

Quantitative haemoglobin measurement in stool

FOB Gold

Easy – safe – hygienic



The FIT test as the standard in the laboratory

Colorectal cancer is one of the most frequently diagnosed cancers. However, it can be avoided or treated if identified in the early stages of the so-called adenoma-carcinoma sequence. In the guidelines for early detection of cancer, an immunological test for occult blood in the stool (i.e. FIT) in addition to a colonoscopy is already a preferred practice. Human haemoglobin is detected with high specificity by using antibodies. If the result is positive, this allows additional diagnostic measures like colonoscopy to be taken at an early stage and possibly to prevent colorectal cancer.

Safe and reliable – the FOB Gold test

Its high-quality diagnostic performance has been demonstrated by multiple studies and has been proven in national and international screening programmes.

The FOB Gold test fulfils the requirements set by the WEO CRC Screening Committee recommendations and several other country-based guidelines:

- *Illustrated instructions that are easy to understand so the patient can correctly sample his/her stool*
- *Standardised test implementation in the laboratory by using automated processes*
- *High diagnostic accuracy: sensitivity 34.3 %, specificity 95.9 %, PPV 51.4 %**

Hygienic and simple – the SENTiFIT pierceTube

- *Notches on the sampling stick and the integrated wipe-off filter result in standardised amount of sample collection and the correct amount of stool (10 mg)*
- *No sample preparation whatsoever after sample collection and before measuring in the SENTiFIT 270 Analyser*
- *Pierceable lid is secured by a tight seal*
- *The preferred tube for CRC screening according to a questionnaire of ~21,000 participants in a Dutch screening programme (De Klerk et al. 2019) – the FOB Gold tube was reported as significantly easier to use*

Specifications

Sample stability	32 days at 2–8°C or 14 days at 24–32°C in a SENTiFIT pierceTube
Compressive strength	The SENTiFIT pierceTube meets packaging regulation P650 of ADR [Accord européen sur le transport des marchandises dangereuses par route, European Agreement concerning the International Carriage of Dangerous Goods by Road] and IATA [International Air Transport Association].
Test tube	SENTiFIT pierceTube
Reagents	SENTiFIT FOB Gold latex Wide (R1 and R2) FOB Gold Screen Diluent
QC and calibrator	FOB Gold Control Set Wide (levels 1 and 2) FOB Gold Calibrator Wide
Analysis system	SENTiFIT 270 Analyser



Information worth knowing about the Sysmex FOB Gold solutions for laboratories, valuable tips for cancer prevention, as well as documentation for doctors and patients, such as guidelines, scientific publications, flyers and videos are available at www.fitscreening.eu

*If using a manufacturer-recommended cut-off of 20 µg Hb/g stool, with regard to advanced neoplasia (source: Selecting a cut-off for colorectal cancer screening with a fecal immunochemical test; Brenner et al. 2017)

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