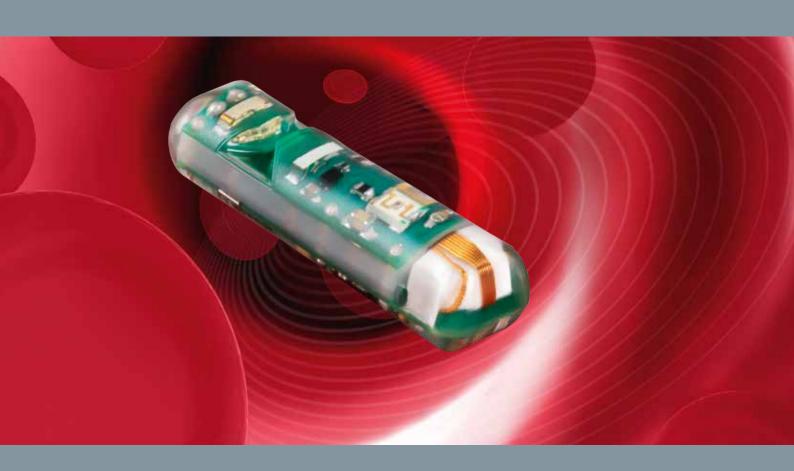




HemoPill®

Immediate detection of acute bleeding in the oesophagus, stomach and small intestine



HemoPill® is a new product line for the immediate detection of acute bleeding in the oesophagus, stomach and small intestine. HemoPill® acute is a swallowable sensor capsule that wirelessly sends measured values to a portable receiver (HemoPill® Receiver).

HemoPill®

Capsule with innovative sensor technology

- Quick and easy assessment of findings when acute GI bleeding is suspected, e.g. in an emergency or with geriatric patients
- Allows rapid prioritisation of endoscopy procedures on patients in the clinical daily routine or even outside of regular working hours
- Does not require patient preparation and can be used immediately if bleeding is suspected
- Different areas of applications (e.g. endoscopy, emergency room or ICU)
- Integrated microsensor with photometric measuring method for blood detection
- Detection of blood even in small volumes in the lumen
- Safe telemetric data transmission in real time for immediate assessment of findings

..... Application

Positive HemoPill® finding

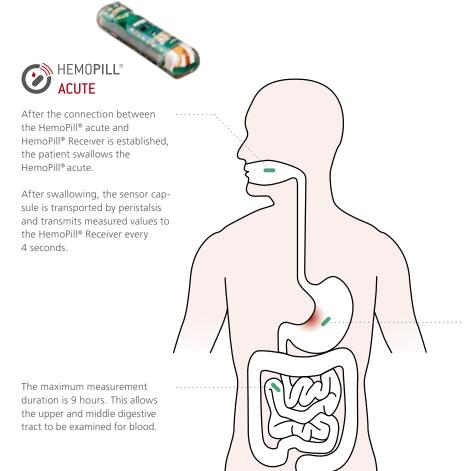
Indication for immediate endoscopy and treatment



20 minutes after swallowing the HemoPill® acute, a significant increase in the HI value was observed. This indicated acute bleeding in the upper digestive tract.

The examination using the HemoPill® was completed after 43 minutes and a gastroscopy was performed immediately. This showed a bleeding angiodysplasia in a gastrojejunal







HEMOPILL® RECEIVER

Using the HemoPill® Indicator (HI value), which is shown on the HemoPill® Receiver, acute bleeding is detected immediately during the examination.

A positive result (displayed in the red area of the diagram) means that liquid blood (or haematin) has been detected.

Negative HemoPill® finding

Postponing or avoiding emergency endoscopy

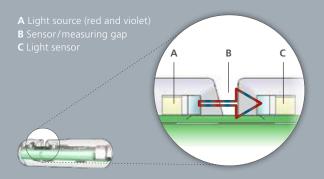


Excluding upper GI bleeding

No increase in the HI value was observed after the capsule was swallowed.

Further differential diagnostics identified an aortic dissection as the cause of the anaemia detected in the emergency room. This meant that the patient did not need to undergo an endoscopy.

Sensor principle



The HemoPill® acute capsule has a measuring gap that is supplied alternately with red and violet light.

Depending on the medium in the measuring gap (e.g. blood, gastric juice), the light beam is absorbed to varying degrees. If blood is detected, this results in a high HI value, i.e. HI ≥ 0.8 within 10 minutes of HI > 1.0 from 10 minutes after swallowing

HemoPill®



Ø 7,0 mm

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Details and components

The product line consists of a sensor capsule and a portable receiver for immediate detection of acute bleeding in the oesophagus, stomach and small intestine.



Small, swallowable capsule with optical sensor

- Blood detection by direct measurement of blood in the sensor gap, even in an unprepared digestive tract
- Wireless transmission of measured values to the HemoPill® Receiver
- Maximum measuring time: 9 hours
- Length: 26.3 mm; max. diameter: 7.0 mm
- Sterile single-use product

Ref. no. 500.01



Portable receiver for displaying and storing measured values from the HemoPill® acute

- Measured values displayed in real time
- Colour display & touchscreen
- User-friendly handling with integrated battery
- Easy data access with straightforward menu navigation

Ref. no. 500.20

Accessories

HemoPill® Printer

Thermal printer for printing findings

- Connection via USB port
- Print quality maintained for up to 25 years with special thermosensitive paper

Ref. no. 500.30





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Not for sale in the U.S.A. yet.

Ovesco Endoscopy AG is a medical device company specialising in the fields of telemetric

www.ovesco.com

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