

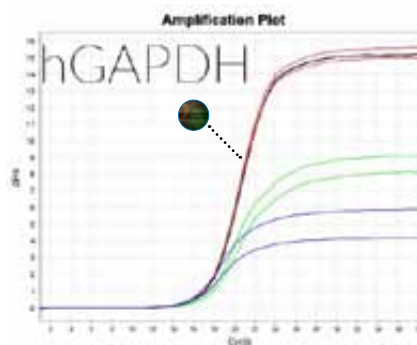


Fig. 1: Comparison of FastGene® IC Green (black & red) with the market leading competitors KB (green) and T (blue). The differences of the C_T -values were under 1 cycle.

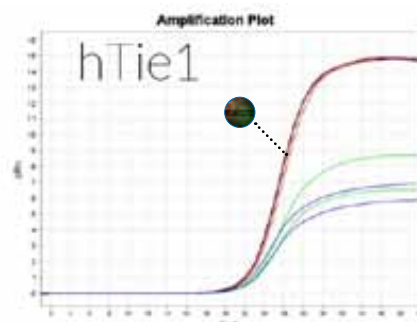


Fig. 2: Comparison of FastGene® IC Green (black & red) with the market leading competitors KB (green) and T (blue). The differences of the C_T -values were under 1 cycle.

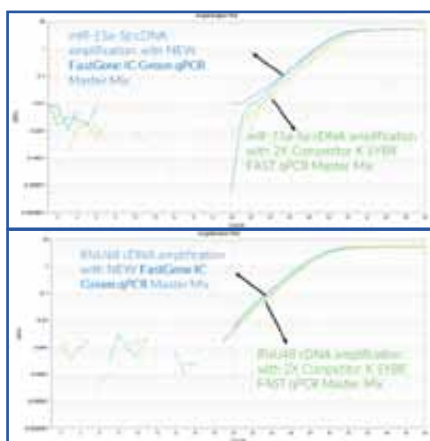


Fig. 3: Comparison of FastGene® IC Green (blue) with the market leading competitors KB (yellow). The differences of the C_T -values were under 1 cycle. Data was kindly provided by an independent researcher.

It is well-known that SYBR Green is extensively inhibiting the qPCR. This fact led to the development of SYBR resistant enzymes. An alternative approach is to develop a dye that does not inhibit the reaction. This dye is named FastGene® IC Green. FastGene® IC Green is an intercalating dye, only detecting double stranded DNA. By not inhibiting the reaction, the FastGene® IC Green kit is able to detect genes at a lower C_T -value, creating a higher sensitivity!

Applications

- Quantification of Gene Expression
- Quantification of Gene Copy number
- Melt-curve analysis
- Detection of Gene Expression (Knock-out analysis)



No inhibition - For the highest sensitivity

The superior buffer chemistry enables the detection of low copy number genes, which with other dyes could not be detected. The comparison to competitors shows that FastGene® IC Green is one of the best qPCR mixes available. This has been confirmed by customers analyzing many different genes.

Robust chemistry for faster results

The FastGene® IC Green buffers were designed to have a superior robustness. This guarantees the linearity of the qPCR and creates a better accuracy, essential for reproducible results. Additionally, qPCRs can be performed at lower amplification times for example using fast protocols.

Universal - for any qPCR instrument

The FastGene® IC Green kit is universal. The reference dyes come in a separate vial and can be added once to the master mixes. Hence, this kit can be used with qPCR instruments which need a high ROX™ concentration as well as instruments that need a low concentration or no ROX™. There is even a special version with fluorescein.

Ordering Information

Cat. No.	Product	Content
LS4001	FastGene® 2x IC Green Universal (ROX™)	100 Reactions
LS4005	FastGene® 2x IC Green Universal (ROX™)	500 Reactions
LS4050	FastGene® 2x IC Green Universal (ROX™)	5000 Reactions
LS4101	FastGene® 2x IC Green Universal (Fluorescein)	100 Reactions
LS4105	FastGene® 2x IC Green Universal (Fluorescein)	500 Reactions
LS4150	FastGene® 2x IC Green Universal (Fluorescein)	5000 Reactions