

# A new biomarker for early diagnosis of intestinal ischemia

intestinal ischemia / biomarker / hormone / clinical diagnosis / health



## CONTEXT

The vital prognosis of intestinal ischemia (sharp increase in blood flow towards the digestive tract) largely depends on its rapid diagnosis (mortality rate from 60% to 80%).

We have recently identified a natural hormone that significantly increases in patients suffering from intestinal ischemia. This discovery allowed the qualification of this hormone as an early biomarker of intestinal ischemia.

## DESCRIPTION

The said marker presents the characteristics of an ideal biomarker: precocity, sensitivity, produced by the intestine and measurable in the bloodstream.

Quantitative detection tests are already commercialized for research use only and could be extended to a new market: clinical diagnosis.

A rapid and reliable prognosis of this pathology would allow a better management of patients with intestinal ischemia and would therefore increase their survival rate.

## COMPETITIVE ADVANTAGES

- Specifically early stages biomarker for intestinal ischemia
- First reliable biomarkers of intestinal ischemia
- More specific and sensitive than current used biomarkers
- Already available for quantitative detection tests (for research use only)



## Markets & applications

Health - diagnosis:

- ❖ clinical diagnosis of mesenteric ischemia
- ❖ companion test associated with some therapies



## Development stage

**Clinical results:** increased biomarker plasma levels were observed in a preclinical mouse model with intestinal ischemia - increased levels of said biomarker were also seen after generating experimentally intestinal ischemia in human



## Research team

Laboratory Lipids, Nutrition, Cancer  
University of Burgundy - INSERM



## Intellectual property

French patent filed on Sept. 20<sup>th</sup>, 2016, & PCT Extension on March 28<sup>th</sup>, 2017 (national phases ongoing: EU, US, CN, JP, CA)



## Target partnership

Patent licensing

## CONTACT-US

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