

Product Information	
<b>Globavir One-Step Master Mix</b>	
Part Number	CM0175C-1
Storage Temperature	-25°C to -15°C
Lot Number	026230
Reference Number	053018
Expiration Date	07/31/2019

**Product Description:**

Globavir One-Step Master Mix, is a ready-to-use, highly sensitive master mix for reverse transcription quantitative PCR (RT-qPCR) of RNA templates using hybridization probe detection chemistries

Product Specifications			
CM0175C-1			
Assay	1 Step RT-qPCR Functional Assay	DNase	RNase
Result	Pass	Pass	Pass



Director of Quality Control

**Quality Control Analysis and Specifications:**

**1-Step RT-qPCR Functional Assay:** Real-time One-Step RT-PCR of a reference gene (ACTB) in triplicate reactions is performed on a 10 fold serial dilution over 6 orders of dynamic range (1 µg to 1 pg) using a Universal Reference total RNA preparation. Cq standard curve analysis must have coefficient of determination ( $r^2$ )  $\geq 0.990$  with a slope between  $-3.20$  and  $-3.65$ . Control reactions lacking template RNA (NTC) must remain below fluorescence threshold through 45 PCR cycles.

**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.

**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.