Infrared Fiber Analyzer, 6 Samples, 0.1-100% Range, 0.5-3 g Sample, Crude Fiber NDF ADF

Model **MSFBA800SWISS** | Brand **Master Science**





The Infrared Fiber Analyzer determines crude fiber, neutral detergent fiber (NDF), acid detergent fiber (ADF), hemicellulose and acid detergent lignin (ADL) in six samples per batch. It covers 0.1-100% with sample weights of 0.5 to 3 g.

KEY HIGHLIGHTS

- Faster Tests
- Consistent Extraction
- Operator Safety
- Long Pump Life

AT A GLANCE

0.1-100%
MEASURING RANGE

6 samples per batch
CAPACITY

Request a Quotation
Contact us for pricing, configuration options and delivery details.

support@themsci.com
www.themsci.com

Scan to view online

Overview

Integrated infrared heating warms the crucibles quickly and evenly for consistent extraction, and a built-in preheating function shortens the total test time. The Infrared Fiber Analyzer keeps corrosive liquids away from the pump body, includes crucible backflush to prevent clogged filtration, guards against dosing overflow and runs from a 7-inch color touch screen with count-up and countdown timers.

Determine fat on the same samples with our Fully Automatic Fat Analyzer, which complements the Infrared Fiber Analyzer.

Manual fiber digestion on hot plates causes the issues below. The Infrared Fiber Analyzer handles each one.

Key Benefits

Faster Tests
Built-in preheating and infrared heating reach boiling in 13-15 minutes.

Consistent Extraction
Uniform infrared heating improves recovery and repeatability.

Operator Safety
Hidden reagent barrels and overflow protection reduce exposure to corrosive liquids.

Long Pump Life
Corrosive liquids never contact the pump body.

Technical Specifications

UNDEFINED	
Brand	Master Science
Model Number	MSFBA800SWISS
SKU	MSFBA800SWISS
Measuring Range	**0.1-100%**
Sample Weight	0.5-3 g
Repeatability	≤ 0.4% (crude fiber < 10%); ≤ 1% (crude fiber ≥ 10%)
Capacity	**6 samples per batch**
Preheating Time	10-12 min
Heating to Boiling	13-15 min
Heating	Integrated infrared
Test Items	Crude fiber, NDF, ADF, hemicellulose, ADL
Display	7-inch color touch screen
Timer	Count-up and countdown with end-of-test reminder
Rated Power	2.2 kW
Power Supply	220 V AC ±10%, 50 Hz
Dimensions	776 × 476 × 644 mm

PROBLEMS THE INFRARED FIBER ANALYZER SOLVES	
Clogged crucible filters	Crucible backflush keeps filtration flowing.
Spills of hot acid and alkali	Overflow protection and hidden barrels reduce risk.
Long waiting for boiling	Preheating and infrared heating shorten the cycle.
Corroded drain pumps	Corrosive liquid never touches the pump body.

Applications

Crude fiber testing in animal feed

NDF and ADF analysis for forage

Fiber analysis in food and grain

Agricultural research and quality control

Analysis

- Crude fiber, NDF, ADF, hemicellulose and ADL
- 6 samples per batch
- 0.1-100% range, 0.5-3 g samples

Heating

- Integrated infrared heating
- Built-in preheating, 10-12 min
- Adjustable crucible heating power

Safety and Handling

- Hidden pull-out reagent barrels
- Dosing overflow protection
- Crucible backflush against clogging
- Corrosive liquid isolated from pump body

Control

- 7-inch color touch screen
- Count-up and countdown timing
- End-of-test reminder

Standard Accessories Included

- Infrared fiber analyzer main unit
- Crucibles in five specifications

Optional Accessories

- No optional accessories are listed for this model; contact our team for compatible items.