

GC-Melt Reagent (5M)

Catalog No.
639238

Amount
1 ml

Lot Number
Specified on product label.

Description

The RNase-free GC-Melt Reagent (5M) can be used with Titanium® *Taq* DNA Polymerase (Cat. Nos. 639208 & 639209), Advantage® GC 2 Polymerase Mix (Cat. No. 639114), or the Advantage-GC 2 PCR Kits (Cat. Nos. 639119 & 639120). GC-Melt Reagent can improve the specificity and yield of PCR reactions, especially when using templates with a high GC content or secondary structure.

Package Contents

- 1 ml GC-Melt Reagent (5.0 M)

Storage Conditions

- Store at –20°C.
- At times, precipitate may be observed in the GC-Melt. This precipitate does not affect the performance of the kit. The precipitate can be dissolved rapidly by mixing at room temperature or warming at 37°C for a few minutes.

Expiration Date

- Specified on product label.

Shipping Conditions

- Dry ice

Product Documents

Documents for our products are available for download at takarabio.com/manuals

Quality Control Data

The GC-Melt Reagent (5M) was tested using the reagents from the Advantage-GC 2 PCR Kit. Amplification of a 510 bp, GC-rich fragment from the insulin-like growth factor receptor II (*IGFR II*) gene, of which 110 bp is 90% GC rich, was performed using the kit reagents in the presence of increasing concentrations of GC-Melt Reagent (0, 0.5, 1.0, 1.5, and 2 M). Reactions were assembled and performed as described in the Advantage-GC 2 User Manual. Cycling parameters were set as follows:

94°C	3 min
25 cycles:	
94°C	30 sec
68°C	1.5 min
68°C	3 min

5 µl of each PCR product was electrophoresed on a 2.0% agarose/EtBr gel. The presence of a major band of 0.5 kb was observed in the lanes containing template amplified in the presence of 0.5 M and 1.0 M GC-Melt Reagent.

It is certified that this product meets the above specifications, as reviewed and approved by the Quality Department.

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NOTICE TO PURCHASER:

Our products are to be used for **Research Use Only**. They may not be used for any other purpose, including, but not limited to, use in humans, therapeutic or diagnostic use, or commercial use of any kind. Our products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products or to provide a service to third parties without our prior written approval.

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