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PRODUCT: Matchmaker™ Insert Check PCR Mix 2

CATALOG No.
630497

AMOUNT
100 PCR rxns

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.

LOT NUMBER

Specified on product label.

STORAGE CONDITIONS

Store at -20°C.

SHELF LIFE

Specified on product label.

SHIPPING CONDITIONS

Dry ice (-70°C)

PACKAGE CONTENTS

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

OTHER

- Matchmaker Insert Check PCR Mix Protocol-at-a-Glance (PT4102-2)

FOR RESEARCH USE ONLY**QUALITY CONTROL DATA**

See back of page.



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(PA913049)

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	1 cycle
98°C, 10 sec	} 30 cycles
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.

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STATEMENT 68

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