

Attachment-3 Tips for Efficiency in Packaging	
<i>Details:</i> Tips from Prodo Labs, Inc to help centers with efficiency for packaging NIPT for shipment	<i>Page Number:</i> Page 1 of 1

Tips for Efficiency in Packaging NIPT for shipment (Tips provided by Prodo Labs, Inc.)

<https://www.protocols.io/edit/collection-packaging-and-cold-shipping-of-fresh-no-bimpkc5n>

Preparation prior to isolation

1. **Frozen ice packs:** When creating your -20°C ice packs, place flat in a tub so they freeze flat. At time of packaging, the tub can be easily removed from the freezer.
2. **TCP Phase 22 CryoPak 8°C pouches:** When receiving/storing a new box of pouches, allow them to warm up in a hot room or water until the contents liquefy enough to allow the pouches to flatten out. Repackage in tubs or boxes, ensuring that each pouch is flat when storing at 8°C . This again will allow flat 8°C pouches for packaging.

Note: If odd-shaped pouches are the only type available, place them on the sides of the boxes where there is more space, rather than using them on the top or bottom of the shipping container.

Preparation prior to packaging

1. Determine the number of boxes needed for the shipment and line them up, in advance, including the smaller, inner box.
2. Prepare your bottles and store in the refrigerator at 8°C .
3. Determine the number of 8°C CryoPak pouches, 8°C cold packs, and -20°C frozen ice packs that will be needed, and place all on a cart so that everything is quickly accessible.
4. Put the absorbent pads, Ziploc bags, TipTemp Indicators (avoid frozen ice packs), FedEx envelopes, and bottle labels on a second cart.
5. Lay out all paperwork, so that you can quickly grab it and match it to a bottle.
6. Group your bottles by amount of NIPT, to ease the placement in specific packages.
7. Follow the protocol and pack the boxes. It should take 2-3 minutes per box.