AMPLIFYME
SG One-Step Universal RT-qPCR Mix

CERTIFICATE OF ANALYSIS

#AM07	***AMPLIFY**ME* SG One-Step Universal RT-qPCR Mix
Quantity:	**100 reactions, 500 reactions, 10 reactions**
Components:	**2x *AMPLIFY**ME* SG RT-qPCR Mix**, LOT: BAM725675
	50x High ROX solution, LOT: BBS725675
	50x Low ROX solution, LOT: BBR725675
	RNase Inhibitor, LOT: BAF725675
	Reverse Transcriptase, LOT: BAE725675
	Nuclease-free water, LOT: BAW725675
Lot Number:	**BBZ725675**
Expiry Date:	**09.2020**
Store at:	**-20°C**
Shipping conditions:	**Shipping on dry or blue ice.**
Specification:	**The *AMPLIFY**ME* SG One-Step Universal RT-qPCR Mix is a convenient reaction mixture created for reproducible and efficient first-strand cDNA synthesis and subsequent Real-Time PCR in a single tube. Ready-to-use, 2x concentrated Mix contains all ingredients necessary for Real-Time PCR based on intercalating dsDNA binding dye chemistry: hot-start Taq polymerase, dNTPs, specially developed buffer, stabilizers and enhancers. Additionally, Mu-MLV Reverse Transcriptase and RNase Inhibitor and ROX solution are included in separate tubes. The use of high-affinity antibody for hot-start polymerase ensures higher specificity, by reducing formation of primer-dimer structures. It allows to obtain wider dynamic range by removing competition for reaction reagents, it also leads to higher sensitivity and reproducibility. Precisely optimized buffer components ensures optimal conditions for reverse transcriptase and hot-start polymerase activity. Additionally RNase Inhibitor protects RNA from unspecific RNases.**

QUALITY CONTROL

The ***AMPLIFY**ME* SG One-Step Universal RT-qPCR Mix is extensively tested for its performance in different RT-qPCR assays. Free of nuclease contamination. Free of DNA contamination.

Quality authorized by: **Justyna Leibner-Ciszak** **Date:** **17.01.2020**

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PRODUCT USE LIMITATION

This product of Blirt S.A. has been developed for research purposes only and it is not suitable for human and animal therapeutic or diagnostic use.

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