



February 2024

## Product Sheet

# Custom dPCR CNV Probe Assays

## Description

Custom dPCR CNV Probe Assays are designed for the quantification of customer-defined regions in the human, mouse, or rat genome using the QIAcuity® PCR kits compatible with hydrolysis probes and the QIAcuity digital PCR instrument. Assay performance will be affected if used in combination with suboptimal reagents.

<b>Product No.</b>	<b>250214</b>
<b>Product Group</b>	Custom dPCR CNV Probe Assay
<b>Product Name</b>	Named-by-customer (Max. 30 letters)
<b>Catalog No. / GGID *</b>	CCP00001-F250
<b>Species</b>	Variable either human, mouse, or rat
<b>Fluorophore</b>	Variable e.g., FAM
<b>Amplicon Length</b>	Variable e.g. , 120 nt
<b>Amplicon Region</b>	Variable e.g. "Cosmic Database version" ACTCGTACGACGATGACGATGACGATGACACTGCT TGATGAGAAAAY?CGTGCGGAGGTAGATGCCCTGT AGACCATAA
<b>Compatible Restriction Enzymes for this Assay</b>	Variable e.g., CviQ1, Mlu, AluI
<b>Recommended Reference Assay (if selected during assay design definition)</b>	Variable e.g., DCA0000023-FM
<b>Lot Number</b>	See vial.
<b>Expiration Date</b>	See vial.
<b>Contents</b>	1 tube containing pre-mixed primers and probe for a specific target [250 or 600] x 12 µl reactions

\* **NB:** The specific catalog no. (GeneGlobe® ID). identifies the exact design of the Custom dPCR CNV Probe Assay. It must be used for reordering, and we strongly recommend that it is mentioned in the method section of scientific publications. This will allow fellow scientists to order the exact same dPCR CNV Probe Assay and reproduce the reported results.

## Shipping and Storage

Custom dPCR CNV Probe Assays are shipped lyophilized at ambient temperature. Upon receipt, the lyophilized CNV Assay should be stored protected from light between 2°C and 8°C for short term storage and between -30°C and -15°C in a constant-temperature freezer for long term storage. After re-suspension, it is recommended to store the CNV Assay at -30°C

to  $-15^{\circ}\text{C}$ . Repeated freeze-thaw cycles should be avoided by storing in aliquots. Under these conditions, the CNV Assay is stable until the expiry date listed on the vial.

## Important

Use the following references for setting up the experiment:

- *dPCR CNV Probe Assays Quick-Start Protocol*: [www.qiagen.com/HB-3060](http://www.qiagen.com/HB-3060)
- *QIAcuity Application Guide*: [www.qiagen.com/HB-2839](http://www.qiagen.com/HB-2839)
- *QIAcuity User Manual*: [www.qiagen.com/HB-2717](http://www.qiagen.com/HB-2717)

## Notes before starting

If using for the first time, the Custom dPCR CNV Probe Assay must be reconstituted by doing the following:

- Resuspend the Custom dPCR CNV Probe Assay by adding XXX  $\mu\text{L}$  of Nuclease-free Water to each vial. Thoroughly mix by vortexing. Briefly centrifuge tube to settle the liquids.
- It is recommended to store the re-suspended Custom dPCR CNV Probe Assay in aliquots to avoid repeated freeze-thaw cycles. Store the CNV Assay protected from light.
- Pipetting accuracy and precision affect the consistency of results. Make sure that no bubbles are introduced into the wells of the QIAcuity Nanoplate while pipetting.

## Intended Use

dPCR CNV Probe Assays are intended for molecular biology applications. These products are 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](http://www.qiagen.com/safety), where you can find, view, and print the SDS for each QIAGEN® kit and kit component.

## Document Revision History

Date	Changes
01/2024	Initial release.
02/2024	Added mouse and rat variables to species, and fluorophore under product group.

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