

miRCURY LNA™ miRNA Focus PCR Panels

Dog miFinder V2 Product Data Sheet

Cat. no. 339325 YAFD-201Y

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	YAFD-201YA
C	Applied Biosystems models 7500 (Fast block), 7900HT (Fast block), StepOnePlus™, ViiA 7 (Fast block)	96-well	YAFD-201YC
D	Bio-Rad CFX96™; Bio-Rad/MJ Research models DNA Engine Opticon®, DNA Engine Opticon 2; Stratagene Mx4000®	96-well	YAFD-201YD
E	Applied Biosystems® models 7900HT (384-well block), ViiA™ 7 (384-well block); Bio-Rad CFX384™	384-well	YAFD-201YE
F	Roche® LightCycler® 480 (96-well block)	96-well	YAFD-201YF
G	Roche® LightCycler® 480 (384-well block)	384-well	YAFD-201YG

Description

The Dog miFinder V2 miRCURY LNA™ miRNA Focus PCR Panel profiles the expression of the 84 most abundantly expressed and best characterized miRNAs in miRBase (www.miRBase.org). 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. Therefore, although they are well-characterized, the complex role played by each miRNA is yet to be completely defined. 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 $\Delta\Delta CT$ method of relative quantification, assessment of reverse transcription performance, and assessment of PCR performance. Using SYBR Green-based real-time PCR, the expression of 84 highly researched miRNAs can be easily and reliably analyzed with this miRCURY LNA™ miRNA Focus PCR Panel.

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

Array Layout

	1	2	3	4	5	6	7	8	9	10	11	12
A	cfa-let-7a	cfa-let-7b	cfa-let-7c	cfa-let-7f	cfa-let-7g	cfa-mir-1	cfa-mir-101	cfa-mir-103	cfa-mir-106a	cfa-mir-106b	cfa-mir-10b	cfa-mir-122
B	cfa-mir-124	cfa-mir-125a	cfa-mir-125b	cfa-mir-126	cfa-mir-130a	cfa-mir-133a	cfa-mir-133b	cfa-mir-137	cfa-mir-141	cfa-mir-143	cfa-mir-145	cfa-mir-146a
C	cfa-mir-146b	cfa-mir-148a	cfa-mir-150	cfa-mir-15a	cfa-mir-15b	cfa-mir-16	cfa-mir-17	cfa-mir-181a	cfa-mir-181b	cfa-mir-182	cfa-mir-183	cfa-mir-184
D	cfa-mir-18a	cfa-mir-191	cfa-mir-192	cfa-mir-195	cfa-mir-196a	cfa-mir-19a	cfa-mir-200a	cfa-mir-200b	cfa-mir-200c	cfa-mir-203	cfa-mir-204	cfa-mir-205
E	cfa-mir-20a	cfa-mir-21	cfa-mir-210	cfa-mir-214	cfa-mir-218	cfa-mir-22	cfa-mir-222	cfa-mir-223	cfa-mir-224	cfa-mir-23a	cfa-mir-23b	cfa-mir-24
F	cfa-mir-25	cfa-mir-26a	cfa-mir-27a	cfa-mir-27b	cfa-mir-29b	cfa-mir-29c	cfa-mir-30b	cfa-mir-30c	cfa-mir-30d	cfa-mir-31	cfa-mir-335	cfa-mir-342
G	cfa-mir-34a	cfa-mir-34b	cfa-mir-34c	cfa-mir-375	cfa-mir-378	cfa-mir-451	cfa-mir-499	cfa-mir-7	cfa-mir-9	cfa-mir-92a	cfa-mir-93	cfa-mir-96
H	cel-mir-39-3p	cel-mir-39-3p	U6 snRNA [V2]	5S rRNA	RNU5G	RNU1A1	Unisp2	Unisp4	Unisp5	Unisp6	Unisp3	Unisp3

miRNA Table

Well	miRNA ID	Accession #	Assay Catalog #	Well	miRNA ID	Accession #	Assay Catalog #
A01	cfa-let-7a	MIMAT0000062	YP00205727	E01	cfa-miR-20a	MIMAT0000075	YP00204292
A02	cfa-let-7b	MIMAT0000063	YP00204750	E02	cfa-miR-21	MIMAT0000076	YP00204230
A03	cfa-let-7c	MIMAT0000064	YP00204767	E03	cfa-miR-210	MIMAT0009846	YP02119434
A04	cfa-let-7f	MIMAT0000067	YP00204359	E04	cfa-miR-214	MIMAT0000271	YP00204510
A05	cfa-let-7g	MIMAT0000414	YP00204565	E05	cfa-miR-218	MIMAT0000275	YP00206034
A06	cfa-miR-1	MIMAT0006656	YP02119135	E06	cfa-miR-22	MIMAT0000077	YP00204606
A07	cfa-miR-101	MIMAT0006600	YP00205955	E07	cfa-miR-222	MIMAT0000279	YP00204551
A08	cfa-miR-103	MIMAT0000101	YP00204063	E08	cfa-miR-223	MIMAT0000892	YP00205120
A09	cfa-miR-106a	MIMAT0006749	YP02107906	E09	cfa-miR-224	MIMAT0003119	YP00205514
A10	cfa-miR-106b	MIMAT0000680	YP00205884	E10	cfa-miR-23a	MIMAT0006640	YP00205956
A11	cfa-miR-10b	MIMAT0000783	YP00205499	E11	cfa-miR-23b	MIMAT0006612	YP00205959
A12	cfa-miR-122	MIMAT0000421	YP00205664	E12	cfa-miR-24	MIMAT0006614	YP02114589
B01	cfa-miR-124	MIMAT0000494	YP02103368	F01	cfa-miR-25	MIMAT0000081	YP00204361
B02	cfa-miR-125a	MIMAT0006609	YP02113289	F02	cfa-miR-26a	MIMAT0000082	YP00206023
B03	cfa-miR-125b	MIMAT0000423	YP00205713	F03	cfa-miR-27a	MIMAT0003532	YP00205971
B04	cfa-miR-126	MIMAT0000444	YP00206010	F04	cfa-miR-27b	MIMAT0000419	YP00205915
B05	cfa-miR-130a	MIMAT0000425	YP00204658	F05	cfa-miR-29b	MIMAT0000100	YP00204679
B06	cfa-miR-133a	MIMAT0000340	YP00205954	F06	cfa-miR-29c	MIMAT0000681	YP00204729
B07	cfa-miR-133b	MIMAT0000770	YP00206058	F07	cfa-miR-30b	MIMAT0000420	YP00204765
B08	cfa-miR-137	MIMAT0006702	YP02119468	F08	cfa-miR-30c	MIMAT0001137	YP00205948
B09	cfa-miR-141	MIMAT0009876	YP02110018	F09	cfa-miR-30d	MIMAT0006616	YP02118689
B10	cfa-miR-143	MIMAT0000435	YP00205992	F10	cfa-miR-31	MIMAT0006599	YP02119121
B11	cfa-miR-145	MIMAT0000437	YP00204483	F11	cfa-miR-335	MIMAT0000765	YP02119293
B12	cfa-miR-146a	MIMAT0000449	YP00204688	F12	cfa-miR-342	MIMAT0000753	YP00205625
C01	cfa-miR-146b	MIMAT0003475	YP02119752	G01	cfa-miR-34a	MIMAT0000255	YP00204486
C02	cfa-miR-148a	MIMAT0000243	YP00205867	G02	cfa-miR-34b	MIMAT0009838	YP02115618
C03	cfa-miR-150	MIMAT0000451	YP00204660	G03	cfa-miR-34c	MIMAT0000686	YP00205659
C04	cfa-miR-15a	MIMAT0006647	YP02103582	G04	cfa-miR-375	MIMAT0000728	YP00204362
C05	cfa-miR-15b	MIMAT0006676	YP00205964	G05	cfa-miR-378	MIMAT0000732	YP00205946
C06	cfa-miR-16	MIMAT0000069	YP00205702	G06	cfa-miR-451	MIMAT0001631	YP02119305
C07	cfa-miR-17	MIMAT0000071	YP00206008	G07	cfa-miR-499	MIMAT0002870	YP00205935
C08	cfa-miR-181a	MIMAT0006707	YP02117991	G08	cfa-miR-7	MIMAT0000677	YP02119694
C09	cfa-miR-181b	MIMAT0006708	YP02110378	G09	cfa-miR-9	MIMAT0000441	YP00204513
C10	cfa-miR-182	MIMAT0000259	YP00206070	G10	cfa-miR-92a	MIMAT0000092	YP00204258
C11	cfa-miR-183	MIMAT0000261	YP00206030	G11	cfa-miR-93	MIMAT0000093	YP00204715
C12	cfa-miR-184	MIMAT0000454	YP00204601	G12	cfa-miR-96	MIMAT0000095	YP00204417
D01	cfa-miR-18a	MIMAT0001113	YP02100185	H01	cel-miR-39-3p	MIMAT0000010	YP00203952
D02	cfa-miR-191	MIMAT0006638	YP00205972	H02	cel-miR-39-3p	MIMAT0000010	YP00203952
D03	cfa-miR-192	MIMAT0000222	YP00204099	H03	U6 snRNA (v2)	N/A	YP02119464
D04	cfa-miR-195	MIMAT0004335	YP00205969	H04	5S rRNA	N/A	YP00203906
D05	cfa-miR-196a	MIMAT0000226	YP00204386	H05	RNU5G	N/A	YP00203908
D06	cfa-miR-19a	MIMAT0000073	YP00205862	H06	RNU1A1	N/A	YP00203909
D07	cfa-miR-200a	MIMAT0001620	YP00206063	H07	UniSp2	N/A	YP00203950
D08	cfa-miR-200b	MIMAT0004571	YP00204144	H08	UniSp4	N/A	YP00203953
D09	cfa-miR-200c	MIMAT0000617	YP00204482	H09	UniSp5	N/A	YP00203955
D10	cfa-miR-203	MIMAT0000264	YP00205914	H10	UniSp6	N/A	YP00203954
D11	cfa-miR-204	MIMAT0000265	YP00206072	H11	UniSP3	N/A	YP02119288
D12	cfa-miR-205	MIMAT0000266	YP00204487	H12	UniSP3	N/A	YP02119288

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.

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.

Trademarks: QIAGEN®, Sample to Insight®, GeneGlobe®, LNA™ (QIAGEN Group), SYBR® (Life Technologies Corporation). Registered names, trademarks, etc. used in this document, even when not specifically marked as such, are not to be considered unprotected by law. 1107212 05/2017 HB-2376-001 © 2017 QIAGEN, all rights reserved.
