

Data Sheet

dPCR CGT Assay

dPCR CGT Assays	SV40 promoter (FAM, HEX, Cy5)
Assay Catalog Numbers	250242, 250243, 250244
dPCR Instrument	QIAcuity digital PCR instrument
dPCR Master Mix	QIAcuity Probe PCR Kit
Probe Fluorophores & Quencher	FAM, HEX: ZEN/Iowa Black Cy5: TAO/Iowa Black
Amplicon Length	77 bp
Restriction enzyme compatibility	MspI, HpaII, SmaI, HaeIII

Description

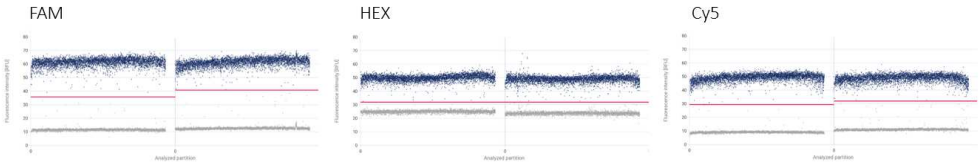
The SV40 promoter assay is a wet-lab validated, 20x assay targeting the simian virus 40 promoter sequence.

Synthetic DNA Sequence for positive controls

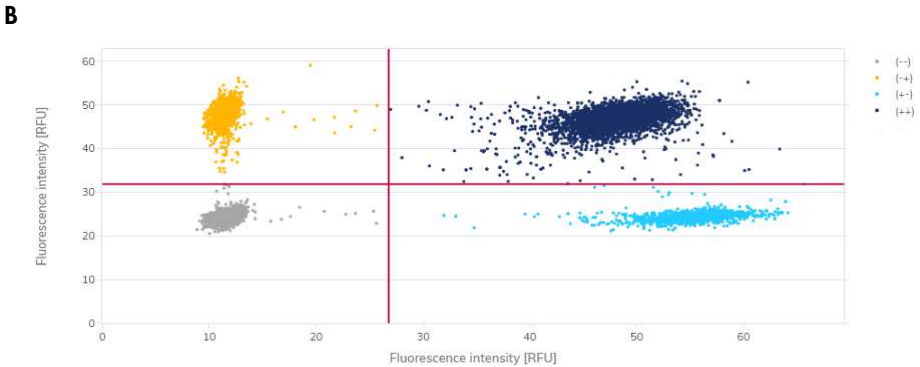
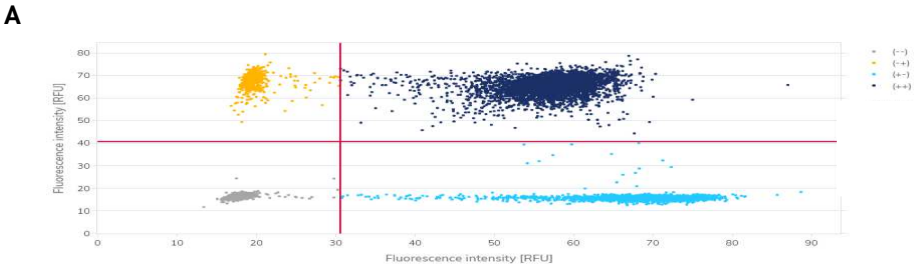
GCCCATCACTTTGGCAAAGAATTGGGATTCGCGAGAATTCTTTGGGCAACAAACAGTGT
AGCCAAGCAACTCCAGCCATCCATTCTTCTATGTCAGCAGAGCCTGTAGAACCAAACAA
TAT

Sample data

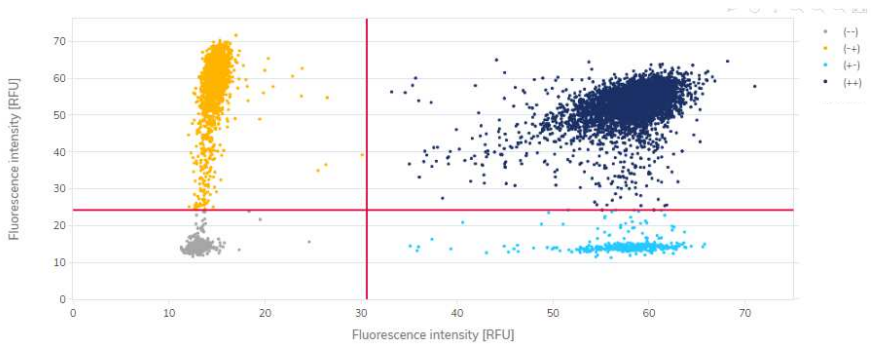
1D Scatter Plot: Single-well data of SV40 promoter assays (Green, Yellow and Crimson channel) on lysed adeno-associated (AAV) sample.



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



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Document Revision History

Date	Changes
06/2022	Initial release

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