

Validation Data Sheet

dPCR CGT Assay

dPCR CGT assays	Puro [®] (FAM, HEX)
Assay catalog numbers	250309, 250310
dPCR instrument	QIAcuity Digital PCR System
dPCR master mix	QIAcuity MasterMix
Probe fluorophores and quencher	FAM, HEX: ZEN/Iowa Black
Amplicon length	140 bp
Restriction enzyme compatibility	<i>EcoRI</i> , <i>HpaI</i> , <i>PvuI</i> , <i>SmaI</i> , <i>XbaI</i> , <i>XhoI</i>

Description

The Puro[®] assay is a wet-lab validated, 20x assay targeting a gene sequence that confers resistance to puromycin.

Synthetic DNA sequence for positive controls

```
GACCGCCACATCGAGCGGGTCACCGAGCTGCAAGAACTCTTCCTCACGCGCGTCGGGCTC
GACATCGGCAAGGTGTGGGTCGCGGACGACGGCGCCGCGGTGGCGGTCTGGACCACGCCG
GAGAGCGTCGAAGCGGGGGCGGTGTTGCGCGAGATCGGCCCGCGCATGGCCGAGTTGAGC
GGT
```

Sample data

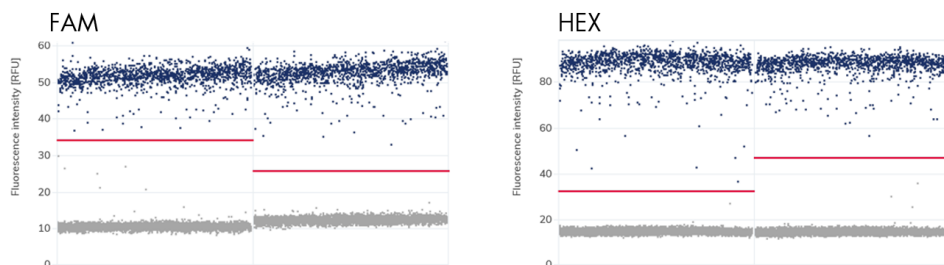


Figure 1. 1D scatter plot. Single-well data of Puro^R assays (Green and Yellow channel).

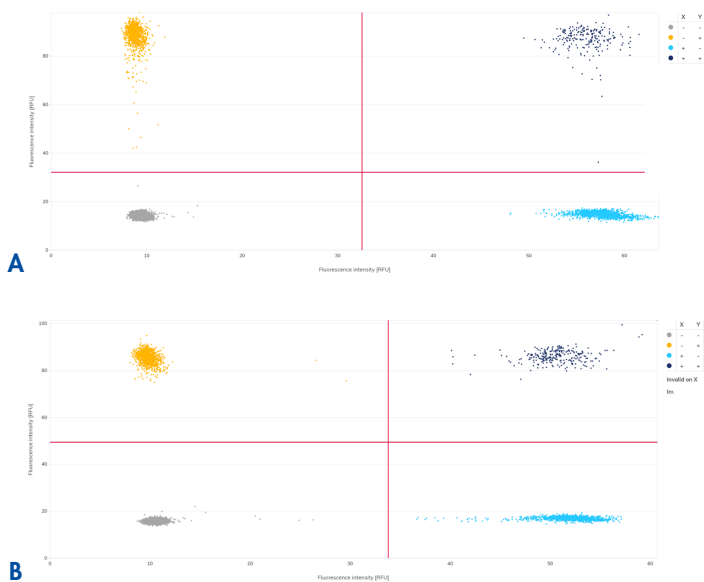


Figure 2. 2D scatter plot. Single-well data of **(A)** PuroR assay (Hex channel, Y-axis) and Albumin assay (FAM channel, X-axis) or **(B)** PuroR assay (Green channel, X-axis) and Albumin assay (Yellow channel, Y-axis) with DNA input.

Document Revision History

Date	Description
07/2025	Initial release

For up-to-date licensing information and product-specific disclaimers, see the respective QIAGEN kit handbook or user manual.

Trademarks: QIAGEN®, Sample to Insight®, QIAcuity®. Registered names, trademarks, etc. used in this document, even when not specifically marked as such, are not to be considered unprotected by law.

07/2025 HB-3736-001 © 2025 QIAGEN, all rights reserved.

