BEBO A new dye for qPCR and HRM

Detect dsDNA in the FAM-channel

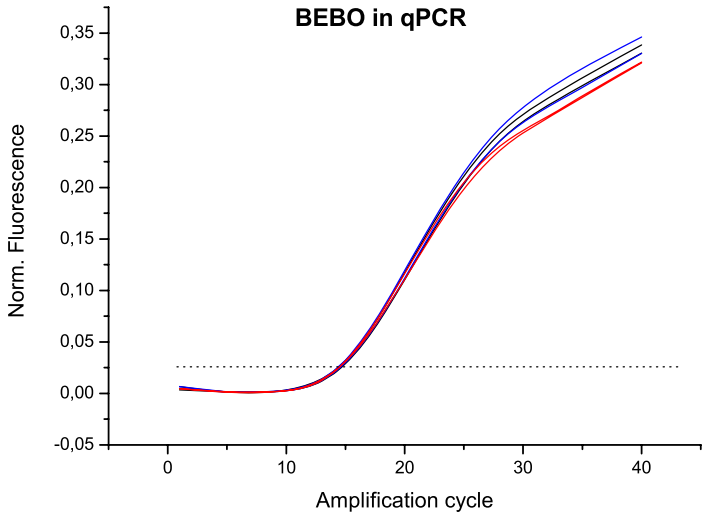
BEBO is an unsymmetric cyanine dye developed by TATAA Biocenter for use in qPCR applications. The dye has absorbance and emission wavelengths that can be detected on the FAM channel on most common real-time PCR platforms, and shows a strong fluorescence increase when bound to dsDNA. BEBO can be used as an unspecific dye for real-time PCR applications or other applications where staining of dsDNA is wanted. The BEBO-family of dyes is patent pending.

BEBO in High Resolution Melt for SNP detection

BEBO has been demonstrated to function well in High Resolution Melt to detect a difference of one single base in PCR products. This is not possible with SYBR Green I.

BEBO can be added to available mastermixes

BEBO is compatible with several commercially available mastermixes and is added to the mix prior to performing the PCR-reaction. Addition of BEBO will not inhibit the PCR.
Different mastermixes may give varying quality of results.



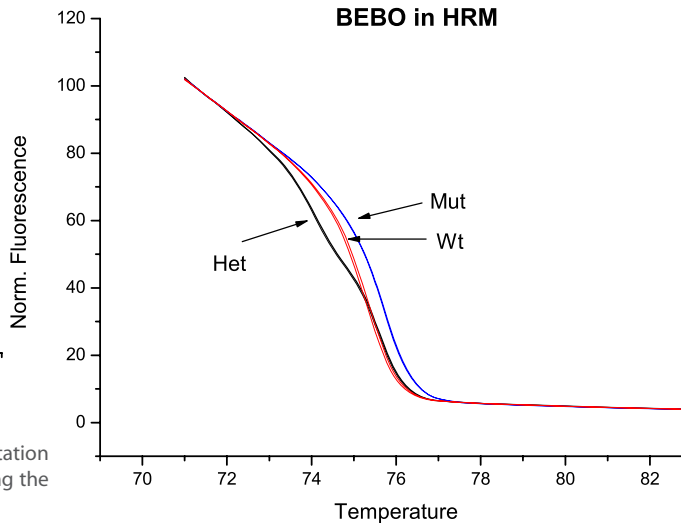
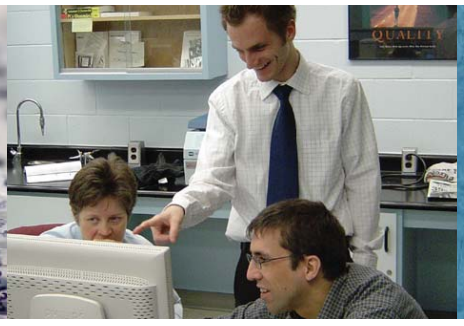
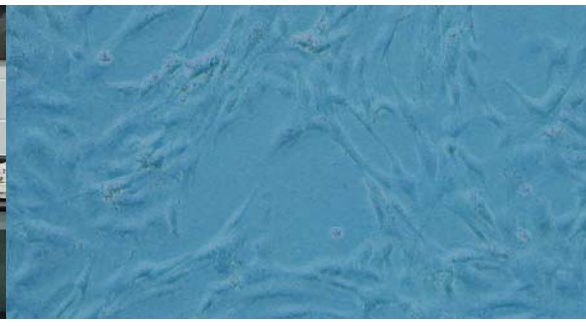


Figure: BEBO was used in the Corbett Rotorgene 6000 to detect a mutation in the Factor V Leiden gene. Heterzygous (Het) and samples containing the Wildtype (Wt) and Mutant (Mut) gene were readily distinguished.





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