

Data Sheet

dPCR CGT Assay

dPCR CGT assays	CMV enhancer (FAM, HEX, Cy5)
Assay catalog numbers	250252, 250253, 250254
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	132 bp
Restriction enzyme compatibility	<i>MspI</i> , <i>HpaII</i> , <i>SmaI</i>

Description

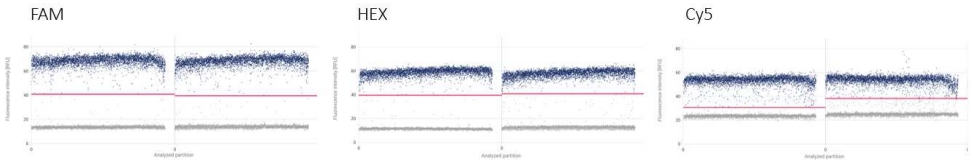
The CMV enhancer assay is a wet-lab validated, 20x assay targeting the cytomegalovirus (CMV) enhancer sequence.

Synthetic DNA sequence for positive controls

ACGCCAATAGGGACTTCCATTGACGTCAATGGGTGGAGTATTACGGTAAACTGCCCA
 CTTGGCAGTACATCAAGTGTATCATATGCCAAGTACGCCCCCTATTGACGTCAATGACG
 GTAAATGGCCCGCCTGGCATTATGCCCAGTACATGACCTTATGGGACTTTCCTACTTGGC
 AGTA

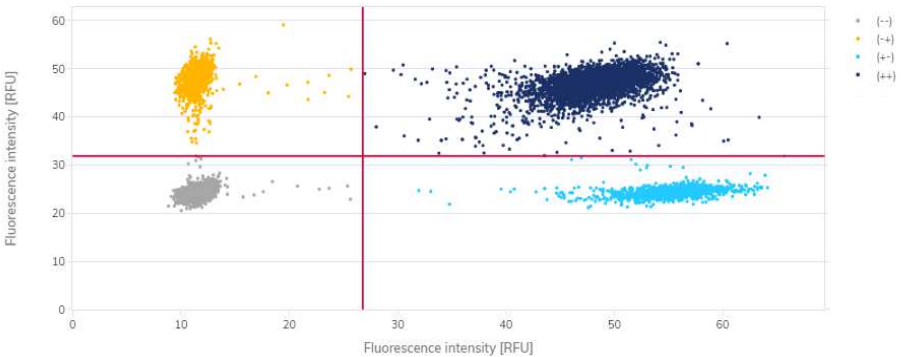
Sample data

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

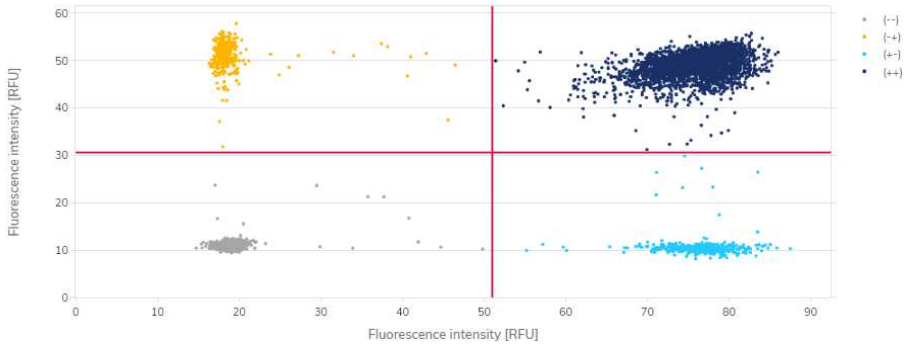


2D scatter plot: Single-well data of (A) CMV enhancer assay (Yellow channel, X-axis) and SV40 promoter assay (Crimson channel, Y-axis) or (B) CMV enhancer assay (Green channel, X-axis) and CMV promoter assay (Yellow channel, Y-axis) or (C) CMV enhancer assay (Crimson channel, Y-axis) and CMV promoter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

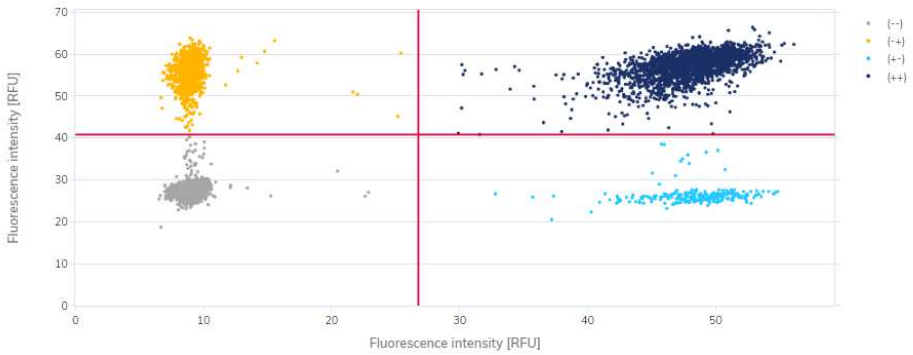
A



B



C



Document Revision History

Date	Changes
06/2022	Initial release

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