

OmniLyse®X lysis of solid sample For research purposes only

OmniLyse®X is intended for research purposes only. This protocol was developed to prepare and lyse tissue or viscous samples. Carefully read instructions prior to use. For any questions regarding use of the product please contact Claremont Bio at 1-855-855-1777.

Contents

48	OmniLyse® X Devices
1	1.5, 3, or 6 volt battery pack (6V standard)
1	Funnel & Scoop Set
1	Bottle of lysis beads
48	Lysate recovery transfer pipettes

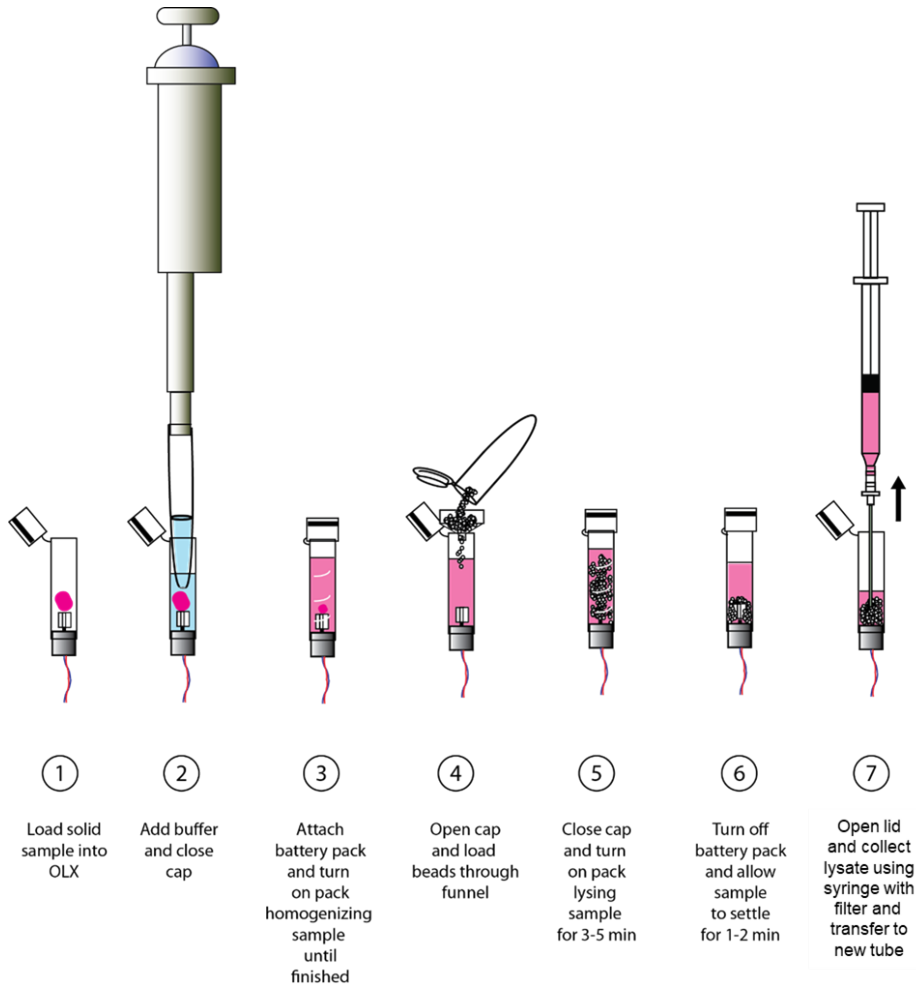
Beads are a ceramic material – do not ingest or inhale

OmniLyse®X (OLX) Sample Lysis Protocol

1. **Homogenizing tissue or viscous sample**
 - a. Insert blue connector from OLX wiring into blue connector on battery pack wiring
 - b. Open cap of OLX tube
 - c. Place solid or viscous sample in OLX
 - d. Pipette or add desired buffer into OLX (depending on OLX tube size)
NOTE: Depending on size of OLX tube, total volume of sample plus buffer should not exceed 0.5 mL for 0.5 mL OLX, or 1.5 mL for 2.0 mL OLX. Small volumes may require user to pulse the sample to minimize dispersal of buffer.
 - e. Close OLX cap
 - f. Turn on battery pack and homogenize sample until acceptable processing complete
 - g. Turn off battery pack and allow sample to settle for 1-2 min

2. **Sample Lysis**
 - a. Open OLX cap
 - b. Using the supplied funnel and scoop dispense desired amount of beads into the OLX
NOTE: Desired bead amount can vary. Recommended amount of beads for 0.5 mL OLX is 1 scoop (~500 mg) and for 2 mL OLX it is 1 - 1 ½ scoops (~500-750 mg). In the presence of a detergent (e.g., as low as 0.05% SDS) a higher bead amount, such as 2 scoops (~1 g), can be used in the 2 mL OLX.
 - c. Turn on battery pack and lyse sample in OLX for 3-5 minutes
NOTE: Depending on the matrix and microbe samples lysis may take between 30sec to 10 min. Most bacteria/fungus/ viruses are disrupted in 3 minute.
 - d. Turn off battery pack, disconnect OLX from battery pack and allow sample to settle in OLX for 1-2 minutes

3. **Sample Collection**
 - a. Insert the mesh end of the filter tip to just below the surface of the beads. Tilting the tube may help
 - b. Slowly draw sample completely into bulb.
 - c. Transfer sample to fresh microfuge tube
 - d. Discard the OLX and filter tip pipette in the appropriate waste container



OmniLyse®X Visual Protocol

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