



Product Datasheet qPCR GreenMaster (orb533382)

Catalog Number orb533382

Category Tools

Description qPCR SybrMaster is designed for quantitative real-time analysis of DNA samples.

The mix contains all reagents required for qPCR (except template and primers) in a premixed 2x concentrated ready-to-use solution. It is recommended for routine PCR applications, high throughput PCR or genotyping and provides an improved specificity and sensitivity when amplifying low-copy-number targets or working with complex backgrounds. The mix is based on an optimized hot-start polymerase. Its activity is blocked by antibody at ambient temperature and switched on automatically at the onset of the initial denaturation. The thermal activation prevents the extension of nonspecifically annealed primers and primer-dimer formation at low temperatures during PCR setup. The fluorescent DNA stain SYBR Green intercalates into the amplification product during the PCR process and allows the direct quantification of target DNA without the need to synthesize sequence-specific labeled probes (i.g. TaqMan Probes). The mix can also be used in combination with ROX reference dye (#orb533366) in PCR instruments that are compatible with the evaluation of the ROX signal.

Form/Appearance liquid

Concentration 2x conc

Application notes Spectroscopic Propertie: λexc 494 nm (bound to DNA), λem 521 nm, (bound

to DNA).

Storage store at -20 °C

Note For research use only

Expiration Date 6 months from date of receipt.

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