



Prime Pro 48 Adhesive Plate Seals

FOR RESEARCH USE ONLY

Techne Catalogue # PROSEAL48

Pack of 50 Seals

Pro adhesive Seals are optically clear, non-tacky pressure-sensitive adhesive films specifically developed to cover the Prime Pro Real-Time PCR 48-well plate. The seals provide an optically transparent surface for qPCR and other fluorescent applications.

Storage

Store in a cool, dry place, protected from sunlight.

Plate Sealing

1. Pipette all necessary qPCR reagents and templates into a Pro 48-well plate, according to your protocol.
2. Leaving the plate on the Pro sample loading dock, carefully lower the angled foot of the loading dock to a flat position for added stability while applying the adhesive seal.
3. Take one adhesive seal carefully from its bag and remove the white laminated protective liner from the seal (Fig A).
4. Holding the film by the white tab, carefully place the seal on top of the plate, adhesive side down. The square seal fits any orientation on the plate. Choose the orientation that is most comfortable for you.
5. Holding the plate in place on the Pro sample loading dock, drag the squeegee firmly across the surface in multiple directions to ensure the seal is tight and secure (Fig B).
6. After the adhesive seal has been applied, tear off the perforated edge (Fig C).

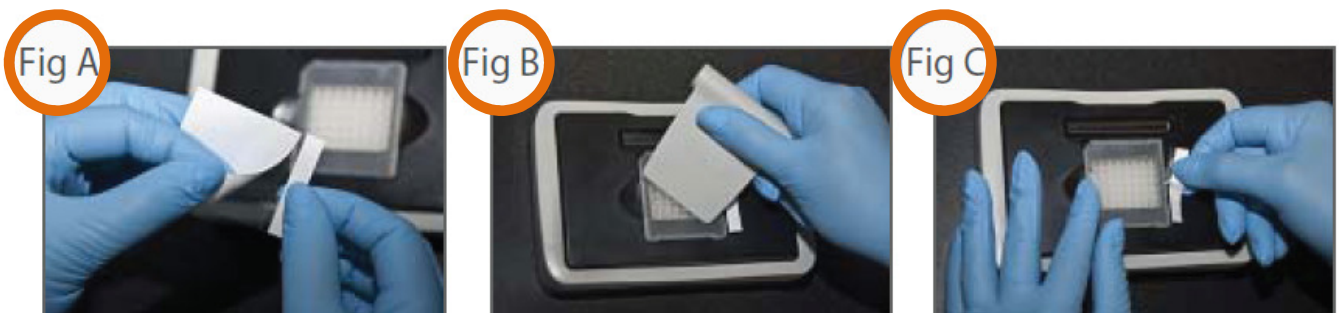
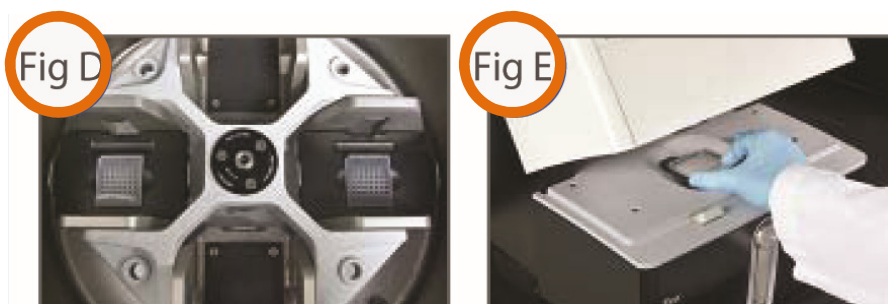


Plate Loading

1. Place the dock plate adapter with your sealed plate in the centrifuge carrier along with the second supplied plate adapter for balance. Centrifuge the plate at 250 g for 30 seconds (Fig D).
2. Open the Prime Pro lid and place the plate on the block, aligning the notch against the top-left corner (Fig E).
3. Close the Prime Pro lid. A clicking sound will occur when the cover is in place.



Troubleshooting

Always wear gloves when applying the Pro Adhesive Seal to a plate. Surface contaminants like hand oil, powder, or dust will interfere with the optical light path and can negatively affect the collection of fluorescent signal during Real-Time PCR.

If the seal does not fully cover the plate or provide a uniform seal around all the outer wells, the seal should be removed, discarded, and a new seal applied. Never re-use a seal that has been applied to a plate.

Re-ordering information

PROSEAL48 Pro 48 Real Time PCR Seals, pk/50

PROPLATE48 Pro 48 Real Time PCR Plates, pk/50



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