

# A unique LNA-enhanced qPCR system for miRNA profiling

Intro

Workflow

LNA Inside

Product formats

Sensitivity

Controls

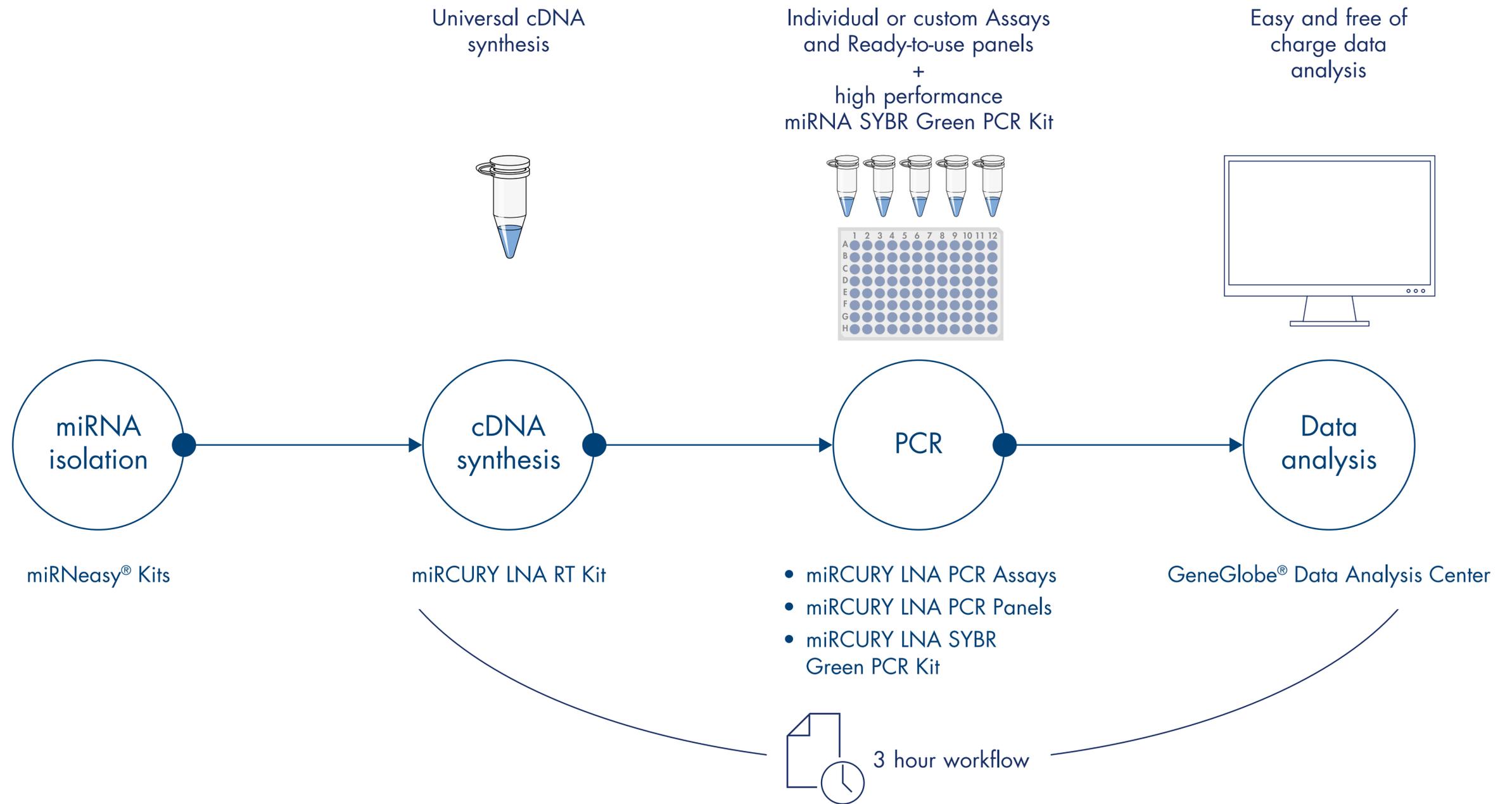
Custom products

Ordering Information



## miRCURY LNA<sup>®</sup> miRNA PCR System

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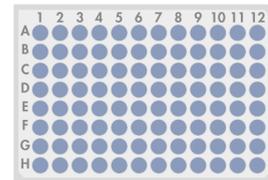


- Easy start with miRCURY LNA miRNA PCR Starter Kit
- Optional RNA Spike-in Kit for QC



# Scalable setup that fits any budget

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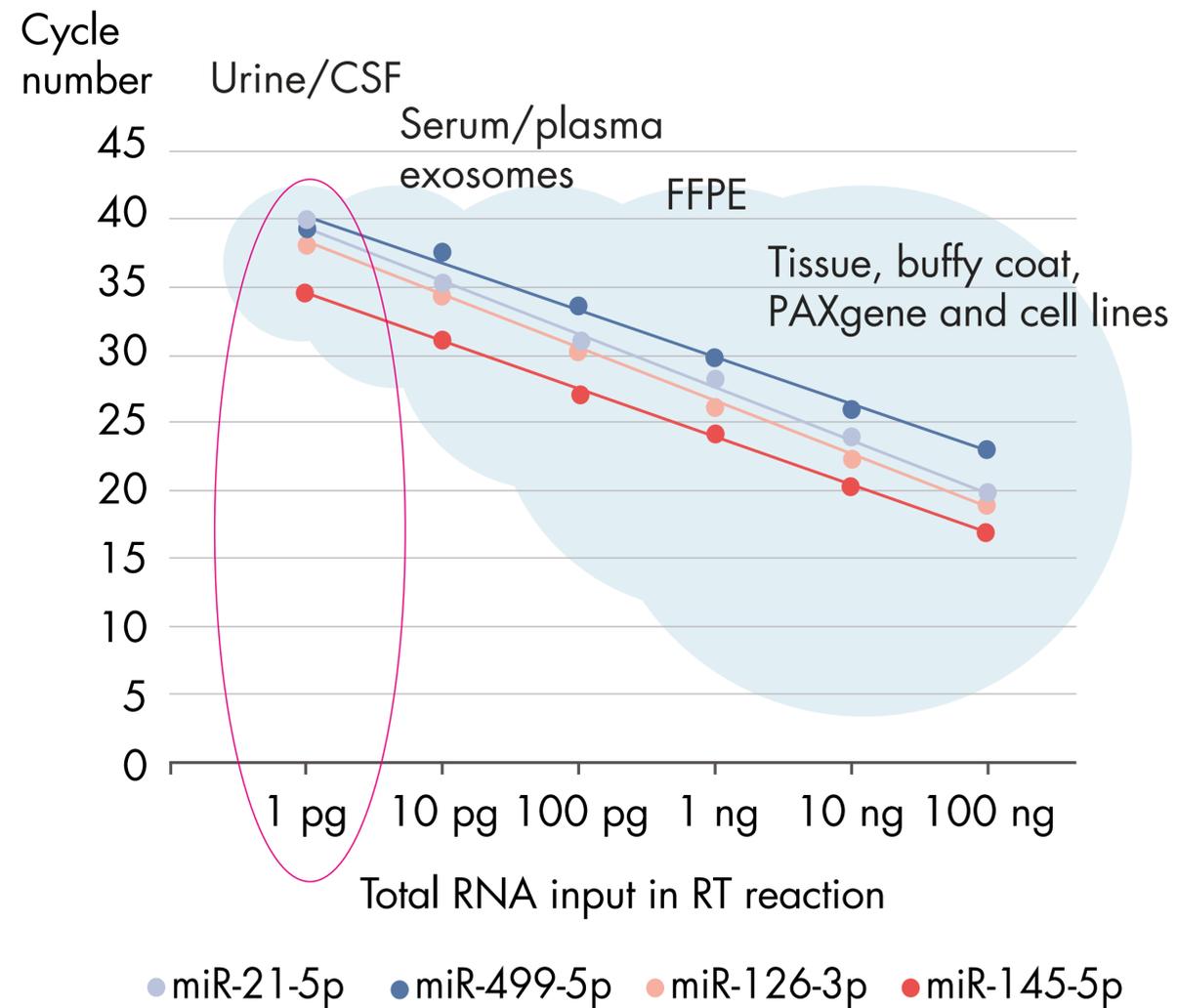


Product; complexity	Description and advantage
miRNome PCR panels	PCR Panel set for human or rodent comprising the important miRNA for profiling
Focus PCR panel	Predefined miRNA assay selection targeting miRNAs relevant for topics such as Serum/Plasma, Cancer, Exosomes, QC
Custom* PCR Panels	Custom defined ready-to-use PCR Panels; pick and mix your plate
Individual or custom PCR assays	Economical option for a small focused screen or quantification on a high number of samples
Starter Kit	Complete kit with two assays of choice. Optimal for testing and low number of samples

\* GeneGlobe Plate Designer available for easy plate design

- Extreme sensitivity due to LNA-enhanced and T<sub>m</sub> normalized primers
- Ideal for microRNA analysis from low-abundance samples like biofluids

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Serial dilutions of human AM6000 total RNA are shown. All miRNA assays exhibit linear readout with correlation coefficients R<sup>2</sup> > 0.99.

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## Controls

### Check RNA isolation efficiency

UniSp2, -4 and -5

1. Synthetic RNA targets
2. Templates in 3 concentrations (2 logs difference)
3. Add to lysis buffer

### Check RT and PCR efficiency

UniSp6, cel-miR-39-3p

1. Synthetic RNA target
2. Different concentrations
3. Add to RT reaction

### Check Amplification Dependent only on PCR

UniSP3

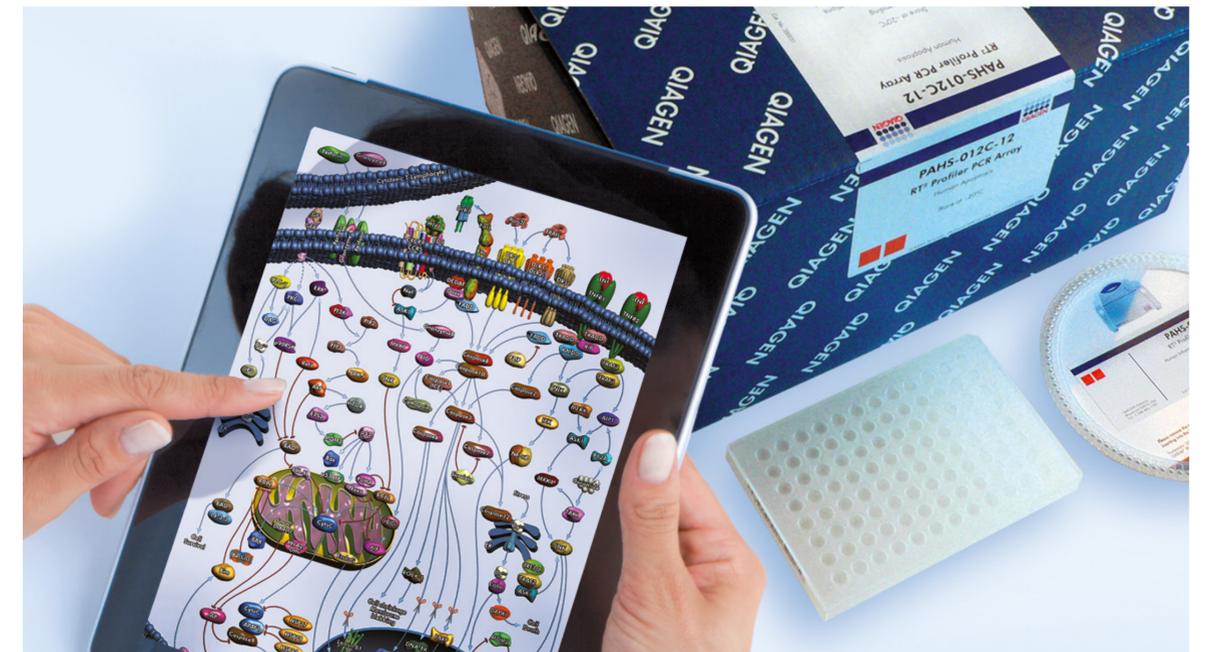
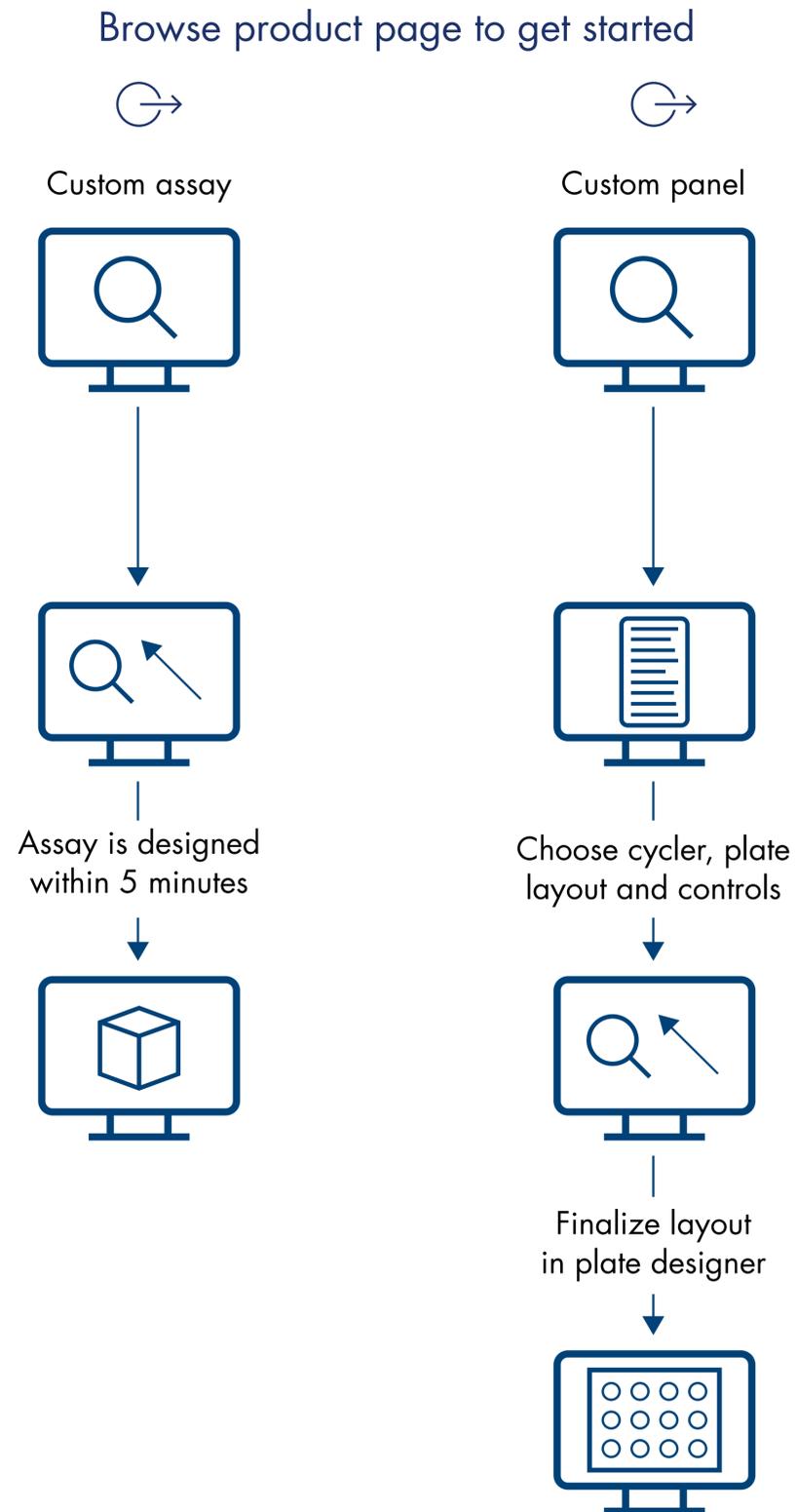
1. Synthetic DNA target
2. Inter-plate calibrator
3. Primers & Template are already available on the plate

—● Any predesigned miRCURY LNA miRNA PCR panel include all controls



How to analyze and interpret data, easy-to-understand in the RNA Spike-In Kit Handbook

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Visit the [GeneGlobe Custom Product Builder](#)

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	Product	Contents	Cat. no.
Intro	miRCURY LNA RT Kit	For 8–64 cDNA synthesis reactions: 5x RT Reaction Buffer, 10x RT Enzyme Mix, UniSp6, RNA Spike-in template, RNase-free water	339340
Workflow	RNA Spike-in Kit, for RT	UniSp2, UniSp4, UniSp5 RNA Spike-in template mix, cel-miR-39-3p RNA Spike-in template	339390
LNA Inside	miRCURY LNA SYBR Green PCR Kit (200, 600 or 4000)	For 200, 600 or 4000 PCR reactions: 2x miRCURY SYBR Green PCR Master Mix, miRCURY SYBR Green PCR Buffer and dNTP mix, ROX™ Reference Dye, Nuclease-free water	339345 339346 339347
	miRCURY LNA miRNA PCR Assay	LNA-optimized forward and reverse primers for miRNA quantification; for 200 reactions	339306*
Product formats	miRCURY LNA miRNA Custom PCR Assay	Custom-designed and LNA-optimized forward and reverse primers for miRNA quantification; for 200 reactions	339317*
Sensitivity	miRCURY LNA miRNA miRNome PCR Panels	Pre-made panels of human or mouse & rat LNA PCR Assays for miRNome profiling; 384-well format	339322*
	miRCURY LNA miRNA Focus PCR Panel	Pre-made panel of LNA PCR Assays focused on research area; 96-well or 384-well format	339325*
Controls	miRCURY LNA miRNA QC PCR Panel	Pre-made panel of LNA PCR Assays for QC analysis; 96-well or 384-well format	339331*
	miRCURY LNA miRNA Custom PCR Panel	Custom layout PCR plates of LNA-optimized PCR assays for miRNA quantification; 96-well or 384-well format	339330*
Custom products	miRCURY LNA miRNA PCR Starter kit	Two miRCURY LNA PCR Assays of your choice, spike-in control Assay (UniSp6), endogenous control assay (miR-103-3p) and all reagents for reverse transcription and PCR reactions.	339320

\* Exact product number varies according to particular primer sequence configuration.

Find out more about miRCURY LNA PCR kits at [www.qiagen.com/miRCURY](http://www.qiagen.com/miRCURY)

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.