5x MangoTaq™ Colored Reaction Buffer

Shipping: On Dry/Blue Ice

Catalog numbers

BIO-37102 : 10ml

Batch No.: See vial

Concentration: 5x

Store at –20°C

Storage and stability:
5x MangoTaq Colored Buffer is shipped on Dry/Blue Ice and stored at –20°C.

Expiry
When stored under the recommended conditions and handled correctly, full activity of the kit is retained until the expiry date on the outer box label.

Safety precautions:
This product is for R&D use only, not for human use, or any other use. Irritating to eyes, respiratory system and skin. May cause sensitization by inhalation and skin contact. Please refer to the material safety data sheet for information regarding hazards and safe handling practice.

Quality control specifications:
5x MangoTaq Colored Buffer is extensively tested for the absence of nucleic acid contamination prior to release.

Notes
Research Use Only.

Features

- Optimized reaction buffer for PCR
- Two inert dyes for easy orientation

Applications

- To monitor migration rate during agarose electrophoresis
- For high-throughput application in combination with Mango*Taq*

Description

The 5x Mango*Taq*™ Colored Reaction Buffer contains two inert dyes (red and orange) that separate during gel electrophoresis and provide quick reference points for monitoring the mobility of the DNA samples in the gel. The red dye migrates at 300bp on a 2% agarose gel. The orange dye migrates at 30bp on a 2% agarose gel and <10bp on a 1% gel.

The colored reaction buffer can be loaded directly onto an agarose gel for analysis, without the need for separate gel-loading buffer. The presence of the dyes has no effect on routine enzymatic manipulations, although rare exceptions may exist. For high-throughput applications, the colored reaction buffer and Mango*Taq* DNA Polymerase make an ideal choice, since this combination enables the user to load the PCR products directly on a gel to facilitate visual recognition

Components

Product Name	Volume
5x MangoTaq™ Colored Reaction Buffer	10 ml

Associated products

Product Name	Pack size	Cat. No.
Mango*Taq*™	1000 Units	BIO-21083
Mango*Taq*™	2000 Units	BIO-21082
MangoMix™	250 Reactions	BIO-25033
MangoMix™	1000 Reactions	BIO-25034
HyperLadder™ 1kb	200 Lanes	BIO-33025
Agarose	100g	BIO-41026
SureClean Plus	1 x 5ml	BIO-37047

Product Citations:

1. Gillespie, K., *et al. Tissue Antigens,* **56(6),** 530 (2000)
2. Caldwell, G., *et al. Cancer Research,* **64**, 883-888 (2004)
3. Al-Sharif, F., *et al. J. Immunogenetics,* **49(7-8),** 740-741 (1999)

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