

## Data Sheet

## dPCR CGT Assay

dPCR CGT assays	hGH poly A (FAM, HEX)
Assay catalog numbers	250250, 250251
dPCR instrument	QIAcuity Digital PCR System
dPCR master mix	QIAcuity Probe PCR Kit
Probe fluorophores and quencher	FAM, HEX: ZEN/Iowa Black
Amplicon length	156 bp
Restriction enzyme compatibility	<i>MspI</i> , <i>HpaII</i> , <i>SmaII</i>

## Description

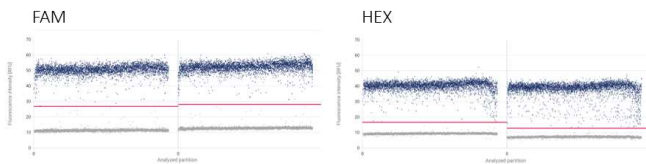
The hGH poly A assay is a wet-lab validated, 20x assay targeting the human growth hormone polyadenylation signal sequence.

## Synthetic DNA sequence for positive controls

```
TTGTCTGACTAGGTGTCCTTCTATAATATTATGGGGTGGAGGGGGGTGGTATGGAGCAA
GGGGCAAGTTGGGAAGACAACCTGTAGGGCCTGCGGGGTCTATTGGGAACCAAGCT
GGAGTGCAGTGGCACAATCTGGCTCACTGCAATCTCCGCCTCCTGGGTTCAAGCGATT
CTCCTGCCTCAGCCTCCCGAGTTGTTGGGATT
```

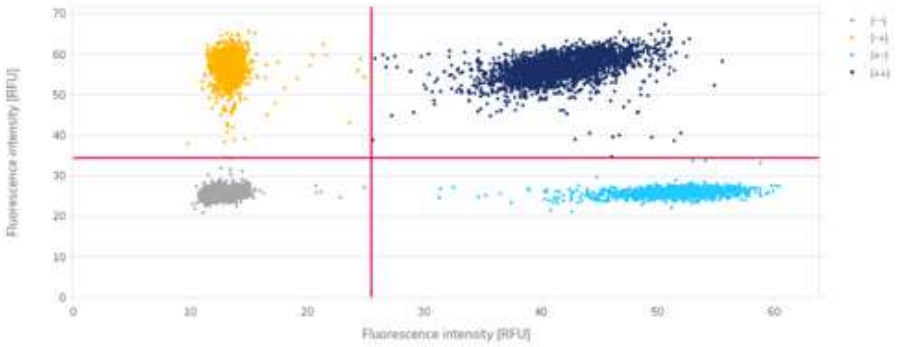
## Sample data

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

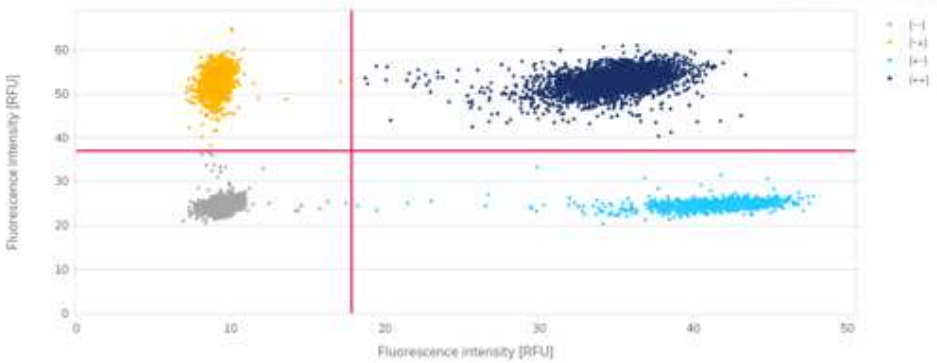


**2D scatter plot:** Single-well data of (A) hGH poly A assay (Green channel, X-axis) and CMV enhancer assay (Crimson channel, Y-axis) or (B) hGH poly A assay (Yellow channel, X-axis) and CMV enhancer assay (Crimson channel, Y-axis) with AAV2 DNA input.

**A**



**B**



## Document Revision History

Date	Changes
06/2022	Initial release

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