

SENTiFIT[®] 800

Automated high-throughput system for Fecal Testing

Fast, automated and high capacity



SENTINEL
DIAGNOSTICS

SENTiFIT[®] 800

The unique high-throughput solution for Fecal Immunochemical Test

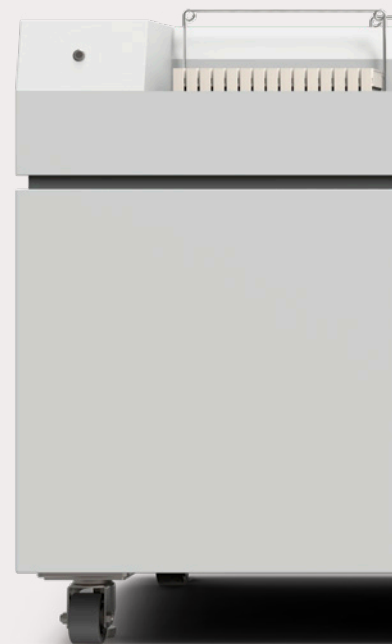
The **SENTiFIT[®] 800 Analyzer** is a fully automated high-throughput system for fecal testing able to meet the needs of Colorectal Cancer (CRC) screening organizations and laboratories with high volume of fecal tests.

The Fecal Immunochemical Test (FIT) is a test designed to identify hidden blood in stools, which can be an early sign of bowel lesions, therefore is the most used screening test for colon cancer.

For samples feeding, the analyzer can be connected either to the dedicated Rack Handler RH-150 or to a Total Laboratory Automation (TLA - available soon) system to maximize the automation and reduce the workload for the lab.

The two most important fecal parameters, **FOB and Calprotectin*** are available on the SENTiFIT[®] 800 Analyzer.

*Available soon



Matches high-throughput needs

- Up to **550 test/h, 4.000 test/day**
- Up to **250 samples on-board**
- More than **20.000 determinations** available on-board
- Tubes loaded on **racks**, 5 samples each
- **Continuous loading** in random access
- **13 mm tubes** compatible with preanalytics
- Designed for connection to **TLA system**



Reduces hands-on time

Automatic features:

- **Barcode reading** for reagents and samples
- Preparation of **calibration curve**
- **Dilution** of over range samples
- Preparation of **wash solutions**
- Direct connection to the **water supply and drainage**
- Wake up and daily **maintenance**
- Daily **QC management** with intuitive interface on real monitor

To discover more about
SENTiFIT® 800 Analyzer
scan the instrument picture



Boosts lab efficiency

- **Automatic piercing** function
- Patented and dedicated pierceable tubes, **safe and hygienic** for the operator
- **Double feeding** module to guarantee continuity
- Reagents **refrigerated** on-board and **stable** for long time
- Sample probe with **level and clot sensors** for correct sampling
- **Full traceability** of all samples and reagents
- **User-friendly** and complete software with bidirectional connection to LIS



Universal patented collection tube for stool sampling

PREMIUM FEATURES

Screwable **green cap** with **collection stick**

Standard **13 mm size**

Separation septum to retain excessive of feces

Grooves in the sampling stick to collect the right quantity for the analysis

Stabilizing buffer for long hemoglobin stability

Transparent **pierceable lid**

RELATED AVANTAGES

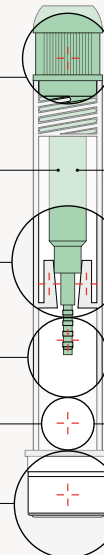
Easy to recap after sample collection

Compatible with preanalytics and TLA systems

Standardized sampling

Accurate results with home collected samples

Safe and hygienic for lab operators



The tube is conform to UN3373 - biological substance transport

SENTiFIT[®] 800

Assays available on the system:

FOBGold[®] line

Quantitative Fecal Immunochemical Test (FIT)



CALiaGold[®] line

Quantitative fCalprotectin measurement*



System specifications

Working speed	Up to 550 test/h
Samples on-board	Up to 250 (100 in the analyzer and 150 in the Rack Handler)
Pipettes	1 pipette for samples, 2 pipettes for reagents
Sampling system	Piercing needle technology
Refrigerated reagent storage	Up to 100 vials, more than 20.000 doses for FIT
Sensors	Liquid level, clot and crash sensors
Management Software	On integrated PC with full size monitor for easier management
Data memory	1.000.000 tests
Dimensions and weight	Analyzer: W1300 × D850 × H1150 mm, 300 kg Rack Handler: W890 × D850 × H924 mm, 110 kg

Ref.	Description
550800	SENTiFIT [®] 800 Analyzer High throughput system for Fecal Immunochemical Testing
550801	Rack Handler RH-150 Automatic sample rack loader for SENTiFIT [®] 800 Analyzer

*Available soon

Sentinel CH. SpA

Via Robert Koch, 2 • 20152 Milan - Italy
Phone: +39 02 34 55 141 • Fax: +39 02 34 551 464
marketing@sentinel.it • www.sentinel diagnostics.com

