



## INSTRUCTIONS FOR SEAL & FREEZE™ BUNDLES

1. Wash gaskets (VP 632) with lab detergent and rinse well with deionized or distilled water.
2. Autoclave gaskets and Silicone grease (VP 690) prior to use.
3. Place the gasket on top of a microplate. The gasket corners are cut to fit all major brands of microplates. Spread a thin layer of sterile silicone grease with a sterile swab on the inside of the plate lid and place the lid on the gasket and press to attach. The silicone grease acts as an inert glue to stick the gasket to the lid. The grease never contacts the wells. Now the wells can be sealed and unsealed simply by replacing or removing the lid.
4. Place the plate on a Bundle bottom (VP 650). Repeat step 3 up to a total of 10 plates. Next a spacer (VP 640) is placed on top of the lid to distribute the compression force from the cable ties evenly over the whole surface of the lid. Plates and spacers are stacked up to 10 high.
5. Place Bundle top (VP 651) on top of stack (no spacer is needed for top plate).
6. Place two cable ties around bundles and into the grooves of bundle tops and bottoms. Use 14 inch cable ties (VP 614) for bundles of 1 to 4 plates and 24 inch cable ties (VP 624) for bundles of 5 to 10 plates. Rubber bands (VP 619) may be used for 4°C storage or for short periods at -20°C.
7. Press down on bundle while hand tightening cable ties. Use cable tie gun (VP 670) to gently tighten cable ties and compress the gasket material and seal the wells. Use care not to over-tighten the cable ties and crack the plates. Use the cutting attachment on cable tie gun to trim off the end of the cable tie. See illustration on cable tie gun box.
8. Place SEAL & FREEZE™ bundle into freezer.
9. Remove SEAL & FREEZE™ bundles from freezer and access the plates by cutting the cable ties with a cable tie cutter (VP 680).
10. Separate the plates and place an Omni Tray with 50 ml of warm water on top of each plate to eliminate condensation.
11. To refreeze plate just replace lid and repeat steps 4 through 8.
12. To reuse gaskets just wash in hot laboratory detergent to remove grease and repeat steps 1 through 8.