

TECHNICAL DATA SHEET

ALab™ MX-C Cell Disruptor

Hands-free disruption of up to 8 microtubes · capacity 8 × 2 mL · 0–3000 rpm (adjustable) · constant, controlled shear rate



ALab™ MX-C Cell Disruptor

The ALab™ MX-C is a cell disruptor that prepares cell lysates from cells, yeast, bacteria, algae and fungi in up to 8 microtubes. Image shown for reference.

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SECTION I

Product Overview

The ALab™ MX-C Cell Disruptor disrupts cells, yeast, bacteria, algae, fungi, etc. to prepare cell lysates for further processing. It is durable, reliable and affordable, and offers easy-to-operate, rapid hands-free disruption of up to 8 microtubes. It processes at a constant, controlled shear rate, maintains genome integrity of the biological samples, and facilitates subsequent purification of genomic material.

The MX-C uses a high-speed circumferential vortex and oscillation function with a 4 mm orbital diameter and an adjustable speed range of 0–3000 rpm with a scale speed display; the capacity is 8 × 2 mL. Published power requirements are 200–240 V / 100–120 V, 50/60 Hz, 60 W. It is best suited for research laboratories demanding accurate, reproducible, repeatable results.

SECTION II

Core Advantages

- **Up to 8 microtubes** — easy to operate, rapid hands-free disruption; capacity 8 × 2 mL
- **Genome integrity** — maintains genome integrity; facilitates subsequent purification of genomic material
- **Reproducible results** — for research laboratories demanding accurate, reproducible, repeatable results
- **Constant, controlled shear** — high-speed circumferential vortex and oscillation function
- **Adjustable 0–3000 rpm** — scale speed display; 4 mm orbital diameter
- **Durable and affordable** — durable, reliable and affordable; suitable for all sample types

SECTION III

Specifications

Technical data — MX-C

Specifications	
Brand	ALab™ by ACS Material
Product Name	ALab™ MX-C Cell Disruptor
Model	MX-C
SKU #	ALMXC000
Product Type	Cell disruptor
Functions	Disrupts cells, yeast, bacteria, algae, fungi, etc. to prepare cell lysates for further processing
Mixing motion	High-speed circumferential vortex and oscillation function
Orbital diameter	4 mm
Speed range	0–3000 rpm (Adjustable)
Speed display	Scale
Capacity	8 × 2 mL
Power Requirements	200–240 V / 100–120 V, 50/60 Hz, 60 W
Dimension	127 × 130 × 160 mm
Weight	2.0 kg

Scope of delivery

- **Standard configuration:** one MX-C main unit.
- **Additional items:** specify separately in the quotation.

SECTION IV

Applications

Suitable for all sample types: lysis of yeast and fungi; isolation of genomic material from faecal samples, fungi and bacteria samples and soil samples; isolation of PCR-ready genomic DNA from soil samples; DNA & RNA purification; lysis of bacteria; lysis of soft tissues; isolation of genomic DNA; purification of DNA; cell lysis; lysing the cell wall of yeast; breaking hard/brittle samples.

Product value: rapid hands-free disruption of up to 8 microtubes (8 × 2 mL) at a constant, controlled shear rate, with an adjustable 0–3000 rpm speed range, in a 127 × 130 × 160 mm, 2.0 kg instrument. Confirm the tube types against your application requirements before ordering.

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