

September 2018

Product Sheet

QIAseq[®] miRNA Library QC PCR Panel Kit

384-well-plate format

Contents

Enzyme mix, 10x concentrated	2 x 24 µL
5x Reaction buffer	128 µL
UniSp-6 RNA spike-in template, lyophilized	12 fmol
QIAseq NGS Spike-ins, 52 RNAs (5' phosphorylated)	Dried down
QIAseq miRNA Library QC PCR Panel Kit, 384-well plate	48 x 8 assays (1 plate)
Nuclease-free water	1 mL

Description

The primary purpose of the QIAseq miRNA Library QC Spike-in Kit and corresponding PCR Panel is to provide sample- and sequencing-library quality-control data by allowing assessment of the reproducibility and linearity of the spike-ins incorporated into the library, with NGS reads mapped to these exogenous sequences after sequencing.

We highly recommend the QIAseq miRNA Library Kits when constructing a small RNA NGS library and using unique molecular indexing (UMI) during data analysis. The quality of the library can be assessed by using the QIAseq miRNA Library QC PCR Panel Kit (cat. no. 331541) or the QIAseq miRNA Library QC qPCR Assay Kit (cat. no. 331551).

For instructions on how to use the QIAseq miRNA Library QC PCR Panel Kit, please refer to the *QIAseq miRNA Library QC PCR Handbook*, which can be downloaded from www.qiagen.com/HB-2437.

Table 1. Plate formats for QIAseq miRNA Library QC PCR Panel

Plate format	Suitable real-time cyclers	Cat. no.
E*	Applied Biosystems® 7900HT (384-well block), ViiA™ 7 (384-well block); Bio-Rad® CFX384™	YAHS-901ZE
G*	Roche® LightCycler® 480 (384-well block)	YAHS-901ZG

* Plate type: 384 well. Contents: 1 plate. Mat. no. 331541.

Table 2. Assay information for QIAseq miRNA Library QC PCR Panel

Plate location	Assay target	Assay cat. no.	Plate location	Assay target	Assay cat. no.
A1–P1*	miR-103a-3p	YP00204063	A13–P13*	miR-23a-3p	YP00204772
A2–P2*	miR-191-5p	YP00204306	A14–P14*	miR-30c-5p	YP00204783
A3–P3*	UniSp-6	YP00203954	A15–P15*	UniSp-100	YP02119306
A4–P4*	miR-451a	YP02119305	A16–P16*	UniSp-101	YP02119307
A5–P5*	miR-23a-3p	YP00204772	A17–P17*	miR-103a-3p	YP00204063
A6–P6*	miR-30c-5p	YP00204783	A18–P18*	miR-191-5p	YP00204306
A7–P7*	UniSp-100	YP02119306	A19–P19*	UniSp-6	YP00203954
A8–P8*	UniSp-101	YP02119307	A20–P20*	miR-451a	YP02119305
A9–P9*	miR-103a-3p	YP00204063	A21–P21*	miR-23a-3p	YP00204772
A10–P10*	miR-191-5p	YP00204306	A22–P22*	miR-30c-5p	YP00204783
A11–P11*	UniSp-6	YP00203954	A23–P23*	UniSp-100	YP02119306
A12–P12*	miR-451a	YP02119305	A24–P24*	UniSp-101	YP02119307

* Mat. no. 33906.

Shipping and storage

The ready-to-use QIAseq miRNA Library QC PCR Panels are shipped at room temperature (15–25°C) and can be stored at 4°C for at least 6 months. The QIAseq miRNA Library QC Spike-ins are shipped on dry ice. All components should be stored immediately at –20°C. After resuspension, it is recommended to store the QIAseq NGS Spike-ins in aliquots at –20°C to avoid repeated freeze-thaw cycles. Under these conditions, all components are stable until the expiry date listed on the vial.

Safety information

When working with chemicals, always wear a suitable lab coat, disposable gloves and protective goggles. For more information, please consult the appropriate safety data sheets (SDSs). These are available online in convenient and compact PDF format at www.qiagen.com/safety, where you can find, view and print the SDS for each QIAGEN kit and kit component.

Ordering Information

Product	Contents	Cat. no.
QIAseq miRNA Library QC PCR Panel Kit 384-well-plate format	Enzyme mix, 5x reaction buffer, nuclease-free water, PCR assays in 384-well format, UniSp-6 RNA Spike-in, QIAseq miRNA Library QC Spike-ins	331541
QIAseq miRNA Library QC Spike-in (96)	52 RNAs (5' phosphorylated), dried down in one tube, nuclease-free water	331535
QIAseq miRNA Library Kit (96)	For 96 sequencing prep reactions: 3' ligation, 5' ligation, reverse transcription, cDNA cleanup, library amplification and library cleanup reagents; quality control primers	331505
QIAseq miRNA Library Kit (12)	For 12 sequencing prep reactions: 3' ligation, 5' ligation, reverse transcription, cDNA cleanup, library amplification and library cleanup reagents; quality control primers	331502
QIAseq miRNA 96 Index IL (96)	Sequencing adapters, primers and custom indexes compatible with Illumina® platforms; breakable, HT format (dried primers) with 96 indexes for 96 samples	331565
QIAseq miRNA 48 Index IL (96)	Sequencing adapters, primers and indexes compatible with Illumina platforms; two 48 indexes for 96 samples	331595
QIAseq miRNA 12 Index IL (12)	Sequencing adapters, primers and indexes compatible with Illumina platforms; 12 indexes for 12 samples	331592
QIAseq miRNA 48 Index TF (96)	Sequencing adapters, primers and custom indexes compatible with Thermo Fisher Scientific® platforms; 2 breakable, HT format (dried primers) with 48 indexes for 96 samples	331585

Ordering Information

Product	Contents	Cat. no.
QIAseq miRNA 12 Index TF (12)	Sequencing adapters, primers and indexes compatible with Thermo Fisher Scientific platforms; 12 indexes for 12 samples	331582
QIAseq miRNA Library QC qPCR Assay Kit	Enzyme mix, 5x reaction buffer, nuclease-free water, QIAseq miRNA Library QC Spike-ins, 8 PCR assays in tube format	331551

The QIAseq miRNA Library QC PCR Panels are intended for molecular biology applications. This product is not intended for the diagnosis, prevention or treatment of a disease.

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 or can be requested from QIAGEN Technical Services or your local distributor.

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