

# AMPLIFYME

## Probe Universal Mix

### CERTIFICATE OF ANALYSIS

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<b>#AM05-S</b>	<i>AMPLIFYME</i> Probe Universal Mix
<b>Quantity:</b>	20 reactions
<b>Components:</b>	2x <i>AMPLIFYME</i> Probe Mix, 1 x 200 µl, LOT: 816572 50x High ROX solution, 1 x 8 µl, LOT: 625773 50x Low ROX solution, 1 x 8 µl, LOT: 625773 PCR-grade water, 1 x 300 µl, LOT: 826572
<b>Lot Number:</b>	786373
<b>Expiry Date:</b>	11.2019
<b>Store at:</b>	Long-term storage: -20°C, after thawing store at 2-8°C for up to 2 months
<b>Shipping conditions:</b>	Shipping on dry or blue ice
<b>Specification:</b>	The <i>AMPLIFYME</i> Probe Universal Mix is a convenient enzyme mixture for fast and reliable quantitative Real-Time PCR using probes. Ready-to-use, 2x concentrated Master Mix contains <i>TaqNovaHS</i> polymerase which is a mixture of recombinant <i>Taq</i> polymerase over-expressed in <i>E. coli</i> and a highly specific monoclonal anti- <i>Taq</i> antibody. The <i>TaqNovaHS</i> polymerase enables easy set-up of a hot-start PCR reaction at room temperature. The antibody binds reversibly to the enzyme, inhibiting polymerase activity at ambient temperatures, what prevents extension of non-specifically annealed primers and primer-dimers formed at low temperatures during PCR set-up. The antibody is released from the polymerase during initial DNA denaturation step, thus providing full DNA polymerase activity during standard cycling conditions.

### QUALITY CONTROL

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The *AMPLIFYME* Probe Universal Mix is extensively tested for its performance in different Real-Time PCR assays. Free of deoxyribonuclease contamination.

Quality authorized by: Justyna Leibner-Ciszak                      Date: 22.08.2018

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