

Data Sheet

dPCR CGT Assay

dPCR CGT assays	CMV promoter (FAM, HEX, Cy5)
Assay catalog numbers	250247, 250248, 250249
dPCR instrument	QIAcuity Digital PCR System
dPCR master mix	QIAcuity Probe PCR Kit
Probe fluorophores and quencher	FAM, HEX: ZEN/Iowa Black Cy5: TAO/Iowa Black
Amplicon length	128 bp
Restriction enzyme compatibility	<i>MspI</i> , <i>HpaII</i> , <i>SmaI</i> , <i>HaeIII</i>

Description

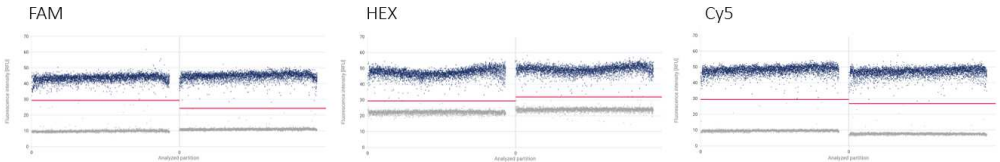
The CMV promoter assay is a wet-lab validated, 20x assay targeting the cytomegalovirus (CMV) promoter sequence.

Synthetic DNA sequence for positive controls

GCCCAGTACATGACCTTATGGGACTTTCCTACTTGGCAGTACATCTACGTATTAGTCATCG
CTATTACCATGGTGATGCGGTTTTGGCAGTACATCAATGGGCGTGGATAGCGGTTTGACT
CACGGGGATTCCAAGTCTCCACCCCATGACGTCAATGGGAGTTTGTTTGGCACC

Sample data

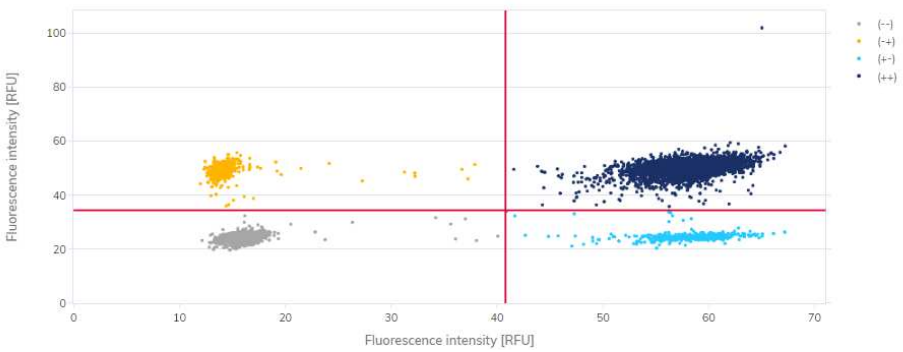
1D scatter plot: Single-well data of CMV assays (Green, Yellow and Crimson channel) on lysed adeno-associated virus (AAV) sample.



2D scatter plot: Single-well data of (A) CMV promoter assay (Yellow channel, X-axis) and SV40 poly A assay (Crimson channel, Y-axis) or (B) CMV promoter assay (Green channel, X-axis) and ITR assay (Yellow channel, Y-axis) or (C) CMV promoter assay (Crimson channel, Y-axis) and CMV enhancer assay (Yellow Channel, X-axis) with AAV2 DNA input.

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B**C**

Document Revision History

Date	Changes
06/2022	Initial release

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