

miRCURY LNA™ miRNA Focus PCR Panels

Human Cancer Product Data Sheet

Cat. no. 339325 YAHS-102Y

For mature miRNA expression profiling using real-time PCR

Format	Suitable real-time cyclers	Plate	Cat. no.
A	Applied Biosystems® models 5700, 7000, 7300, 7500, 7700, 7900HT, ViiA™ 7 (96-well block); Bio-Rad® models iCycler®, iQ™5, MyiQ™, MyiQ2; Bio-Rad/MJ Research Chromo4™; Eppendorf® MasterCycler® ep realplex models 2, 2s, 4, 4s; Stratagene® models Mx3005P®, Mx3000P®; Takara: TP-800	96-well	YAHS-102YA
C	Applied Biosystems models 7500 (Fast block), 7900HT (Fast block), StepOnePlus™, ViiA 7 (Fast block)	96-well	YAHS-102YC
D	Bio-Rad CFX96™; Bio-Rad/MJ Research models DNA Engine Opticon®, DNA Engine Opticon 2; Stratagene Mx4000®	96-well	YAHS-102YD
E	Applied Biosystems® models 7900HT (384-well block), ViiA™ 7 (384-well block); Bio-Rad CFX384™	384-well	YAHS-102YE
F	Roche® LightCycler® 480 (96-well block)	96-well	YAHS-102YF
G	Roche® LightCycler® 480 (384-well block)	384-well	YAHS-102YG

For further details, consult the *miRCURY LNA™ miRNA Focus PCR Panels Handbook*.

Array Layout

	1	2	3	4	5	6	7	8	9	10	11	12
A	hsa-let-7a-5p	hsa-let-7b-5p	hsa-let-7c-5p	hsa-let-7d-5p	UniSp2	hsa-miR-200a-3p	hsa-let-7g-5p	hsa-let-7f-5p	hsa-miR-1-3p	hsa-miR-100-5p	hsa-let-7f-5p	hsa-miR-101-3p
B	hsa-miR-103a-3p	hsa-miR-106a-5p	hsa-miR-106b-5p	hsa-miR-107	UniSp4	UniSp6	hsa-miR-125b-5p	hsa-miR-126-3p	hsa-miR-130a-3p	hsa-miR-132-3p	hsa-miR-10b-5p	hsa-miR-133a-3p
C	hsa-miR-141-3p	hsa-miR-143-3p	hsa-miR-145-5p	hsa-miR-146a-5p	UniSp5	hsa-miR-26a-5p	hsa-miR-150-5p	hsa-miR-155-5p	hsa-miR-15a-5p	hsa-miR-15b-5p	hsa-miR-149-3p	hsa-miR-16-5p
D	hsa-miR-17-5p	hsa-miR-181a-5p	hsa-miR-181b-5p	hsa-miR-182-5p	cel-miR-39-3p	hsa-miR-27a-3p	hsa-miR-186-5p	hsa-miR-18a-5p	hsa-miR-191-5p	hsa-miR-192-5p	hsa-miR-148a-3p	hsa-miR-194-5p
E	hsa-miR-195-5p	hsa-miR-196a-5p	hsa-miR-19a-3p	hsa-miR-19b-3p	UniSp3	hsa-miR-200b-3p	hsa-miR-200c-3p	hsa-miR-202-3p	hsa-miR-10a-5p	hsa-miR-205-5p	hsa-miR-206	hsa-miR-20a-5p
F	hsa-miR-20b-5p	hsa-miR-21-5p	hsa-miR-210-3p	hsa-miR-214-3p	hsa-miR-215-5p	SNORD38B (hsa)	hsa-miR-22-3p	hsa-miR-221-3p	hsa-miR-222-3p	hsa-miR-223-3p	U6 snRNA	hsa-miR-23a-3p
G	hsa-miR-23b-3p	hsa-miR-24-3p	hsa-miR-25-3p	UniSp3	hsa-miR-24b-5p	UniSp3	hsa-miR-27b-3p	hsa-miR-29a-3p	hsa-miR-29b-3p	hsa-miR-29c-3p	hsa-miR-30b-5p	hsa-miR-30c-5p
H	hsa-miR-30d-5p	hsa-miR-31-5p	hsa-miR-34a-5p	SNORD49A (hsa)	hsa-miR-423-5p	hsa-miR-7-5p	hsa-miR-9-5p	hsa-let-7e-5p	hsa-miR-92b-3p	hsa-miR-93-5p	hsa-miR-99a-5p	Blankspot

miRNA Table

Well	miRNA ID	Accession #	Assay Catalog #	Well	miRNA ID	Accession #	Assay Catalog #
A01	hsa-let-7a-5p	MIMAT0000062	YP00205727	E01	hsa-miR-195-5p	MIMAT0000461	YP00205869
A02	hsa-let-7b-5p	MIMAT0000063	YP00204750	E02	hsa-miR-196a-5p	MIMAT0000226	YP00204386
A03	hsa-let-7c-5p	MIMAT0000064	YP00204767	E03	hsa-miR-19a-3p	MIMAT0000073	YP00205862
A04	hsa-let-7d-5p	MIMAT0000065	YP00204124	E04	hsa-miR-19b-3p	MIMAT0000074	YP00204450
A05	UniSp2	N/A	YP00203950	E05	UniSP3	N/A	YP02119288
A06	hsa-miR-200a-3p	MIMAT0000682	YP00204707	E06	hsa-miR-200b-3p	MIMAT0000318	YP00206071
A07	hsa-let-7g-5p	MIMAT0000414	YP00204565	E07	hsa-miR-200c-3p	MIMAT0000617	YP00204482
A08	hsa-let-7f-5p	MIMAT0000415	YP00204394	E08	hsa-miR-202-3p	MIMAT0002811	YP00205990
A09	hsa-miR-1-3p	MIMAT0000416	YP00204344	E09	hsa-miR-10a-5p	MIMAT0000253	YP00204778
A10	hsa-miR-100-5p	MIMAT0000098	YP00205689	E10	hsa-miR-205-5p	MIMAT0000266	YP00204487
A11	hsa-let-7f-5p	MIMAT0000067	YP00204359	E11	hsa-miR-206	MIMAT0000462	YP00206073
A12	hsa-miR-101-3p	MIMAT0000099	YP00204786	E12	hsa-miR-20a-5p	MIMAT0000075	YP00204292
B01	hsa-miR-103a-3p	MIMAT0000101	YP00204063	F01	hsa-miR-20b-5p	MIMAT0001413	YP00204755
B02	hsa-miR-106a-5p	MIMAT0000103	YP00204563	F02	hsa-miR-21-5p	MIMAT0000076	YP00204230
B03	hsa-miR-106b-5p	MIMAT0000680	YP00205884	F03	hsa-miR-210-3p	MIMAT0000267	YP00204333
B04	hsa-miR-107	MIMAT0000104	YP00204468	F04	hsa-miR-214-3p	MIMAT0000271	YP00204510
B05	UniSp4	N/A	YP00203953	F05	hsa-miR-215-5p	MIMAT0000272	YP00204598
B06	UniSp6	N/A	YP00203954	F06	SNORD38B (hsa)	N/A	YP00203901
B07	hsa-miR-125b-5p	MIMAT0000423	YP00205713	F07	hsa-miR-22-3p	MIMAT0000077	YP00204606
B08	hsa-miR-126-3p	MIMAT0000445	YP00204227	F08	hsa-miR-221-3p	MIMAT0000278	YP00204532
B09	hsa-miR-130a-3p	MIMAT0000425	YP00204658	F09	hsa-miR-222-3p	MIMAT0000279	YP00204551
B10	hsa-miR-132-3p	MIMAT0000426	YP00206035	F10	hsa-miR-223-3p	MIMAT0000280	YP00205986
B11	hsa-miR-10b-5p	MIMAT0000254	YP00205637	F11	U6 snRNA	N/A	YP00203907
B12	hsa-miR-133a-3p	MIMAT0000427	YP00204788	F12	hsa-miR-23a-3p	MIMAT0000078	YP00204772
C01	hsa-miR-141-3p	MIMAT0000432	YP00204504	G01	hsa-miR-23b-3p	MIMAT0000418	YP00204790
C02	hsa-miR-143-3p	MIMAT0000435	YP00205992	G02	hsa-miR-24-3p	MIMAT0000080	YP00204260
C03	hsa-miR-145-5p	MIMAT0000437	YP00204483	G03	hsa-miR-25-3p	MIMAT0000081	YP00204361
C04	hsa-miR-146a-5p	MIMAT0000449	YP00204688	G04	UniSP3	N/A	YP02119288
C05	UniSp5	N/A	YP00203955	G05	hsa-miR-26b-5p	MIMAT0000083	YP00204172
C06	hsa-miR-26a-5p	MIMAT0000082	YP00206023	G06	UniSP3	N/A	YP02119288
C07	hsa-miR-150-5p	MIMAT0000451	YP00204660	G07	hsa-miR-27b-3p	MIMAT0000419	YP00205915
C08	hsa-miR-155-5p	MIMAT0000646	YP00204308	G08	hsa-miR-29a-3p	MIMAT0000086	YP00204698
C09	hsa-miR-15a-5p	MIMAT0000068	YP00204066	G09	hsa-miR-29b-3p	MIMAT0000100	YP00204679
C10	hsa-miR-15b-5p	MIMAT0000417	YP00204243	G10	hsa-miR-29c-3p	MIMAT0000681	YP00204729
C11	hsa-miR-149-3p	MIMAT0004609	YP00204093	G11	hsa-miR-30b-5p	MIMAT0000420	YP00204765
C12	hsa-miR-16-5p	MIMAT0000069	YP00205702	G12	hsa-miR-30c-5p	MIMAT0000244	YP00204783
D01	hsa-miR-17-5p	MIMAT0000070	YP02119304	H01	hsa-miR-30d-5p	MIMAT0000245	YP00206047
D02	hsa-miR-181a-5p	MIMAT0000256	YP00206081	H02	hsa-miR-31-5p	MIMAT0000089	YP00204236
D03	hsa-miR-181b-5p	MIMAT0000257	YP00204530	H03	hsa-miR-34a-5p	MIMAT0000255	YP00204486
D04	hsa-miR-182-5p	MIMAT0000259	YP00206070	H04	SNORD49A (hsa)	N/A	YP00203904
D05	cel-miR-39-3p	MIMAT0000010	YP00203952	H05	hsa-miR-423-5p	MIMAT0004748	YP00205624
D06	hsa-miR-27a-3p	MIMAT0000084	YP00206038	H06	hsa-miR-7-5p	MIMAT0000252	YP00205877
D07	hsa-miR-186-5p	MIMAT0000456	YP00206053	H07	hsa-miR-9-5p	MIMAT0000441	YP00204513
D08	hsa-miR-18a-5p	MIMAT0000072	YP00204207	H08	hsa-let-7e-5p	MIMAT0000066	YP00205711
D09	hsa-miR-191-5p	MIMAT0000440	YP00204306	H09	hsa-miR-92b-3p	MIMAT0003218	YP00204384
D10	hsa-miR-192-5p	MIMAT0000222	YP00204099	H10	hsa-miR-93-5p	MIMAT0000093	YP00204715
D11	hsa-miR-148a-3p	MIMAT0000243	YP00205867	H11	hsa-miR-99a-5p	MIMAT0000097	YP00204521
D12	hsa-miR-194-5p	MIMAT0000460	YP00204080	H12	BlankSpot	N/A	YP02119291

Ordering Information

Product	Contents	Cat. no.
miRCURY LNA miRNA Focus PCR Panels	miRCURY LNA miRNA PCR Panels for application-based miRNome profiling, available in 96-well or 384-well format; for SYBR® Green-based detection	339325
miRCURY LNA miRNA miRNome PCR Panels	miRCURY LNA miRNA PCR Panels for PCR-based miRNome profiling, available in 384-well format; for SYBR® Green-based detection	339322
miRCURY LNA miRNA QC PCR Panel	miRCURY LNA miRNA PCR Panel of quality control assays, available in 96-well or 384-well format; for SYBR® Green-based detection	339331
miRCURY LNA miRNA Custom PCR Panels	8 identical, ready-to-use 96- or 384-well plates; each well contains primers sufficient for one 10 µl reaction; for SYBR® Green-based detection	339330
miRCURY LNA Custom PCR Panel Additional Plate	Additional miRCURY LNA Custom PCR Panel plates; set of 4 plates; only available in addition to the base plates ordered through the core product (cat. no. 339330)	339332
miRCURY LNA miRNA PCR Assays	Contains forward and reverse primers for 200 SYBR® Green-based, real-time qPCR reactions, 166 EvaGreen-based digital PCR reactions for Nanoplate 8.5k or 50 EvaGreen-based digital PCR reactions for Nanoplate 26k	339306
miRCURY LNA miRNA Probe PCR Assays	Complete premixed assays containing LNA-enhanced target-specific forward primer and probe. For 200 reactions.	339350
miRCURY LNA miRNA Custom Probe PCR Assays	Custom-designed, target-specific forward primer and probe for any user-defined miRNA target. Complete premixed assay for 200 reactions.	339351

Related Products

Product	Contents	Cat. no.
miRCURY LNA RT Kit	For 8–64 cDNA synthesis reactions: 5x RT SYBR Green Reaction Buffer, 5x RT Probe Reaction Buffer, 10x RT Enzyme Mix, UniSp6, RNA Spike-in template, RNase-Free Water	339340
RNA Spike-In Kit, For RT	Contains the UniSp2, UniSp4, and UniSp5 RNA Spike-in Template Mix and the cel-miR-39-3p RNA Spike-in Template	339390
miRCURY LNA SYBR® Green PCR Kits (200)	For 200 reactions: 2X miRCURY SYBR Green Master Mix, RNase-Free Water	339345
miRCURY LNA SYBR® Green PCR Kits (600)	For 600 reactions: 2X miRCURY SYBR Green Master Mix, RNase-Free Water	339346
miRCURY LNA SYBR® Green PCR Kits (4000)	For 4000 reactions: 2X miRCURY SYBR Green Master Mix, RNase-Free Water	339347
miRCURY LNA Probe PCR Kit (200)	For 200 reactions: 2X QuantiNova Probe Master Mix, 10X miRCURY Probe Univ. Primer, Rox Reference Dye, RNase-Free Water	339371
miRCURY LNA Probe PCR Kit (800)	For 800 reactions: 2X QuantiNova Probe Master Mix, 10X miRCURY Probe Univ. Primer, Rox Reference Dye, RNase-Free Water	339372
miRCURY LNA Probe PCR Kit (4000)	For 4000 reactions: 2X QuantiNova Probe Master Mix, 10X miRCURY Probe Univ. Primer, Rox Reference Dye, RNase-Free Water	339373
miRCURY LNA miRNA PCR Starter Kit	Two miRCURY LNA PCR Assays of your choice, spike-in control Assay (UniSp6), one candidate endogenous control assay (miR-103-3p) and all reagents for 20 reverse transcription reactions and 100 PCR amplifications; for SYBR® Green-based qPCR detection	339320

Important

The miRCURY LNA™ miRNA PCR Panels are Ready-to-Use and designed for optimal performance with the miRCURY LNA RT Kit and the miRCURY LNA SYBR® Green PCR Kit. The performance of the primer sets will be affected when used in combination with less than optimal reagents. Use the miRCURY LNA miRNA PCR Panel Handbook for experiment setup. RNA work requires specific handling and precautions should be taken to prevent RNase contamination and degradation of the RNA sample and reagents.

Shipping and storage

The Ready-to-Use miRCURY LNA miRNA PCR Panels are shipped at room temperature and can be stored at 4°C for at least 6 months. For long term storage, it is recommended to place the panels at -20°C. Under these conditions, the LNA PCR primers are stable for at least 6 months after receipt.

Intended use

miRCURY LNA miRNA PCR Assays are intended for molecular biology applications. This product is not intended for the diagnosis, prevention or treatment of a disease.

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.

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