Stomacher Homogenizer - Aseptic Paddle Blender - 3-400 ml - 3-12 Strokes/s, Touch Screen

Model **MSLC-H11LSWISS, MSLC-9SWISS, MSLC-8SWISS** | Brand **Master Science**





The Master Science Stomacher Homogenizer, also called a paddle or beating homogenizer, prepares samples by repeatedly pressing a sterile bag between stainless steel paddles. It is widely used to prepare microbiological test samples in food, drug, cosmetics, clinical and toxin testing, and for homogenizing animal tissues, including tumour tissue for single-cell preparation.

KEY HIGHLIGHTS

- No cross-contamination
- No cleaning between samples
- Gentle processing
- Repeatable results

AT A GLANCE

3 to 12 strokes per second
PADDLE SPEED

3 to 400 ml
EFFECTIVE VOLUME

220 V; 500 W / 220 W / 200 W
POWER

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Overview

Because the sample stays inside a disposable sterile bag, it never touches the instrument, so there is no cross-contamination and no need to clean or sterilize utensils between samples. Three versions of the Master Science Stomacher Homogenizer are available: standard, sterile with 253.7 nm UV disinfection, and heated sterilization with heating up to 80°C.

Blenders and mortars need cleaning and risk contamination. The Master Science Stomacher Homogenizer helps with:

Key Benefits

No cross-contamination
Samples stay sealed in disposable sterile bags.

No cleaning between samples
The instrument never touches the sample.

Gentle processing
Soft homogenization without temperature rise or damage to microorganisms.

Repeatable results
Programmable speed, time and paddle gap.

For high-shear rotor-stator work, see our laboratory homogenizer.

Technical Specifications

GENERAL	
Brand	Master Science
Model Number	MSLC-H11LSWISS, MSLC-9SWISS, MSLC-8SWISS
SKU	MSLC-H11LSWISS, MSLC-9SWISS, MSLC-8SWISS
Brand	Master Science
Models	MSLC-H11LSWISS (heated, UV), MSLC-9SWISS (UV sterile), MSLC-8SWISS (standard)
SKU	MSLC-H11LSWISS, MSLC-9SWISS, MSLC-8SWISS
Control	Microcomputer, 4.3-inch touch screen
Programming	8-segment combination programmes
Time	1 s to 99 h 59 min 59 s, or continuous
Paddle Speed	3 to 12 strokes per second
Paddle Gap	0 to 50 mm
Effective Volume	3 to 400 ml
Heating	MSLC-H11LSWISS: RT to 80°C
UV Disinfection	MSLC-H11LSWISS and MSLC-9SWISS: 253.7 nm
Paddles	Stainless steel with protective cover
Housing	Stainless steel with anti-corrosion coating
Power	220 V; 500 W / 220 W / 200 W

DIMENSIONS & WEIGHT	
Bag Size	17 × 30 cm
Dimensions	420 × 230 × 330 mm
Net Weight	19 / 18.5 / 18 kg

PROBLEMS THE MASTER SCIENCE STOMACHER HOMOGENIZER SOLVES	
Cross-contamination between samples	Each sample is processed in its own sterile bag.
Time spent cleaning utensils	Nothing to wash or sterilize after each run.
Damage to microorganisms	Gentle paddle action avoids heating the sample.
Operator safety	Anti-pinch auto stop protects hands.

Applications

The Master Science Stomacher Homogenizer is used for

Microbiological sample preparation in food testing Drug and cosmetics microbial limit testing Clinical and toxin detection Animal tissue homogenization Tumour tissue dissociation for single-cell preparation

Control

- 4.3-inch touch screen with microcomputer
- 8-segment combination programming
- Slow start, pause and voice prompts

Homogenization

- 3 to 12 strokes per second
- Adjustable paddle gap 0 to 50 mm
- 3 to 400 ml in 17 × 30 cm bags

Safety and Hygiene

- Automatic stop anti-pinch function
- Removable tempered-glass window
- UV disinfection at 253.7 nm (sterile and heated models)
- Heating to 80°C (heated model)

Standard Accessories Included

- Stomacher homogenizer main unit

Optional Accessories

- Sterile homogenizer bags 17 × 30 cm