



## qPCR Loading Indicator Kit

(LIK)

Catalog #GQ300

1,500 reactions

### Product Description

ScienCell's qPCR Loading Indicator Kit (LIK) contains 3 inert loading indicators (LIs), LI Gold, LI Red and LI Blue, to be used in SYBR<sup>®</sup> Green or other green fluorescent dye-based qPCR reactions. It allows for better visualization and tracking of sample loading in qPCR plates or tubes.

LIK is validated with SYBR<sup>®</sup> Green dye-based qPCR, however, one or more components of this kit may work for other types of qPCR. Always do a parallel test with and without the loading indicators for feasibility before use.

### Kit Components

Cat #	Component	Quantity	Storage
GQ300G	LI Gold (20X)	500 $\mu$ L	4°C
GQ300R	LI Red (20X)	500 $\mu$ L	4°C
GQ300B	LI Blue (20X)	500 $\mu$ L	4°C

### Reagent Use Instructions

**Suggested concentrations:** for each 20  $\mu$ L qPCR reaction, 1  $\mu$ L of each of the 3 components, LI Gold, LI Red and LI Blue can be added to make the final loading indicator concentration of each 1X. Do not add more than 1  $\mu$ L of any single loading indicator to one 20  $\mu$ L qPCR reaction. A maximum of 3  $\mu$ L of loading indicators can be added to one 20  $\mu$ L qPCR reaction.

LIK is designed for maximal flexibility. The 3 components can be used alone or together in one qPCR reaction. They can be added to any component of qPCR reactions to be visualized for loading. At suggested concentrations, putting one, two or all three components into one qPCR reaction does not adversely affect qPCR specificity, qPCR efficiency, melt curve analysis results or agarose gel electrophoresis.

### Quality Control

LIK is validated with FastStart Essential DNA Green Master (Roche, Cat #06402712001), and at the suggested concentrations, no effect on qPCR specificity or efficiency was observed.

### Product Use

LIK is for research use only. It is not approved for human or animal use, or for application in clinical or *in vitro* diagnostic procedures.

### Shipping and Storage

The product is shipped at ambient temperature. Upon receipt, the product should be stored at 4°C and protected from light. The product is stable for 1 year if handled properly.