

**CUSTOMER
SUPPORT**



ADDITIONAL QUESTIONS?

If you need assistance or experience problems with the oligos provided, please consult your local Kilobaser representative or contact us directly.

support@kilobaser.com

MANUAL CLEANING OF YOUR KILOBASER SYNTHESIZER

MANUAL

**— FOR RESEARCH
USE ONLY**

HOW TO MANUAL CLEAN YOUR KILOBASER

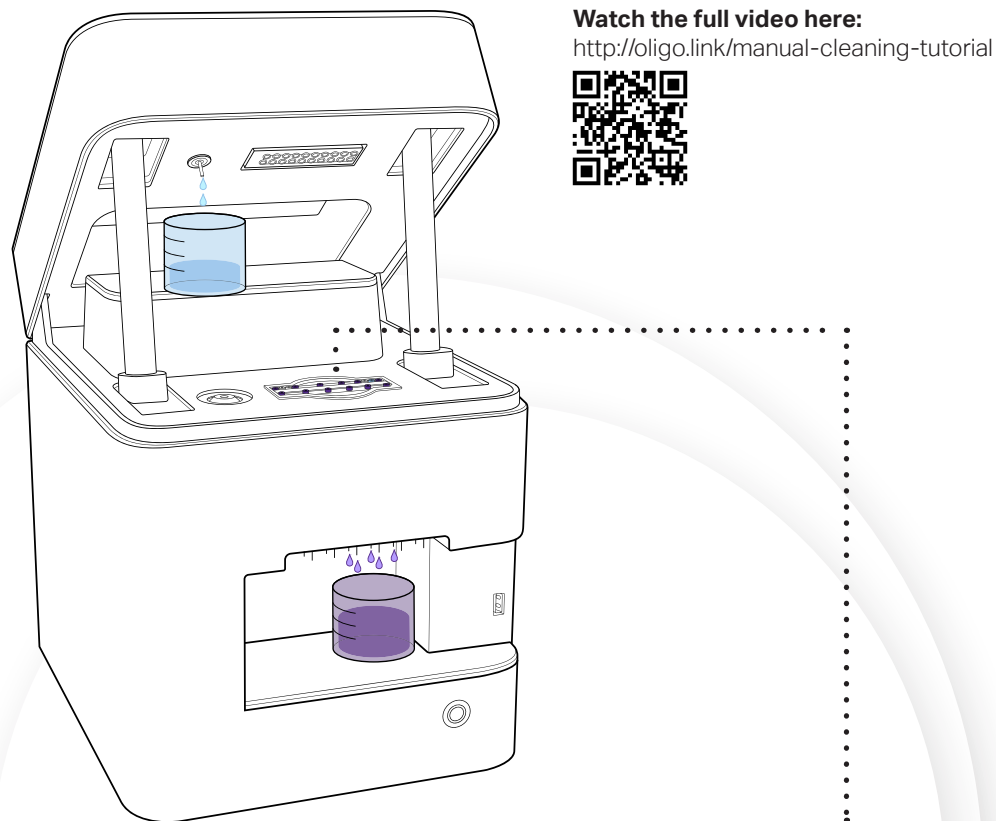


Figure 1: Kilobaser synthesizer with collection beakers

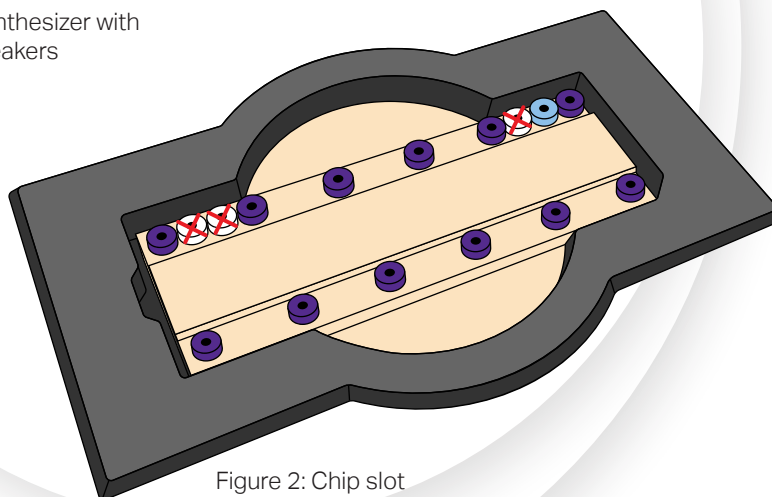


Figure 2: Chip slot

STEP BY STEP TUTORIAL

YOU NEED

- Disposable syringe
- Beaker
- Personal protective equipment (goggles, gloves, lab coat)
- Solvent (dry acetonitrile is recommended, ethanol will work)
- Paper towels

⚠ IMPORTANT: Do not clean the ports marked with a red cross in figure 2!

PREPARATION

01. In the Kilobaser user interface, go to: „Settings“ then „Cartridge“, scroll down to the „Manual cleaning“ process and add it to the queue.
02. Start the process: the lid opens and the cartridge slide moves up. Make sure there is no cartridge inserted!
03. Before starting the cleaning process, make sure to wear personal protective equipment.

CLEANING THE NEEDLES

04. Take the syringe filled with solvent.
 05. Place the tip of the syringe on the rubber nub labeled **purple** in figure 2.
 06. Gently press the plunger of the syringe until the solvent begins to drip from the needle below.
- ⚠ Make sure to hold a beaker under the needle to be cleaned to collect the solvent.**
07. Repeat steps 5) and 6) for all needles labeled **purple** in figure 2.
- ⚠ Be careful not to inject solvent into the ports marked with a red cross in figure 2!**

CLEANING THE DNA-OUT CAPILLARY

08. Take the syringe filled with solvent.
 09. Place the tip of the syringe on the rubber nub labeled **blue** in figure 2.
 10. Gently press the plunger of the syringe until the solvent begins to drip out of the DNA-out capillary.
- ⚠ Make sure to hold a beaker under the DNA-out capillary to collect the solvent.**
11. After removing the syringe from the rubber nub, some solvent will come out of the rubber nub. You can soak it up with a paper towel.
- ⚠ Be careful not to inject solvent into the ports marked with a red cross in figure 2!**

REMOVING THE SOLVENT

12. Take a fresh syringe and pull the plunger to fill the syringe with air.
 13. Place the tip of the syringe on a rubber nub.
 14. Press the plunger of the syringe to flush the remaining solvent out of the needle or DNA-out capillary.
- ⚠ Make sure to hold a beaker under the rinsed needle or DNA-out capillary to collect the remaining solvent.**