

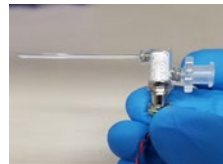
OmniLyse® Protocol

For OmniLyse (standard version) and OmniLyse HL (high-load version) (For research purposes only)

OmniLyse® devices are intended for research purposes only. Carefully read instructions prior to use. For any questions regarding use of the product please contact Claremont Bio at 1-855-855-1777.

OmniLyse (standard version)

(Suggested max. load: up to 1×10^8 cells)



OmniLyse® device

1. Attach a syringe to OmniLyse® cartridge and attach the cartridge to the Bat-Pac™ battery pack via the blue mating connectors, lining up the red marks.
2. Re-suspend cell pellet (up to 1×10^8 bacterial cells) in 500 – 1000 μ l of your preferred buffer (**not compatible with Phenol/chloroform or TRIzol reagents**). Mix by vortex or by pipetting to resuspend the pellet.
3. Insert the OmniLyse® tubing tip into the sample. Draw sample into OmniLyse® cartridge with attached syringe, displacing the air.
4. Turn on the battery pack and slowly draw the majority of the remaining sample through the cartridge such that cartridge remains filled with sample. Battery pack does not need to be held during sample processing and can be placed on a surface.
5. Reverse direction, dispensing the majority of the sample through the cartridge into the sample tube. Continue withdrawing and infusing the sample for 30 seconds to 5 minutes, depending upon ease of lysis and desired lysis efficiency.
6. Turn off battery pack, and collect lysed sample in microfuge tube. Discard OmniLyse® cartridge and syringe appropriately.

OmniLyse HL (high-load version)

(Suggested max. load: up to 1×10^{11} cells)



OmniLyse® HL device
and attached tip

1. Attach a syringe to OmniLyse® HL cartridge. Attach a tubing tip to luer fitting on sample port.
2. Attach the cartridge to the Bat-Pac™ battery pack via the blue mating connectors, lining up the red marks.
3. Re-suspend cell pellet (up to 1×10^{11} bacterial cells) in 500 – 1000 μ l of your preferred buffer (**not compatible with Phenol/chloroform or TRIzol reagents**). Mix by vortex or by pipetting to resuspend the pellet.

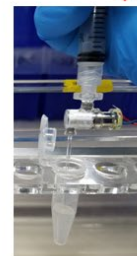
OmniLyse® Steps



Attach syringe



Connect to battery



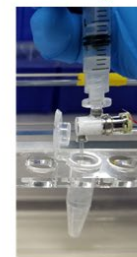
Place tip in sample



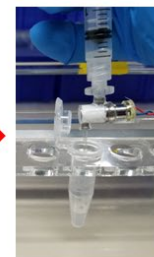
Draw in sample



Turn on Bat-Pac



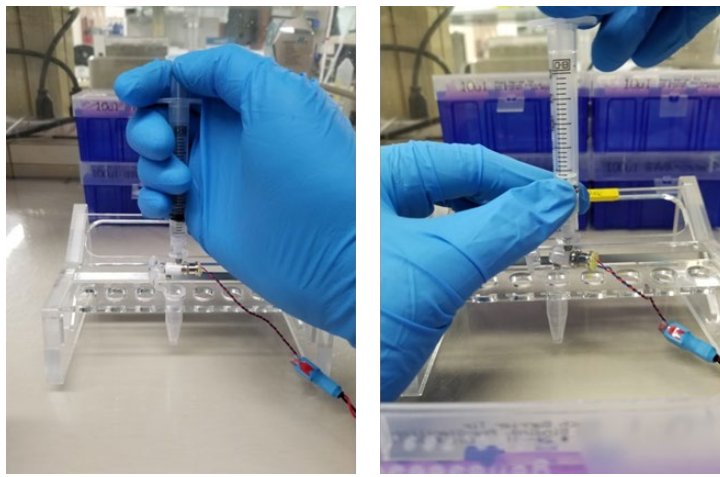
Without introducing air,
cycle sample back and
forth through device for
3-5 min.



Turn off Bat-Pac
And collect lysate
in tube

4. Insert the tubing tip attached to OmniLyse into the sample. Draw sample into OmniLyse® cartridge with attached syringe, displacing the air.
5. Turn on the battery pack and slowly draw the majority of the remaining sample through the cartridge such that cartridge remains filled with sample.
6. Reverse direction, dispensing the majority of the sample through the cartridge into the sample tube. Continue withdrawing and infusing the sample for 30 seconds to 5 minutes, depending upon ease of lysis and desired lysis efficiency.
7. Turn off battery pack, and collect lysed sample in microfuge tube. Discard OmniLyse® cartridge and syringe appropriately.

OmniLyse® devices can be held using either one or two hands



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