

PRESS RELEASE

Berlin, March 9, 2017

**By-Health launches dietary supplement based on ingredient from German biotechnology company Organobalance**

*Successful digestive health ingredient Pylopass™ to be used in dietary supplement on the Chinese market.*

**Berlin, Germany and Guangzhou, China** – The leading Chinese dietary supplement provider By-Health has launched *Hericum Erinaceus & Lactobacillus Reuteri*, a digestive health product based on Organobalance's proprietary ingredient Pylopass™.

"We are glad to be collaborating with By-Health who will use Pylopass™ in its product portfolio. This gives the Chinese people access to an effective and natural way to control the pathogenic stomach bacterium *Helicobacter pylori*", says Professor Christine Lang, microbiologist, founder and General Manager of Organobalance, the German biotechnology company that developed Pylopass™ and is already selling the product in most European, American and Asian markets.

In China, 60-80% of the population is infected with *H. pylori*.<sup>1</sup> "The ratio is much higher than in Western countries, which is mainly related to the living environment and habits in China. With increasing awareness of health and the popularity of health checks, people are increasingly concerned about the harm of *H. pylori*. Our newly launched *Hericum Erinaceus & Lactobacillus Reuteri* uses Pylopass™ as a core ingredient, which reflects By-Health brand concept of exploring excellent nutrition globally, to meet the health needs of Chinese consumers," says Zhang Xuguang, Director, By-Health Science and Technology Center.

"We identified the Pylopass™ strain with its unique properties out of our large microbial strain collection with several thousand strains," says Professor Christine Lang. "Unlike conventional therapies which can harm the human microbiome, Pylopass™ is highly specific and binds and removes the carcinogenic stomach bacteria, lowering the *H. pylori* load while keeping the natural gut microbiota balance intact."



In addition, resistance against the most commonly used antibiotics for conventional treatment of *H. pylori* has been increasing strongly during the last 15 years in China from 10-15% in 2000 to 50-60% in 2014, lowering the success rate of antibiotic therapies significantly<sup>2</sup>. Several clinical studies demonstrated that Pylopass™ reduces the colonization of *H. pylori* in the stomach and prevents gastritis and peptic ulcers (if untreated these can lead to gastric cancer)<sup>3</sup>.

"New studies show that Pylopass™ can not only reduce the colonization of *H. pylori* in the stomach, but also improve the symptoms associated with a gastritis and increase the efficacy of the pharmaceutical treatment"<sup>4</sup> adds Organobalance's Commercial Director Gilles Jequier.

<sup>1</sup> Nagy et al (2016); Zhang et al (2014).

<sup>2</sup> Thung et al (2015).

<sup>3</sup> Mehling H & Busjahn A. (2013); Holz C et al. (2014); Bordin DS et al. (2016).

<sup>4</sup> Parolova Ni, Kornienko EA et al. (2015); Uspenskiy YP et al. (2016).



## ORGANO BALANCE

### **About Organobalance:**

Organobalance is a biotechnology research and development company that was founded in 2001 and is located in Berlin. Organobalance offers branded health ingredients based on probiotic bacteria cultures and yeast production strains for use in industrial biotechnology. The company owns a proprietary strain collection of yeast and lactobacillus cultures, some of which date back to the 1920s. This unique resource combined with the company's capabilities in screening and microbial engineering have led to the development of the anti-*Helicobacter pylori* ingredient Pylopass™. In September 2016, Organobalance was acquired by the Danish company Novozymes A/S. For more information, please visit <http://www.organobalance.de/en/> or <http://www.pylopass.com>

### **About By-Health:**

By-Health Co. Ltd. is a leading dietary supplement provider and benchmarking enterprise in China. Established in October 1995, By-Health went on public listing on the GEM in Shenzhen Stock Exchange in 2010. By-Health has been exploring excellent nutrition globally with its raw materials being imported from 23 countries. The company produces high-quality products for our family members and friends rather than customers. The company has established a comprehensive and scientific dietary supplements system, including protein, vitamin, mineral series, natural animal and plant extracts, and other functional dietary supplements. For more information, please visit <http://www.by-health.com/>