

Product Sheet

Custom dPCR LNA[®] Assays designed by QIAGEN Genomic Services

Contents

Product group	Catalog number	Purification	Concentration/Volume	Quantity
Custom dPCR LNA Assay (Probe)	338300	HPLC	100 μ M (16 μ l)	4
Custom dPCR LNA Assay (2 primers)	338302	Standard desalt	100 μ M (32 μ l)	4

Description

Custom dPCR LNA Assays are composed of Custom dPCR LNA primers and Custom dPCR LNA probes as applicable. They are designed for being used in combination with the QIAcuity[®] Probe PCR Kit (cat. nos. 250101, 250102, 250103) or the QIAcuity[®] EG PCR Kit (cat. nos. 250111, 250112, 250113) on the QIAcuity digital PCR instrument, for multiplex or singleplex setups.

Format: This kit is intended for performing 100 or 1000 rxns using the QIAcuity Nanoplate 26k (cat. nos. 250001 and 250011).

Shipping and Storage

The Custom dPCR LNA Assays are shipped on dry ice or at room temperature. Upon receipt, store the assays at 2–8°C for short-term storage or at –30 to –15°C in a constant-temperature freezer for long-term storage. Repeated freeze-thaw cycles should be avoided by storing in aliquots. Under these conditions, the components are stable for 12 months without showing any reduction in performance and quality.

Quality Control

In accordance with QIAGEN's ISO-certified Quality Management System, each lot of the Custom dPCR LNA Assays are tested against predetermined specifications to ensure consistent product quality.

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.

Product details

Table 1. Custom probes

Catalog number	Format	Assay name*	ROI sequence*†	Probe label	Multiplex grouping	Lot number
CDP00-001-H100	100 rxns	1-BRAF-1798-1800	GAAAAATAGCCTCAATTCTTAC CATCCACAAAATGGATCCAG ACAACGTGTTCAAACGTATGGG ACCCACTCCATCGAGATTTC CTGTAGCTAGACCAAATCAC CTATTTTACTGTGAGGTCTCA T	HEX™	A	000001
CDP00-002-F100	100 rxns	1-BRAF-1798-G>A	GAAAAATAGCCTCAATTCTTAC CATCCACAAAATGGATCCAG ACAACGTGTTCAAACGTATGGG ACCCACTCCATCGAGATTTC TGTAGCTAGACCAAATCACC TATTTTACTGTGAGGTCTTCAT	FAM™	A	000001
CDP00-003-T100	100 rxns	1-BRAF-1799-T>G	GAAAAATAGCCTCAATTCTTAC CATCCACAAAATGGATCCAG ACAACGTGTTCAAACGTATGGG ACCCACTCCATCGAGATTTC _g CTGTAGCTAGACCAAATCAC CTATTTTACTGTGAGGTCTCA T	TAM	A	000001
CDP00-004-R100	100 rxns	1-BRAF-1799-1800-delins_AA	GAAAAATAGCCTCAATTCTTAC CATCCACAAAATGGATCCAG ACAACGTGTTCAAACGTATGGG ACCCACTCCATCGAGATTTC _{hT} GTAGCTAGACCAAATCACCT ATTTTACTGTGAGGTCTTCAT	ROX™	A	000001

* Assay name: 1-xxxx-####-####: prefix 1 = first design, prefix 2 = second design.

† ROI sequence: region of interest sequence

Table 2. Custom primers

Catalog number	Format	Assay name	Multiplex grouping	Lot number
CDR00001	100 rxns	1_BRAF_1798-1800	A	000001

Table 3. Recommended restriction enzymes (optional)

Assay name	EcoRI- GAATC	PvuII- CAGCTG	XbaI- TCTAGA	Alu- AGCT	CviQI- GTAC	HaeIII- GGCC
1BRAF-1798-1800	Yes	Yes	Yes	Yes	No	Yes
1-BRAF-1798-G>A	Yes	Yes	Yes	Yes	Yes	Yes
1-BRAF-1799-T>G	Yes	Yes	Yes	No	Yes	Yes
1-BRAF-1799-1800-delins-AA	Yes	Yes	Yes	No	Yes	Yes

Note: Restriction digestion is not required for highly fragmented DNA (e.g., FFPE DNA or circulating DNA), cfDNA or genomes < 20 kb.

Important note

Make sure to refer to the *Custom dPCR LNA Assays Quick-Start Protocol* (www.qiagen.com/HB-2937) for setting up the experiment as it is specific to your custom assay.

Ordering Information

Product	Contents	Cat. no.
Related products		
QIAcuity One, 2plex Device*	One-plate digital PCR instrument for detecting up to 2 fluorescent dyes, roller, USB flash memory and QIAcuity Software Suite: includes 1 preventive maintenance visit. 1 year warranty on labor, travel, and parts also included.	911001
QIAcuity One, 5plex Device*	One-plate digital PCR instrument for detecting up to 5 fluorescent dyes, roller, USB flash memory and QIAcuity Software Suite: includes 1 preventive maintenance visit. 1 year warranty on labor, travel, and parts also included.	911021
QIAcuity Four Platform System*†	Four-plate digital PCR instrument for detecting up to 5 fluorescent dyes, notebook computer, barcode scanner, roller, USB flash memory and QIAcuity Software Suite: includes installation,	911042

Product	Contents	Cat. no.
	training, and 1 preventive maintenance visit. 1 year warranty on labor, travel, and parts.	
QIAcuity Eight Platform System*†	Eight-plate digital PCR instrument for detecting up to 5 fluorescent dyes, notebook computer, barcode scanner, nanoplate roller, USB flash memory and QIAcuity Software Suite: includes installation, training, and 1 preventive maintenance visit. 1 year warranty on labor, travel, and parts.	911052
QIAcuity Probe PCR Kit (1 ml)	1 ml 4x concentrated QIAcuity Probe Mastermix, 2 x 1.9 ml Water	250101
QIAcuity Probe PCR Kit (5 ml)	5 x 1 ml 4x concentrated QIAcuity Probe Mastermix, 8 x 1.9 ml Water	250102
QIAcuity Probe PCR Kit (25 ml)	5 x 5 ml 4x concentrated QIAcuity Probe Mastermix, 4 x 20 ml Water	250103
QIAcuity® EG PCR Kit (1ml)	1 ml 3x concentrated EvaGreen PCR Mastermix	250111
QIAcuity® EG PCR Kit (5 ml)	5 ml 3x concentrated EvaGreen PCR Mastermix	250112
QIAcuity® EG PCR Kit (25ml)	25 ml 3x concentrated EvaGreen PCR Mastermix	250113
QIAcuity Nanoplate 26k 24-well (10)	10 QIAcuity Nanoplate 26k 24-well, 11 Nanoplate Seals	250001
QIAcuity Nanoplate 8.5k 24-well (10)	10 QIAcuity Nanoplate 8.5k 24-well, 11 Nanoplate Seals	250011

* Additional instrument and Service bundles are available.

† For all systems, Installation and Training is included but are additionally available as separate service offerings. For specific catalog numbers and additional information, visit www.qiagen.com or contact your local sales representative.

dPCR LNA Assays are intended for molecular biology applications. This product is not intended for the diagnosis, prevention, or treatment of a disease. All due care and attention should be exercised in the handling of the products. We recommend all users of QIAGEN products to adhere to the NIH guidelines that have been developed for recombinant DNA experiments, or to other applicable guidelines.

Document Revision History

Date	Changes
11/2021	Initial revision

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