Agarose Plug Shipping Instructions

The following technical note is offered to give guidance as to the preferred method for packaging and shipping **biological material embedded into Agarose Plugs.**

Embedding Biological Material Into Agarose Plug (overview)

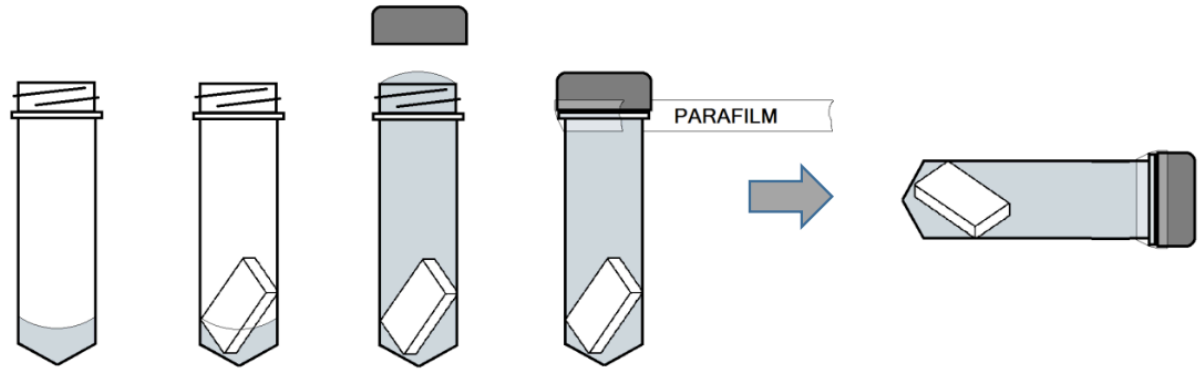
Follow the DNA Isolation Protocol for the sample of interest. If DNA yield from your particular sample is uncertain, consider creating additional plugs with 2x and 0.5x the recommended amount of material to increase the likelihood of meeting the target DNA concentrations. Briefly:

1. Embed material into Agarose according to protocol.
2. Perform Plug Lysis with Proteinase K and RNase Digestion (if applicable).
3. Complete all Wash Steps before preparing plugs for shipment.

Preparing Plug for Shipment

Package agarose plugs individually in screw cap microfuge tubes.

4. Add 100 µL Wash Buffer (Bionano, p/n 20256) to bottom of tube.
5. Carefully place plug at bottom of tube.
6. Top off completely with Wash Buffer, screw on cap.
7. Seal cap with Parafilm.
8. Tilt sideways to ensure that there are no air bubbles.

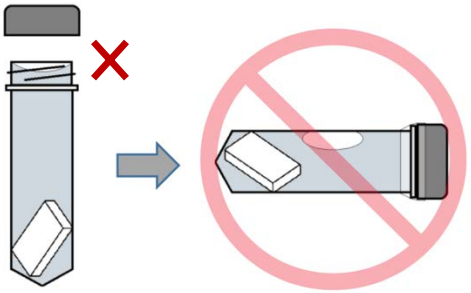


9. Wrap microfuge tube in bubble wrap.
10. Ship at room temp or 4°C, DO NOT ship with -20°C ice packs.
11. Ship overnight shipping (or fastest possible).

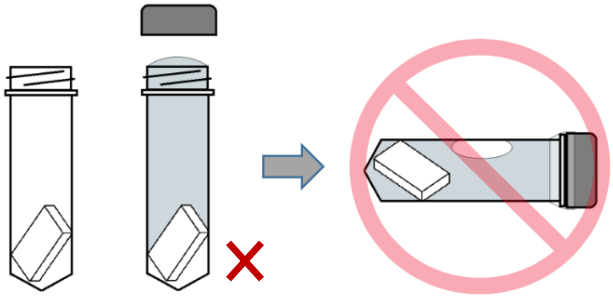
Precautions

Avoid the following as they can cause damage to the quality of the DNA or the integrity of the agarose plug in transit.

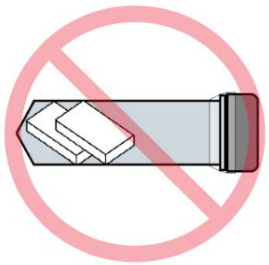
Do Not leave an air bubble at the top of the tube. When the tube is tilted sideways the air bubble will create turbulence and damage the plug.



Do Not forget to add Wash Buffer before inserting the plug. Air will be trapped under the plug.



Do Not ship more than one plug per tube. They will damage each other in transit.



Do Not ship with -20°C ice packs. Freezing will damage DNA.

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