

## Highlights

- Contains all the individual PICO Kits
- Materials for five PICO experiments
- Rapid data analysis with Actome's web-based AMULATOR software



# PICOGlue All-in-One Set

#PICO-000021

The Protein Interaction Coupling (**PICO**) technology enables the **absolute quantification** of proteins, protein interactions, and post-translational modifications by employing oligonucleotide-labeled antibodies and digital PCR readout. All you need is a **pair of non-overlapping antibodies** against the target of your choice.

Perform complete PICO experiments with the comprehensive **PICOGlue All-in-One Set**. This set includes all the necessary individual PICO Kits, providing you with the materials needed to conduct **120 PICO reactions**, equivalent to five full 24-well QIAcuity dPCR plates.

### Streamlined PICO workflow:

1. Two different antibodies of your choice are labeled with **PICO Labels** using the **PICO gAL Kit**.
2. The biological sample is lysed and incubated with the labeled antibodies. **'Complexes'**, a target bound by two different labeled antibodies, are formed. The sample is highly diluted, combined with the PCR Master Mix and loaded into a dPCR assay plate for readout.
3. In **QIAGEN's QIAcuity dPCR** instrument the sample is partitioned into thousands of minuscule partitions. During amplification the two different **PICO Labels**, bound by the matching **PICO Probes**, generate distinct fluorescent signals. Partitions containing the complexes will have two colors (e.g. **green AND yellow**) while compartments with only one labeled antibody will have one color (e.g. **green OR yellow**).
4. The raw dPCR data is uploaded to our web-based **AMULATOR** software for data analysis and statistical evaluation.

### Kits included in this set:

- PICOglue Antibody Labeling (gAL) Kit
- PICO Amplification Core (AMC) Kit
- PICOglue BL Label
- PICOglue P8 Label
- PICO BL Probe
- PICO P8 Probe

### Further analysis with:

- QIAGEN's QIAcuity dPCR System
- AMULATOR



Antibody labeling



PICO assay



Data analysis

## Next Generation Discovery

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