

## Product Datasheet

### Ruby Hot Start Master (2x) (orb1733717)

#### Description

Ruby Hot Start Master is a 2 x conc. ready-to-use master mix with blocked polymerase activity at ambient temperature. The master mix is recommended for routine PCR applications, high throughput PCR or genotyping and provides an improved specificity and sensitivity when amplifying low-copy-number targets, working with complex backgrounds or when prolonged room-temperature set-ups are unavoidable. The thermal activation at the onset of the initial denaturation prevents the extension of nonspecifically annealed primers and primer-dimer formation at low temperatures during PCR setup. It contains all reagents required for PCR (except template and primer) in a well-balanced ratio to ensure high specificity and minimal by-product formation in almost all PCR applications without the need of additional optimization steps. Ruby Hot Start Master contains an inherent red dye and gel loading buffer allowing an easy visual control during PCR set-up and the direct loading of the reaction product into the gel. The mix guarantees robust and reliable amplification results with a minimum of pipetting steps, saves time and reduces the risk of contaminations. The total PCR assay volume is freely adaptable to individual protocols or the requirements of automated pipetting systems.

#### Form/Appearance

liquid

#### Concentration

2x conc

#### Storage

store at -20 °C. Short term storage (up to 3 month) at 4 °C possible

#### Note

For research use only

#### Expiration Date

12 months from date of receipt.

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