


# Thinky ARE-310 Mixer

Last updated: Haley Holcomb 9/13/22

Thinky ARE-310 Mixer

<b>Tool Type:</b> PDMS
<b>Location:</b> Microfluidics Lab
<b>Description:</b> PDMS mixing tool
<b>Manufacturer:</b> Thinky

## About

The Thinky Mixer is one of the PDMS tools in the Microfluidics lab. This machine is used for mixing and de-aerating the elastomers that are used in fabrication of microfluidic devices. The mixing time and revolution speed of the device can be programmed using the machine's controller interface.

## Safety Concerns

Goggles, gloves, a lab coat, long pants, and close-toed shoes should be worn while operating this machine. Long hair should be tied back. Review Sylgard 184 resin SOP before handling.

## Training Documentation

thinky\_are-310\_mixer\_programming\_handout.pdf

## Detailed Specifications

- 310g capacity
- Centrifugal force of over 400G

- Cold-insulated, heat-resistant adapter enables support of various material characteristics
- Memory and step-operation functions for controlling and executing operating condition
- 2 modes of mixing and deaeration achieve dispersion and deaeration of high-viscosity materials in a small amount of time

---

## Reference Documentation

[thinky\\_are-310\\_mixer\\_manual.pdf](#)

[Using the Thinky Mixer \(video\)](#)

---

From:

<https://microfluidics.cnsi.ucsb.edu/wiki/> - **Innovation Workshop Wiki**

Permanent link:

[https://microfluidics.cnsi.ucsb.edu/wiki/doku.php?id=thinky\\_mixer&rev=1672887887](https://microfluidics.cnsi.ucsb.edu/wiki/doku.php?id=thinky_mixer&rev=1672887887)

Last update: **2023/01/05 03:04**

