

# miScript™ miRNA PCR Array

## Mouse miFinder

For mature miRNA expression profiling using SYBR® Green-based real-time PCR

Cyclers for use with miScript miRNA PCR Array formats

| Format | Suitable real-time cyclers                                                                                                                                                                                                                                                                            | Plate              | Cat. no.             |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------------|
| A      | Applied Biosystems® models 5700, 7000, 7300, 7500, 7700, 7900HT, ViiA™ 7 (96-well block);<br>Bio-Rad® models iCycler®, iQ™ 5, MyiQ™, MyiQ2;<br>Bio-Rad/MJ Research Chromo4™; Eppendorf®<br>MasterCycler® ep realplex models 2, 2s, 4, 4s;<br>Stratagene® models Mx3005P®, Mx3000P®;<br>Takara: TP-800 | 96 well            | 331221<br>MIMM-001ZA |
| C      | Applied Biosystems models 7500 (Fast block), 7900HT (Fast block), StepOnePlus™, ViiA 7 (Fast block)                                                                                                                                                                                                   | 96 well            | 331221<br>MIMM-001ZC |
| D      | Bio-Rad CFX96™; Bio-Rad/MJ Research models DNA Engine Opticon®, DNA Engine Opticon 2; Stratagene Mx4000®                                                                                                                                                                                              | 96 well            | 331221<br>MIMM-001ZD |
| E      | Applied Biosystems models 7900HT (384-well block), ViiA 7 (384-well block); Bio-Rad CFX384™                                                                                                                                                                                                           | 384 well           | 331221<br>MIMM-001ZE |
| F      | Roche® LightCycler® 480 (96-well block)                                                                                                                                                                                                                                                               | 96 well            | 331221<br>MIMM-001ZF |
| G      | Roche: LightCycler 480 (384-well block)                                                                                                                                                                                                                                                               | 384 well           | 331221<br>MIMM-001ZG |
| R      | Rotor-Gene® Q, Rotor-Gene 6000, other Rotor-Gene cyclers                                                                                                                                                                                                                                              | Rotor-Disc®<br>100 | 331221<br>MIMM-001ZR |



Sample & Assay Technologies

## Contents

miScript miRNA PCR Arrays Formats A, C, D, and F consist of 2, 12, or 24 PCR array plates. miScript miRNA PCR Arrays Formats E and G consist of 4 PCR array plates. miScript miRNA PCR Arrays Format R consists of 2, 12, or 24 Rotor-Discs. Formats A and D are provided with 24, 144, or 288 Optical Thin-Wall 8-Cap Strips. Formats C and F are provided with 2, 12, or 24 Optical Adhesive Films. Formats E and G are provided with 4 Optical Adhesive Films and 4 sets of 384EZLoad Covers. Format R is provided with 2, 12, or 24 Rotor-Disc Heat Sealing Films.

## Description

The Mouse miFinder miScript miRNA PCR Array profiles the expression of the 84 most abundantly expressed and best characterized miRNAs in the latest version of miRBase ([www.miRBase.org](http://www.miRBase.org)). Although they are well characterized, each of these miRNAs can regulate one or more messenger RNA transcripts, and conversely a given mRNA can be regulated by one or more miRNAs. As a result, the complex role played by any given miRNA is yet to be defined completely. This array maximizes the likelihood of discovering miRNAs whose expression patterns correlate with the biological phenotypes under study. A set of controls present on this array enables data analysis using the  $\Delta\Delta C_t$  method of relative quantification, assessment of reverse transcription performance, and assessment of PCR performance. Using SYBR Green-based real-time PCR, the expression of a focused panel of 84 abundantly expressed and well-characterized miRNAs can be easily and reliably analyzed with this miScript miRNA PCR Array.

For further details, consult the *miScript miRNA PCR Array Handbook*.

QIAGEN reserves the right to occasionally redesign individual assays on the miScript Arrays for improved performance. This revision history can be accessed by contacting technical support and supplying the batch numbers from your arrays.

## Shipping and storage

miScript miRNA PCR Arrays are shipped at ambient temperature, on ice, or on dry ice depending on the destination and accompanying products. Upon receipt, store at  $-20^{\circ}\text{C}$ . If stored under these conditions, miScript miRNA PCR Arrays are stable for 6 months after receipt.

**Note:** Ensure that you have the correct miScript miRNA PCR Array format for your real-time cycler (see table above).

**Note:** Open the package and store the products at the indicated temperature immediately on receipt.

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### Array layout(96- and 384-well [4x96])

**Note:** Wells A1 to H12 of a 96-well plate correspond to wells 1 to 96 of a Rotor-Disc 100.

**Note:** miScript Primer Assays can be ordered for each mature miRNA at

[www.qiagen.com/GeneGlobe](http://www.qiagen.com/GeneGlobe).

[illegible]

## Related products

| Product                                      | Contents                                                                                                                                                               | Cat. no. |
|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| miScript II RT Kit (12)                      | For 12 cDNA synthesis reactions: miScript Reverse Transcriptase Mix, 10x miScript Nucleics Mix, 5x miScript HiSpec Buffer, 5x miScript HiFlex Buffer, RNase-Free Water | 218160   |
| miScript II RT Kit (50)                      | For 50 cDNA synthesis reactions: miScript Reverse Transcriptase Mix, 10x miScript Nucleics Mix, 5x miScript HiSpec Buffer, 5x miScript HiFlex Buffer, RNase-Free Water | 218161   |
| miScript SYBR Green PCR Kit (200)            | For 200 reactions: QuantiTect SYBR Green PCR Master Mix, miScript Universal Primer                                                                                     | 218073   |
| miScript SYBR Green PCR Kit (1000)           | For 1000 reactions: QuantiTect SYBR Green PCR Master Mix, miScript Universal Primer                                                                                    | 218075   |
| miRNome miScript miRNA PCR Array             | Array of assays for the human, mouse, rat, or dog miRNome; available in 96-well, 384-well, or Rotor-Disc 100 format                                                    | Varies   |
| miScript miRNA QC PCR Array                  | Array for assessing cDNA sample quality                                                                                                                                | Varies   |
| miScript Primer Assay (100)                  | 10x miScript Primer Assay (contains one miRNA-specific primer)                                                                                                         | Varies   |
| RT <sup>2</sup> PCR Array Loading Reservoirs | 12 x 5 ml capacity, irradiation-sterilized loading reservoirs                                                                                                          | 338162   |
| 384EZLoad Covers                             | Pack of 4 color-coded covers for loading 384-well plates                                                                                                               | 338125   |

For up-to-date licensing information and product-specific disclaimers, see the respective QIAGEN kit handbook or user manual. QIAGEN kit handbooks and user manuals are available at [www.qiagen.com](http://www.qiagen.com) or can be requested from QIAGEN Technical Services or your local distributor.

Trademarks: QIAGEN®, miScript™, Rotor-Gene®, Rotor-Disc® (QIAGEN Group); Roche®, LightCycler® (Roche Group); Applied Biosystems®, ROX™, StepOnePlus™, SYBR®, ViiA™ (Life Technologies Corporation); Eppendorf®, Mastercycler® (Eppendorf AG); Stratagene®, Mx3005P®, Mx3000P®, Mx4000® (Agilent Technologies); Bio-Rad®, iCycler®, Chromo4™, CFX96™, DNA Engine Opticon®, CFX384™, iQ™, MyiQ™ (Bio-Rad Laboratories, Inc.).

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