

Product Information	
PerfeCta® Custom PCR ToughMix®	
Part Number	172-5037CUST
Storage Temperature	-25°C to -15°C
Lot Number	66188169
Reference Number	081021
Expiration Date	08/31/2024

Product Description:

A custom formulation of PerfeCta PCR ToughMix

Kit Components:

84194 PerfeCta Custom qPCR ToughMix, ROX 125mL

Product Specifications			
172-5037Cust			
Assay	qPCR β -actin Plasmid DNA Functional Assay	DNase	RNase
Result	Pass	Pass	Pass



Director of Quality Control

Quality Control Analysis and Specifications:

Nuclease Assay:

DNase: DNase activity must be below the detectable limits of 100 pg DNase I equivalent as assayed using a fluorogenic substrate following a 1 hour incubation at 37°C with each kit component at 1X concentration.

RNase: 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.

qPCR β -actin Plasmid DNA Functional Assay: Detection of β -actin from 10 copies to 1×10^7 copies. The Cq standard curve analysis must have a coefficient of determination (R^2) ≥ 0.990 with a slope between -3.20 to -3.70

Limitations of Use

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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.