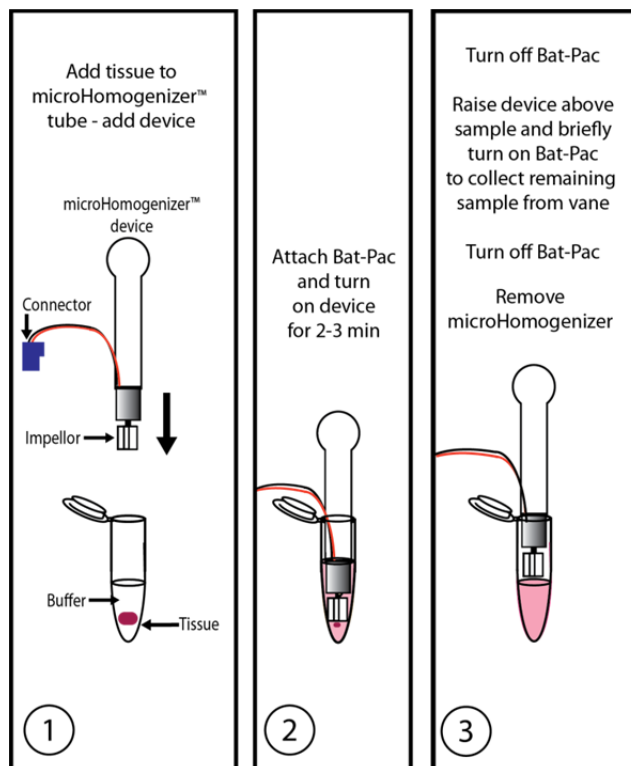


Simplified microHomogenizer™ Protocol (For research purposes only)

1. Remove microHomogenizer from the provided microfuge tube. Add buffer of choice (see Table 1 for volume) to the microfuge tube. Add tissue sample to buffer. Place the microHomogenizer into the tube submerging the impellor and part of the motor casing to remove air.
2. Connect microHomogenizer to the Bat-Pac™ battery pack via the blue mating connectors, lining up the red arrows. Activate the microHomogenizer™ device by moving the switch on the Bat-Pac™ module to the “On” position. Homogenize sample until complete (see Table 2). Note: the microHomogenizer™ impellor may stop if it touches the side of the tube. Simply use the device handle to raise, lower, or tilt the position of microHomogenizer within the microfuge tube to achieve optimal disruption.



3. Once acceptable homogenization is reached turn off the Bat-Pac™ module. To collect residual sample on the microHomogenizer, raise the device slightly above the sample, while remaining below the lip of the microfuge tube, and briefly turn the Bat-Pac™ module on and off to collect remaining sample. Discard the microHomogenizer™ device and save the Bat-Pac™ module.

microHomogenizer	Volume	
	Min	Max
Small	200 µL	600 µL
Large	500 µL	600 µL

Table 1. Minimum and maximum volumes for microHomogenizer™ devices

Bat-Pac™ Module	Suggested Times	
	Min	Max
1.5 volts	2 min	5 min
3 volts*	30 sec	3 min
6 volts	10 sec	2 min

Table 2. Suggested homogenization times for battery packs. *Standard Bat-Pac supplied with kits.

Notes:

- Disruption times may vary depending upon the tissue type, voltage of homogenization and on buffers used during homogenization



- microHomogenizer™ devices are compatible with DNA and RNA isolation kits from commercial vendors including Denville, Qiagen, Life Technologies and Bio-Rad to reduce timely sample homogenization without an impact on quality or quantity of the nucleic acid
- microHomogenizer™ devices can be placed in ice for homogenizing samples that require cooling during preparation
- the devices should not be used with liquid nitrogen
- microHomogenizer™ devices can also be used to lyse samples, including tissue, bacteria and yeast by including the provided lysis beads and homogenizing the sample for 2-5 minutes
- If you have specific questions about the type of matrices you are using or applications, please contact ClaremontBio (855-855-1777)

To reorder microHomogenizers today please visit www.claremontbio.com or call 1-855-855-1777

04.270.48	microHomogenizer - 48 Pack
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