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Quality to Trust
30 Years of Experience

Amplify your Impact

metabion
www.metabion.com

Molecular Diagnostics at its Best: qPCR Probe Portfolio

- *Dual-Labelled Probes*
- *HP Double Quenched Probes*
- *LightCycler® HybProbes*
- *SimpleGT Probes©*
- *Minor Groove Binder (MGB) Probes*
- *Locked Nucleid Acid (LNA) Probes*
- *Zip Nucleic Acid® (ZNA) Probes*
- *Extensive Fluorophore and Quencher Portfolio*

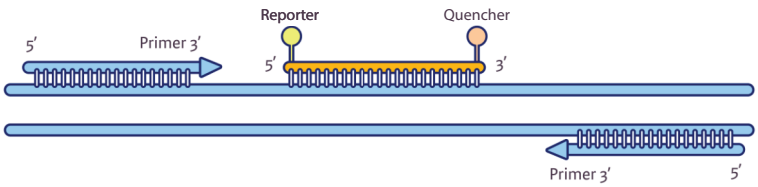
Tailor-made qPCR probes
for all your research and clinical needs

Tackle challenging
sequences and targets

Highest quality probes:
full confidence in results

Dual-Labelled Probes: Your Sequence, Our Expertise

metabion Dual-Labelled Probes are highly customisable qPCR probes, which are compatible with a wide range of qPCR instrumentation. They are labelled with a fluorophore and a corresponding quencher. Our wide range of reporter-quencher combinations suits probe hydrolysis based assays, covering single- and multiplex qPCR applications.



metabion Dual-Labelled Probes are synthesised and purified using the most modern techniques, offering very high quality as well as reducing background noise to a minimum.

Dual-Labelled Probe Applications

Gene Expression Analysis

Pathogen Detection

Mutation Detection

Multiplex Assays

Copy Number Variation Analysis

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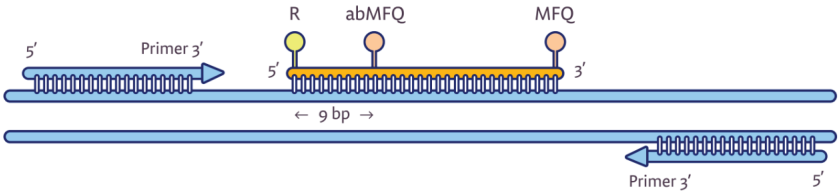
qPCR elevated metabion

HP Double Quenched Probes: Tackle Challenging Targets

Designed for complex multiplex assays and the reliable detection of low-abundance targets or challenging sequences, metabion High Performance Double Quenched probes ensure high sensitivity and performance.

HP Double Quenched Probes utilize a high-performance internal abMFQ quencher, reducing background noise up to four times compared to Dual-Labelled Probes, and increasing endpoint fluorescence.



HP Double Quenched Probes have been developed to advance assay performance by:

- Increased probe melting temperature and thermostability
- Enhanced annealing efficiency for better binding to challenging sequences
- Reduced Cq values for earlier signal detection during the qPCR run

These boost:

- Signal intensity
- Diagnostic specificity and sensitivity

This leads to better experimental data and clearer results for researchers as well as clinicians.

HP Double Quenched Probe Applications

Detection of low-abundance targets

Complex multiplex assays

Longer probes (>25nts) for AT-rich sequences

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