



metabion

Meet MEX

The metabion alternative to HEX

Elevate your qPCR assays with next-generation dyes

MEX (Dichloro-diphenyl-fluorescein) is the metabion alternative to HEX. Although widely used, this old dye suffers from chemical instability, which is problematic during oligonucleotide synthesis as well as in down-stream assays due to the presence of byproducts.

MEX is virtually identical in terms of chemical structure, and therefore has practically identical fluorescent properties. However, MEX is much more stable, both during synthesis as well as in experiments, making it the best choice for your assays.

Key Benefits of Switching to MEX



MEX is practically **identical** to HEX, making it easy to integrate MEX in all your existing workflows



MEX **shines** with a high molecular extinction coefficient, quantum yield and resistance to photobleaching



MEX is **highly stable** during oligosynthesis, leading to fewer byproducts and high-quality probes



MEX offers **maximum sensitivity** and **stability** in quantitative and multiplex assays across all PCR cycles

MEX is entirely licence-free and is available for many probes in our qPCR probe portfolio, such as Dual-Labelled Probes, High Performance Double Quenched Probes, as well as MGB and LNA Probes. Scan the QR code and discover our complete qPCR portfolio.

qPCR Portfolio



All your orders are supported by our team of highly qualified scientists!

Order now at wop.metabion.com

metabion – Quality to Trust

Spectral Properties of MEX

MEX as 5' modification	
MW	924 g/mol
Excitation maximum	536 nm
Emission maximum	551 nm
Extinction coefficient (260nm)	34 mM ⁻¹ cm ⁻¹
MEX as an internal modification	
MW	1144 g/mol
Excitation maximum	536 nm
Emission maximum	551 nm
Extinction coefficient (260nm)	43.3 mM ⁻¹ cm ⁻¹



Compatible with quenchers: MBQ-1, BHQ-1 and Eclipse