A equivalent as assayed using a fluorogenic substrate following a 1 hour incubation at 37°C with each kit component at 1X concentration.

qRT-PCR Functional Assay for DNase I: The Ct difference between positive (+) DNase and Negative (-) DNase I samples must be \leq 1.5 Ct

DNaseI Mu-gDNA Functional Assay: The Ct difference between positive (+) DNase and Negative (-) DNase I samples must be \geq 15 Ct

Limitations of Use

QuantaBio and Ultrplex are registered trademarks of QIAGEN Beverly, Inc. Quanta Biosciences, qScript, Geltrack, ToughMix, PerfeCta, and Fastmix are registered trademarks of Quanta BioSciences Inc. Extracta, AccuStart, AccuMelt, and Accuvue are trademarks of Quanta BioSciences Inc. Applied Biosystems, StepOne, StepOnePlus and ROX are trademarks of Thermo Fisher Scientific and or its subsidiaries. Please contact QIAGEN-Beverly for more information.

This product was developed, manufactured, and sold for *in vitro* use only. The product is not suitable for administration to humans or animals. SDS sheets relevant to this product are available upon request.