

Data Sheet

dPCR CGT Assay

dPCR CGT assays	ITR2/5 (FAM, HEX, Cy5)
Assay catalog numbers	250230, 250231, 250232
dPCR instrument	QIAcuity digital PCR instrument
dPCR master mix	QIAcuity Probe PCR Kit
Probe fluorophores and quencher	FAM, HEX: ZEN/Iowa Black Cy5: TAO/Iowa Black
Amplicon length	62 bp
Restriction enzyme compatibility	<i>MspI</i> , <i>HpaII</i> , <i>SmaI</i>

Description

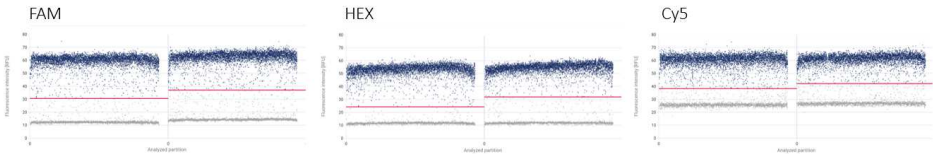
The ITR2/5 assay is a wet-lab validated, 20x assay targeting the ITR sequences of adeno-associated virus (AAV) particles.

Synthetic DNA sequence for positive controls

GCCCGACGCCCGGGCTTTGCCCGGGCGGCCTCAGTGAGCGAGCGAGCGCGCAGA
GAGGGAGTGGCCAACTCCATCACTAGGGGTTCTAGATCTGAATTCGGTACCCTAGTT

Sample data

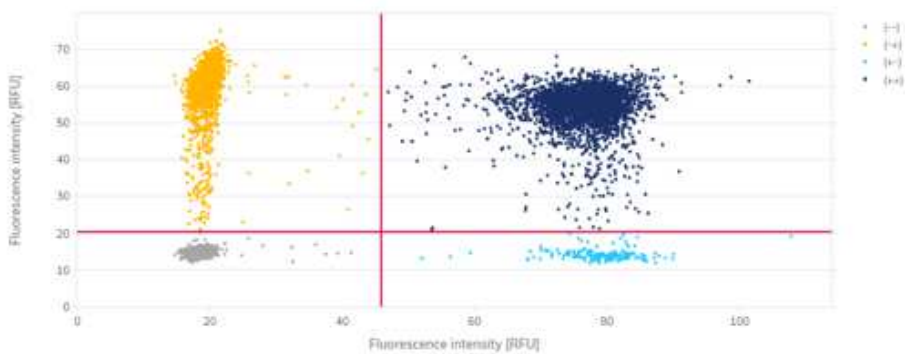
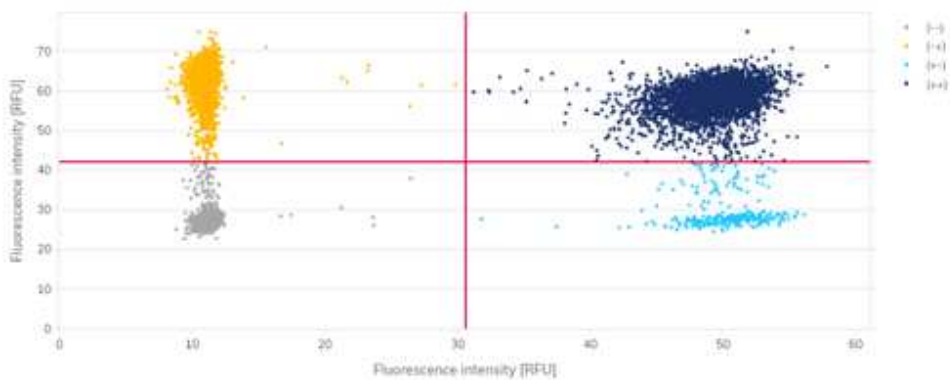
1D scatter plot: Single-well data of ITR assays (Green, Yellow and Crimson channel) on lysed adeno-associated virus sample.



2D scatter plot: Single-well data of (A) ITR2/5 assay (Green channel, X-axis) and CMV promoter assay (Crimson channel, Y-axis) or (B) ITR2/5 assay (Yellow channel, Y-axis) and CMV enhancer assay (Green channel, X-axis) or (C) ITR2/5 assay (Crimson channel, Y-axis) and CMV promoter assay (Yellow channel, X-axis) with AAV2 DNA input.

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Document Revision History

Date	Changes
06/2022	Initial release

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