



w trosce o Wasze zdrowie

General requirements in competition for best offer to select supplier of:

- 1. Dynamic, gastrointestinal model consisting of stomach and small intestine.**
- 2. Dynamic, gastrointestinal model consisting large intestine.**
- 3. Reagents for dynamic, gastrointestinal model consisting of stomach and small intestine**

- 1.1 The model is supposed to enable the research on digestion and fermentation process of different dietary supplements and the estimation of bioavailability of active compounds resulting from digestion.
- 1.2 Dynamic, computer-controlled gastrointestinal model consisting of stomach and small intestine as a part of the complete set, should enable the most accurate simulation of the dynamically changing conditions during simulation of ingestion of water, test products or the combination of food and test products. The conditions are meant to be adequate to the type of food, age and health.
- 1.3 Dynamic, computer-controlled gastrointestinal model consisting of large intestine as a part of the complete set, should enable accurate simulation of the dynamically changing conditions in the lumen of large intestine (among others: pH change, peristaltic movements, water absorption and microbiota metabolites) after application of efflux from small intestine or products without initial digestion. The system should mimic with the highest accuracy microbiota and microbiota response in anaerobic environment for different substances with or without initial digestion in long- and short-term study.
- 1.4 Reagents for dynamic, gastrointestinal model consisting of stomach and small intestine:
 - growth media simulating typical composition of the human digestive tract, including necessary digestive enzymatic components as well as all related products essential for simulating digestion process.
 - supplier will provide the list of the growth media dedicated to a different physiological conditions.
- 1.5. The citation list of scientific application for the aforementioned model must be provided.
- 1.6. Supplier will provide warranty for minimum of 12 months with option of extension for 12 or 24 months.
- 1.7. Supplier guarantees availability of authorized service during warranty (min. 12 months) and post-warranty period (min. 12 months).
- 1.8. Supplier will transfer technical documentation necessary for the use of the equipment.

Interested suppliers are requested to read all “Warunki Postępowania – Terms and conditions” and all attached documents. All offers must be made as required in these document.