

TaqMan® Copy Number Assays, Custom Plus TaqMan® Copy Number Assays, and Custom TaqMan® Copy Number Assays

Insert PN 4401779 Rev. D

For research use only. Not intended for human or animal therapeutic or diagnostic use.

Overview

Pre-designed, Custom Plus, and Custom TaqMan® Copy Number Assays detect and measure copy number variation in the human or mouse genome.

Part number	Part	Volume	Concentration	Storage conditions
TaqMan® Copy Number Assay				
4400291	- Two unlabeled PCR primers - TaqMan® MGB probe (FAM™ dye-labeled)	360 µL	20X	Store at – 15 °C to – 25 °C. Protect from light. Minimize freeze-thaw cycles.
4400292		750 µL		
4400293		967 µL	60X	
Custom Plus TaqMan® Copy Number Assay				
4442487	- Two unlabeled PCR primers - TaqMan® MGB probe (FAM™ dye-labeled)	360 µL	20X	Store at – 15 °C to – 25 °C. Protect from light. Minimize freeze-thaw cycles.
4442520		750 µL		
4442488		967 µL	60X	
Custom TaqMan® Copy Number Assay				
4400294	- Two unlabeled PCR primers - TaqMan® MGB probe (FAM™ dye-labeled)	360 µL	20X	Store at – 15 °C to – 25 °C. Protect from light. Minimize freeze-thaw cycles.
4400295		750 µL		
4400296		967 µL	60X	

Note: For safety and biohazard guidelines, refer to the “Safety” section in the *TaqMan® Copy Number Assays Protocol* (PN 4397425). For all chemicals, read the Safety Data Sheet (SDS) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves.

Procedure

Refer to the *TaqMan® Copy Number Assays Protocol* (PN 4397425) and the *CopyCaller™ Software User Guide* (PN 4400042) for detailed information on the experimental procedure.

Run TaqMan® Copy Number Assays simultaneously with a TaqMan® Copy Number Reference Assay in a duplex real-time polymerase chain reaction. Analyze data using the method of relative quantitation. The copy number assay detects the target human or mouse gene, genomic sequence, or selection marker/reporter of interest, and the reference assay detects a sequence that is known to be present in two copies in a diploid human or mouse.

In a copy number quantitation reaction, purified genomic DNA is combined with:

- The TaqMan Copy Number Assay, which contains two primers and a FAM™ dye-labeled MGB probe to detect the genomic human or mouse DNA target sequence.
- The TaqMan Copy Number Reference Assay, which contains two primers and a VIC® dye-labeled TAMRA™ probe to detect the genomic human or mouse DNA reference sequence. Reference assays are species-specific:

Human	RNase P	750 reactions	PN 4403326
		3,000 reactions	PN 4403328
	TERT	750 reactions	PN 4403316
		3,000 reactions	PN 4403315
Mouse	Tfrc	750 reactions	PN 4458366
		3,000 reactions	PN 4458367
	Tert	750 reactions	PN 4458368
		3,000 reactions	PN 4458369

- TaqMan® Genotyping Master Mix (1-pack: PN 4371355; 2-pack: PN 4381656) containing AmpliTaq Gold® DNA Polymerase, UP (Ultra Pure) and dNTPs required for the PCR reactions.

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NOTICE TO PURCHASER: PLEASE REFER TO THE TAQMAN® COPY NUMBER ASSAYS PRODUCT INSERT AND PROTOCOL FOR LIMITED LABEL LICENSE OR DISCLAIMER INFORMATION.

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VENDOR INFORMATION, PRODUCT INSERT FULL SHEET

GUIDELINES AND FOLDING INSTRUCTIONS

Specification (Full-Page Product Insert, 2-Sheet Maximum)

- Material: 50# Offset (White)
- Dimensions
 - Full Sheet: 8.5" × 11"
 - Folded size: 1.833" × 2.125"±0.125"

Procedure

1. Fold product inserts according to the figure shown below.
When folding the inserts:
 - Fold the product inserts so the upper-left corner of page 1 faces out, displaying title and part number.
 - Fold two-sheet product inserts so that pages 2 and 3 face each other.
2. Bundle the folded product inserts into groups of 10 inserts.
3. Shrink-wrap the bundled product inserts into groups of 10 bundles, so that each shrink-wrapped group contains a total of 100 inserts.

4. Label the shrink-wrapped bundles with the following information in a font large enough to be legible from a distance of 8 ft:
 - Part number and revision
 - Quantity
 - Manufacturer
 - Barcode part #128C
5. Seal the shrink-wrapped bundles in an appropriately-sized, corrugated shipper. The shipper cannot contain more than 25 bundles each, or have outside dimensions greater than 12" × 13.5" × 24".
6. On at least one end panel (12" × 13.5" side), label the shipper with the following information (must be legible from a distance of 8 ft):
 - Part number and revision
 - Description
 - Purchase order number
 - Quantity
 - Manufacturing date
 - Manufacturer
 - Country of origin
 - Barcode part #128C

NOTICE TO PRINTER

Do not print this page. Print only page(s) prior to this page.

This page contains folding instructions for the associated product insert. It is not part of the product insert.

