



May 2025

Validation Data Sheet

dPCR CGT Assay

dPCR CGT assays	GFP (FAM, HEX, Cy5)
Assay catalog numbers	250236, 250237, 250238
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	60 bp
Restriction enzyme compatibility	<i>MspI</i> , <i>HpaII</i> , <i>SmaI</i> , <i>HaeIII</i>

Description

The GFP assay is a wet-lab validated, 20x assay targeting the green fluorescent protein sequence.

Synthetic DNA sequence for positive controls

CTACCTGAGCACCCAGTCCGCCCTGAGCAAAGACCCCAACGAGAAGCGCGATCACATGGT
CCTGCTGGAGTTCGTGACCGCCGCCGGGATCACTCTCGGC

Sample data

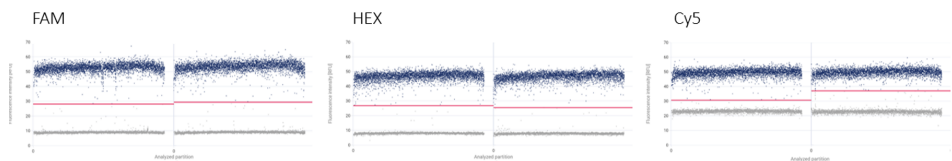
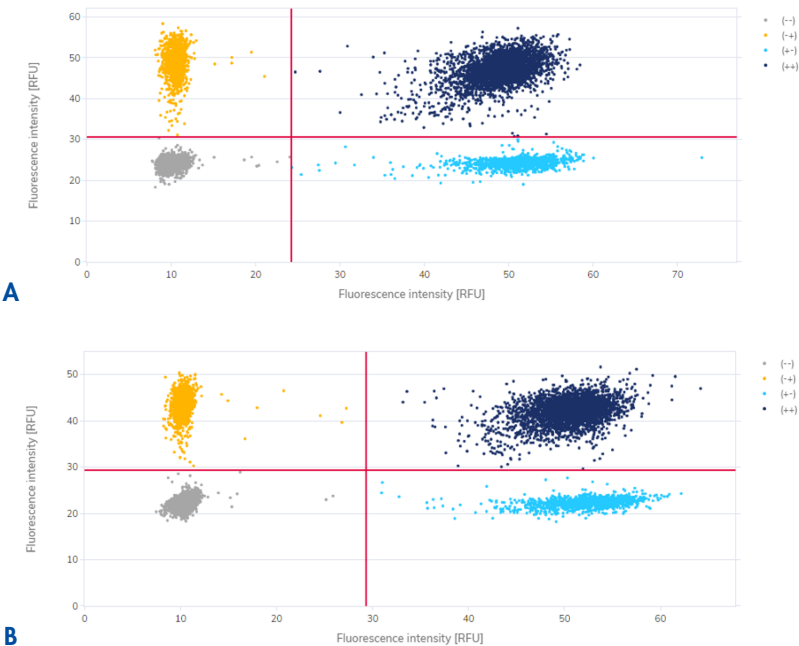


Figure 1. 1D scatter plot. Single-well data of GFP assays (Green, Yellow, and Crimson channel) on lysed adeno-associated virus (AAV) sample.





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

Document Revision History

Date	Description
06/2022	Initial release
05/2025	Updated description for the 1D scatter plot.

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