

# xSeptional qPCR Master Mix

Improved  
Performance

- Increased fluorescence
- Better curve progression (sigmoidality)
- Improved sensitivity (100% with 1 copy per reaction)
- A more robust quantification at low template quantities

Characteristics

- High temperature stability
- Excellent purity
- Suitable for GC-rich templates

Sensitivity

The xSeptional 2x qPCR Master Mixes can quantify robustly and reliably in the range of low template quantities (equivalent to high Cq values). The measured detection limit is 1 template per reaction (measured with gDNA and lambda phage DNA) and is therefore at the physical detection limit

Dynamic Range

The xSeptional 2x qPCR Master Mixes offer a broad dynamic range and can therefore be used in assays where large differences in template amounts are expected, e.g. RNA expression, forensics & diagnostics. Especially the robust quantification of low template amounts (Cq range > 35) enables an improvement of the sensitivity of qPCR assays.

Multiplex (Probes)

The xSeptional 2x qPCR Probe Master Mixes consist of an adapted formulation that has been specially adapted to the use of all types of probes (e.g. Taqman<sup>®</sup>, hydrolysis probes in general). This also includes the use of different colors in multiplex assays. The xSeptional 2x qPCR Probe Master Mixes have no inherent fluorescence and can be used for multiplex applications with more than 4 targets.

Products

## Probe Master Mix

### Application:

Probe-based quantitative PCR  
DNA Genotyping  
DNA SNP Analysis  
RNA and miRNA Expression  
Multiplexing (up to 4 colors)  
Transcript Variant Analysis

## SYBRGreen Master Mix

### Application:

RNA Expression  
Telomere length measurement  
HRM  
Diagnostics / Genotyping



## xSeptional 2x qPCR Probe Master Mix

without ROX	7B-6848B-1ML	100 rxns	56,00 €
with ROX	7B-68490-1ML	100 rxns	56,00 €

## xSeptional 2x qPCR SYBRGreen Master Mix

without ROX	7B-69481-1ML	100 rxns	56,00 €
with ROX	7B-69491-1ML	100 rxns	56,00 €

# xSeptional One-Step RT-qPCR Master Mix

Characteristics

- Allows RT and qPCR in the same tube, no additional cDNA synthesis required
- Excellent purity
- Fast kinetics and target amplification even for difficult templates
- Can be used with standard and ultra-fast protocols

Products

### Applications:

RNA and miRNA expression  
Multiplexing (up to 4 colors)  
Transcript Variant Analysis  
Diagnostics



## xSeptional One-Step RT-qPCR Probe Master Mix

without ROX	7B-55480-1ML	100 rxns	150,00 €
with ROX	7B-55490-1ML	100 rxns	150,00 €

## xSeptional One-Step RT-qPCR SYBRGreen Master Mix

without ROX	7B-55481-1ML	100 rxns	150,00 €
with ROX	7B-55491-1ML	100 rxns	150,00 €

