

Matchmaker® Insert Check PCR Mix 2

Catalog No.

630497

Amount

100 rxns

Lot Number

Specified on product label.

Description

Matchmaker Insert Check PCR Mix 2 is a 2X pre-mix that allows quick and easy PCR directly from yeast colonies. The Mix contains a PCR polymerase, primers, dNTPs, and buffer; simply add cells to the mix and perform 30 cycles of PCR. Matchmaker Insert Check PCR Mix 2 is designed to be used with our Matchmaker Gold Yeast One- and Two-Hybrid Screening Systems (Cat. Nos. 630491 and 630489, respectively) to amplify and screen cDNA inserts from prey/library plasmids following yeast one- and two-hybrid screening. The Mix is compatible with GAL4 AD libraries constructed in the following vectors: pGADT7, pGADT7-Rec, pGADT7-Rec2, pGAD424, pACT, pACT2, pGAD GH, pGAD GL, and pGAD10.

Package Contents

- 4 x 625 µl 2X Matchmaker Insert Check Mix 2

Storage Conditions

- Store at -20°C.

Shelf Life

- Specified on product label.

Shipping Conditions

- Dry ice (-70°C)

Product Documents

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

The following documents apply to this product:

- Matchmaker Insert Check PCR Mix Protocol-at-a-Glance

Takara Bio USA, Inc.

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Quality Control Data

Functional Quality Control

PCR amplification of prey vector inserts from yeast cells and purified vector DNA:

Matchmaker Insert Check PCR Mix 2 was used to amplify the SV40 large T antigen cDNA insert from yeast cells harboring an episomal prey vector, pGADT7, encoding a GAL4 AD/SV40 large T antigen fusion. PCR was performed directly on the yeast cells harboring the vector, as well as on vector DNA purified from these cells.

Thermal cycling conditions were as follows:

94°C	1 min] 30 cycles	1 cycle
98°C	10 sec		
68°C	3 min		

5 µl of each PCR reaction was analyzed on a 1% agarose/EtBr gel. In each reaction containing either yeast cells or vector DNA, a single 2.1-kb PCR product was observed; no PCR product was observed in the reactions lacking template.

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 purposes only. They may not be used for any other purpose, including, but not limited to, use in drugs, in vitro diagnostic purposes, therapeutics, or in humans. 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 prior written approval of Takara Bio USA, Inc.

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