

Highlights

- Matching PICO Labels & Probes
- Optimized for dPCR reaction
- Fluorescent read-out



PICO Labels are used with:

- PICO gAL Kit #PICO-000110

PICO Probes are used with:

- PICO AMC Kit #PICO-000010

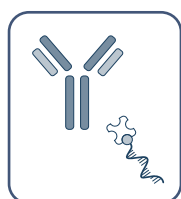


PICO Labels & Probes

PICOGlue BL Label #PICO-000120 & PICO BL Probe #PICO-000070
PICOGlue P8 Label #PICO-000121 & PICO P8 Probe #PICO-000071
PICOGlue N6 Label #PICO-000122 & PICO N6 Probe #PICO-000072
PICOGlue O7 Label #PICO-000123 & PICO O7 Probe #PICO-000073

The **PICO Labels** are carefully designed unique DNA oligonucleotides that are used to label antibodies using the **PICO gAL Kit**. For the dPCR reaction the **PICO Probes** are added to the sample, which bind specifically to the matching **PICO Labels**. During the amplification of the **PICO Labels**, bound by the matching **PICO Probes**, a specific and distinct fluorescent signal is generated that is detected in each partition separately by the dPCR instrument. Partitions containing complexes, the molecular detection unit of the PICO assay, will have at least two fluorescent colors. After the dPCR run, the raw data, containing the fluorescent signal from each partition individually, is uploaded to **AMULATOR**, Actome's web-based analysis software.

Currently we are offering **four different PICO Labels** with matching **PICO Probes** (BL, P8, N6, and O7). This allows four color (4-plex) measurements with **QIAGEN's QIAcuity dPCR System** using the green, yellow, orange, and red fluorescent channels. Using all four PICO Labels simultaneously allows the analysis of up to two targets from a single sample. For example: you can measure **1)** up to two different single proteins, **2)** up to two different protein interactions, **3)** post-translational modifications of up to two proteins, or **4)** the combination of the single features (e.g. a single protein AND a protein interaction). You have full freedom to design your PICO experiments with the four available PICO Labels and the matching PICO Probes.



Antibody labeling



PICO assay



Data analysis

Next Generation Discovery

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