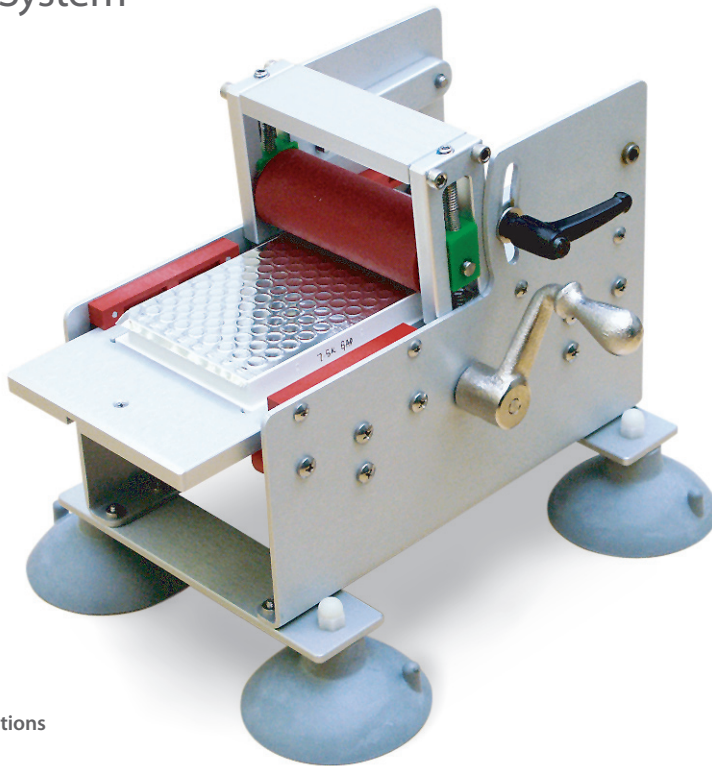


QuantiGene® CTC Plate Sealer

A robust and reliable plate sealing solution for use with the QuantiGene Reagent System



Physical Specifications

Weight: < 6 lbs.

Dimensions: 10.5"(L) x 10.0"(W) x 10.0"(H)

Operation

Simply apply the plate seal, place the plate into the fully extended platform and turn the crank. The QuantiGene CTC Plate Sealer applies a consistent pressure to produce a uniform and complete plate seal, plate after plate, day after day.

QuantiGene Reagent System Assay Performance

QuantiGene assays set the highest performance standards for RNA quantitation technologies in the area of precision, accuracy, simplicity, and robustness. The routinely observed coefficient of variation (CV) for the QuantiGene assay is $\leq 10\%$. Contributing to such high precision is consistent and uniform plate sealing.

Efficient plate sealing reduces edge effects that may result from incomplete or variable plate sealing techniques. As shown in Figure 2, efficient plate sealing can markedly improve assay precision by reducing the CV across the plate to $\leq 5\%$.

- **Quick & Simple Operation**
Results in a robust, uniform seal
- **Enhances Workflow & Data Quality**
Increases the efficiency and speed of plate sealing
- **Process More Plates**
Requires minimal manual intervention
- **Small Footprint**
Transports easily

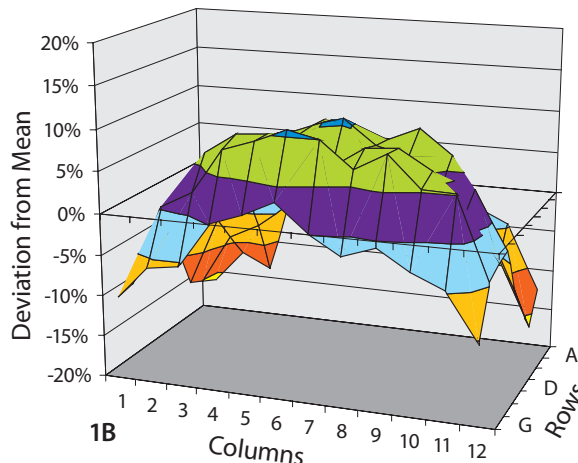
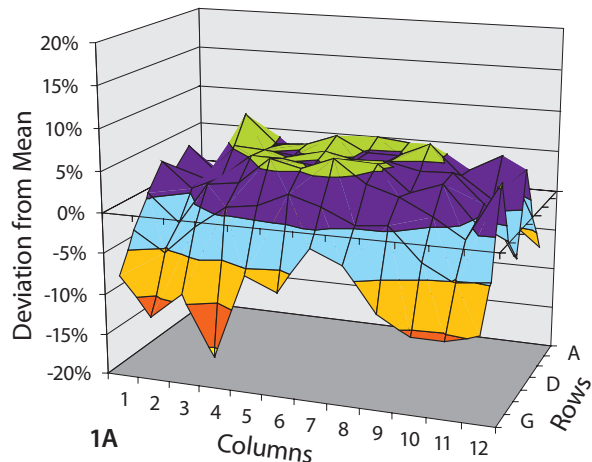


Figure1: Edge effects related to variable plate sealing

Edge Effects Related to Variable Plate Sealing

The assay plates in Figure 1A and 1B were sealed for the overnight hybridization using a hand-held roller and read on a Molecular Devices Lmax plate reader. In Figure 1A, the mean assay signal is 25.9 RLUs and the overall assay CV is 5.4%. In Figure 1B, the mean assay signal is 23.2 RLUs and the overall assay CV is 7.1%.

Plate Sealing Using the QuantiGene CTC Plate Sealer

The assay plate in Figure 2 was sealed for the overnight hybridization using the QuantiGene CTC Plate Sealer and read on a Molecular Devices Lmax plate reader. The mean assay signal is 23.4 RLUs and the overall assay CV is 2.2%.

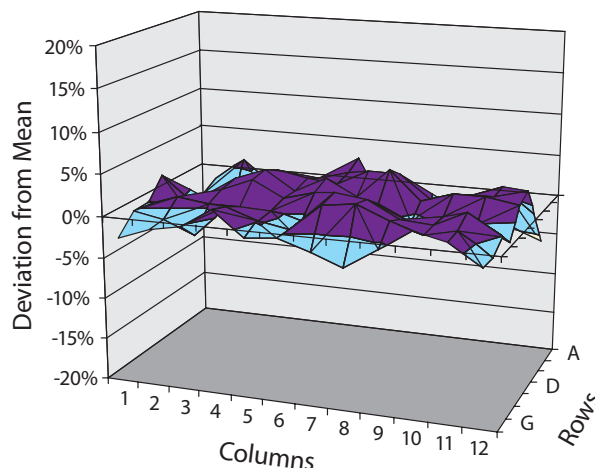


Figure 2: Uniform results following plate sealing using QG CTC Plate Sealer

Product	Size	Catalog No.
QuantiGene	1 each	QG0400
CTC Plate Sealer	10.5" (L) x 10" (W) x 10" (H)	

For more information visit our website at www.panomics.com or call us at 1.877.726.6642.



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