

**WORLD
INNOVATION**

ScheBo® • Biotech AG
a new era in life science

ScheBo® • 2 in 1 Quick™

M2-PK + Hb

Combined Rapid Test for Colorectal Cancer Screening



**Enzyme-Biomarker
(M2-PK)**

+

**Immunological Fecal
Occult Blood Test
(iFOBT)**

**... Enzyme Biomarker M2-PK now also available
in combination with an Immunological Fecal
Occult Blood Test (iFOBT)**

ScheBo® • 2in1 Quick™ rapid test is an easy to perform and reliable combined rapid test for the simultaneous detection of the enzyme biomarker M2-PK and human hemoglobin (Hb) for improved colorectal cancer screening.

Sample material: small stool sample

The brand new ScheBo® • 2in1 Quick™ test (M2-PK + Hb):

- Not affected by foodstuffs
- No special diet required
- A small stool sample is sufficient
- Test results available within minutes
- No additional equipment needed
- Based on monoclonal antibodies

Enzyme Biomarker M2-PK

- Key enzyme in polyps and colorectal cancers
- Enzyme test with high accuracy for dimeric M2-PK
- Direct method - detects a change in cell metabolism
- Independent of blood in stool
- No false positive results due to hemorrhoids or blood from other sources
- Identifies non-bleeding and bleeding polyps and colorectal cancers

Immunological Fecal Occult Blood Test (iFOBT) for the detection of Hb

- Indirect method - dependent on blood in the stool
- Innovative immunological detection of blood in feces (Hb) with explicit advantages over traditional biochemical guaiac testing (gFOBT)
- Uses antibodies specific for human hemoglobin (Hb)

When should testing start?

- Annually from the age of 40

Sensitivity and Specificity for M2-PK

	Sensitivity	Specificity
Colon Cancer *	93%	97.5%
Polyps **	55.6%	89.5%

* Own illustration, adapted on Goh, K.L., M2-Pyruvate Kinase in the Detection of Colorectal Cancer, Abstract from the Coloproctology 2014, (International Scientific Congress) Kuala Lumpur, Malaysia, (2014)

** Own illustration, adapted on Cho, C.H., Lee, B.J., Lim, C.S. Evaluation of the Performance of Fecal Tumor M2-PK Rapid Kit for Screening Colorectal Tumors Using Stool Specimens, Poster from the 54rd Congress of The Korean Society of Laboratory Medicine (KSLM) (2014)