

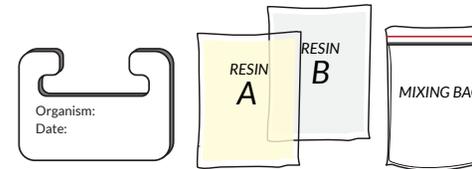
Keep-it Kit™ Instructions

Safety Note:

Wear gloves at all times and use the kit in a well-ventilated area with adult supervision. If you think you are likely to get some resin on your clothes, wear an apron, lab coat, or old clothes. Remember your *Practicing Safe Science* from previous instructions and www.amino.bio/safe-science.

*This kit can preserve up to 3x 6cm diameter petri dishes (the ones that come standard in any Amino Labs experience) or 1x 10cm diameter petri dish.

In your kit:



Resins are visually clear, these colors are for illustration clarity.

You will also need:

Permanent marker
Old Newspaper/paper
Gloves

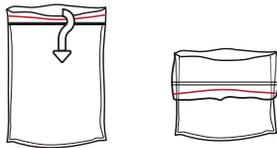


1. Select up to 3 petri dish you want to preserve*. Place the petri dish(es) right-side-up on a clean surface once your bacteria has grown and is colored. Wait for the surface to 'dry' 24 - 48hrs.

→ No water/moisture should be visible on the surface when you start step 2.

2. Put on your gloves and set down newspaper or similar to protect your work surface. → if your Resin B pouch got too cold in storage or transport, some crystals may have formed in the resin. If it looks whitish or opaque, set in in a cup of very hot water until it turns clear again, about 1 minute.

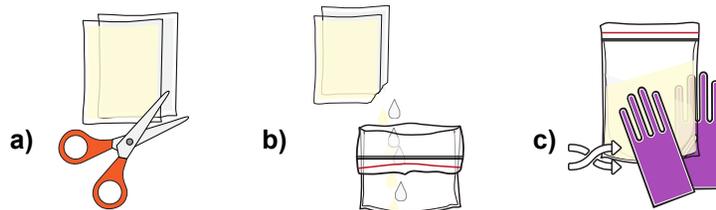
3. Fold down the sides of the mixing bag so that it resembles a cup.



4. a) Align Resin A & Resin B pouches. Pinch a bottom corner of the pouches to clear away the resin and cut an opening.

b) Squeeze both resins into the mixing bag. Close the mixing bag tightly.

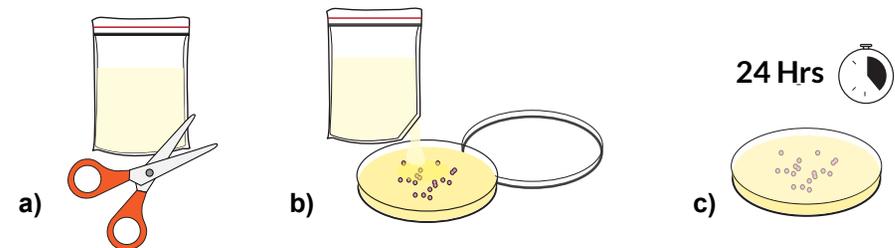
c) Mix the resins by massaging the bag 1 to 2 minutes, until it appears clear



5. a) Open up your experiment plate(s). Pinch the bottom corner of the mixing bag to clear away the resin and cut an opening. Don't make the opening too large as the resin will pour out this opening... be careful the resin is liquid!

b) Pour a quarter-sized amount of mixed resin in the middle of the petri dish and tilt the petri dish around so that the resin covers the entire surface and touches the edges. You do not need a thick coat of resin, you just need to cover the entire surface of the petri dish. → If you are preserving 2 or 3 petri dishes, pour some resin on each plate, spread it around by tilting the petri dish and top up with resin if necessary or if you have leftovers. The resin will stay liquid for 5 minutes once mixed.

c) Leave the resin to fully set over 24 hours at room temperature.



7. Fill out the Stand information using a marker and display your experiment result proudly! If your DNA was fluorescent, use a blacklight to view it.

