

# Keep-it Kit™ Instructions: preserve your petri dishes

## Safety Note:

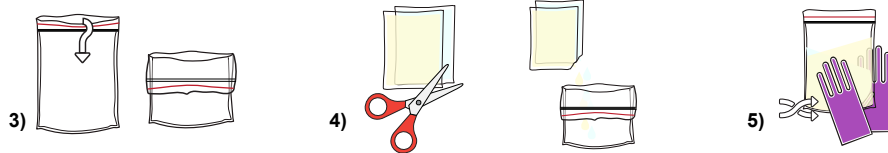
Wear gloves at all times and use the kit in a well-ventilated area with adult supervision. If you think you are likely to get some resin on your clothes, wear an apron, lab coat, or old clothes. Remember your *Practicing Safe Science*: [www.amino.bio/safe-science](http://www.amino.bio/safe-science).

The individual kit can preserve up to 3x 6 cm diameter petri dishes (or 1x 10 cm petri dish). The Group kit is made up of 8x individual kits, so enough to preserve a total of 24 small petri dishes (or 8 large ones).

1. Choose up to 3 Petri dishes you want to preserve and place them right-side-up on a clean surface once you are done incubating them. Take the petri dish lids off if your environment is free of molds; otherwise, leave them closed. Wait for the surface of the Petri dishes to 'dry' for 24 - 48hrs.

→ No water/moisture should be visible on the surface when you start step 2. A good way to tell if it is dry enough is to see if the thickness of the agar has shrunk by about half of what it was.

2. Put on your gloves and set down used paper or cardboard to protect your work surface. → if your resin got too cold in storage or transport, some crystals may have formed in one of the resin pouches. If it looks white or opaque, set it in a cup of hot water until it turns clear again, about 1 minute.

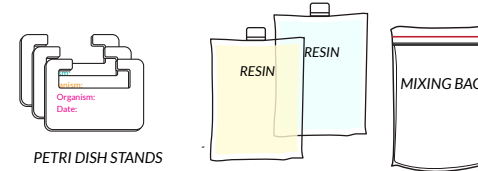


3. Fold down the sides of the mixing bag so that it resembles a cup.

4. Add **both** resin pouches into the mixing bag and close the mixing bag tightly. → you can cut open a corner of the resin pouches or use the lid.

5. Mix the resins by massaging the mixing bag for 1 to 2 minutes until the liquid looks clear (no more white streaks or filament). Mixing well is the key to a good resin, but it will start to solidify after ~5 minutes, so be quick!

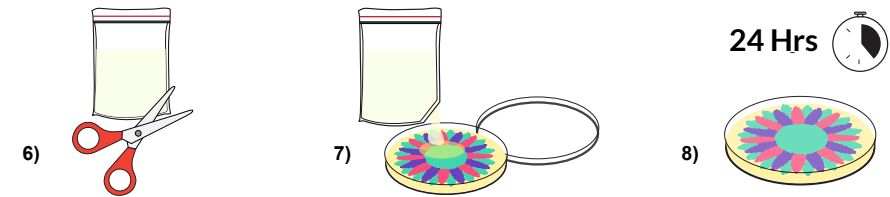
## In your kit:



\* The resins are clear, these colors are for illustration only.

## You will also need:

Old paper to protect your workspace  
Permanent marker  
Gloves  
Scissors



6. Remove the lid of your Petri dishes if needed. Pinch a bottom corner of the mixing bag to clear away the resin and cut a small opening. → Don't make the opening too large, as the resin is liquid and can pour out too fast.

7. Pour a quarter-size amount of mixed resin into the middle of one 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 only need to cover the entire surface of the petri dish.

If you are preserving 2 or 3 Petri dishes, pour some resin on each petri dish and spread it around by tilting the Petri dishes. Top up each petri dish with any leftover resin. The resin will stay liquid for 5 minutes once mixed.

8. Leave the resin to set at room temperature over the next 24 hours.

9. Fill out the information on your petri dish stand using a marker and display your result proudly! If your bacteria is fluorescent, you can still use a black-light to see it fluoresce. → See how to place your petri dish in the stands here: <https://www.youtube.com/watch?v=xHjHryopDhM>

