

Data Sheet

dPCR CGT Assay

dPCR CGT assays	SV40 poly A (FAM, HEX)
Assay catalog numbers	250245, 250246
dPCR instrument	QIAcuity Digital PCR System
dPCR master mix	QIAcuity Probe PCR Kit
Probe fluorophores and quencher	FAM, HEX: ZEN/Iowa Black
Amplicon length	95 bp
Restriction enzyme compatibility	<i>MspI</i> , <i>HpaII</i> , <i>SmaI</i> , <i>HaeIII</i>

Description

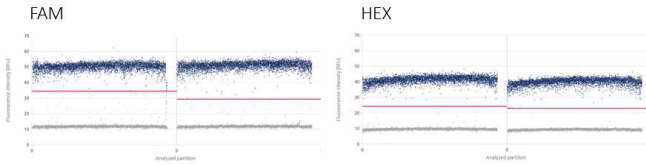
The SV40 poly A assay is a wet-lab validated, 20x assay targeting the simian virus polyadenylation signal sequence.

Synthetic DNA sequence for positive controls

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TGTACAAGTGAGCGGCCGCGGGGATCCAGACATGATAAGATACATTGATGAGTTTGGACAAACCACAAC TAGAATGCAGTGAAAAAATGCTTTATTTGTGAAATTTGTGATGCTATTGCTTTATTTGTAACCATTATAAGCTGCA
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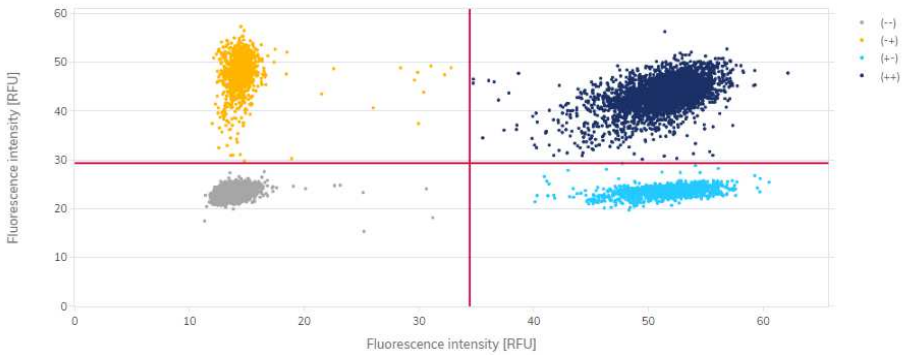
Sample data

1D scatter plot: Single-well data of SV40 poly A assays (Green and Yellow channel) on lysed adeno-associated virus (AAV) sample.

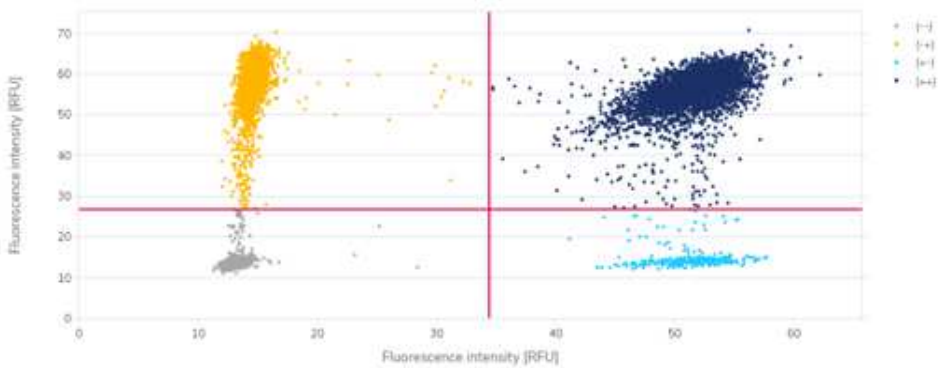


2D scatter plot: Single-well data of (A) SV40 poly A assay (Green channel, X-axis) and CMV promoter assay (Crimson channel, Y-axis) and (B) SV40 poly A (Yellow channel, Y-axis) and ITR assay (Green channel, X-axis) with AAV2 DNA input.

A



B



Document Revision History

Date	Changes
06/2022	Initial release

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