

FT 122 Fibertec™

Reliable crude and detergent fibre system



ANALYTICS BEYOND MEASURE

The FT 122 Fibertec™ Hot Extraction Unit, for hot hydrolysis and extraction with built-in systems for heating and filtration, performs fibre analysis according to Weende, van Soest and other recognised methods, using externally preheated reagents.

Reliable fibre analysis

Batch handling tools improve operator safety when handling hot crucibles, processing up to 6 samples at a time. Single or sequential extractions including boiling, rinsing and filtration are performed under reproducible and controlled conditions for reliable fibre analysis.

Easy sample handling

Filter crucibles are used as an integral part of the assembly during extraction, rinsing and filtration to prevent sample transfer. More versatility and reduced operational cost is achieved with crucibles that are also used as sample vessels during weighing, drying and ashing.

Simple laboratory operations

Integral extraction and filtration is made easy with the optional FT 121 Fibertec Cold Extraction Unit for solvent dehydration, lignin determination and defatting.

Sample type

Raw materials and finished products in feed and agriculture

Parameters

Crude Fibre (CF), Neutral Detergent Fibre (NDF), amylase treated Neutral Detergent Fibre (aNDF), Acid Detergent Fibre (ADF), and Acid Detergent Lignin (ADL)

Technology

6 position single or sequential extraction including boiling, rinsing and filtration

Official reference method

ISO 6865 & 92/89 EEC Crude fibre in feed
ISO 16472 aNDF in animal feed
AOAC 2002.04 aNDF in feed
ISO 13906 ADF and ADL in animal feed

Specifications

Performance data:	
Sample size	0.5 - 3 g
Measuring range	0.1% - 100%
Capacity per batch	Up to 6 samples simultaneously
Capacity per day	Up to 36 analyses (crude fibre method)
Repeatability	±1 % relative at 5% - 30% fibre level

Installation requirements					
Equipment	Power supply	Power consumption	Dimensions w × d × h cm	Weight	Water supply
FT 122 Fibertec™ Hot Extraction Unit	200 - 240 V, 50 or 60 Hz	1.000 W	56 × 38 × 57	28 kg	Tap water for condensors (approximately 2 L/min) and water aspirator (during filtration)
FT 121 Fibertec™ Cold Extraction Unit with water aspirator	-	-	56 × 38 × 28	14 kg	Tap water 2 L/min

Note: Cold Extraction Unit must be placed in the fumehood with at least 0,5 m/sec airflow.

System description:

FT 122 Fibertec, (200-230V):

Hot Extraction Unit comprising: Hot extractor, reflector, reagent bottles, hot water sprayer, beaker, funnel, water suction pump, antifoaming agent, tubing, holder for 6 crucibles, stand for 6 crucibles, crucibles (P2 standard, 2 sets of 6), manual.

FT 121 Fibertec:

Cold Extraction Unit comprising: Cold extractor, spray bottle, tubing, T-tube.

Optional accessories:

Crucibles, P0 (porosity 160 - 250 µm), set of 6
Crucibles, P1 (porosity 100 - 160 µm), set of 6
Crucibles, P2 standard (porosity 40 - 100 µm), set of 6
Crucibles, P2 US (porosity 40 - 60 µm), set of 6
Crucibles, P3 (porosity 16 - 40 µm), set of 6

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