

Bio-Competence Centre of Healthy Dairy Products LLC

English name: **Bio-Competence Centre of Healthy Dairy Products LLC**
Original name: **Bio-Competence Centre of Healthy Dairy Products LLC**

Kreutzwaldi 1
51014 Tartu
Estonia

Industry is SME

Website

www.tptak.ee/english/

Related Technology Datasheet

For industry

Food production
Feed production
Consulting
Product development

For research organisation

(Food) physics
Biotechnology

For Others

Technology transfer and dissemination

Related Facility Datasheet

Technology

Application field

Equipment available

Incorporation of prebiotics and probiotics to food and silage

CC performs clinical trials and physiological research on the effect of foodstuffs, animal feed, animal feed additives and food supplements on the health and physiological parameters of animals and humans and on the quality of the products. CC is multifunctional centre, capable of providing an integrated approach starting with consultations related to product composition and its suitability for testing with the aim to improve its properties, to clinical and animal physiology tests.

Feeding strategies for omega-3 milk

Laboratory for preparation freeze-dried bacterial cultures: scientific studies of new probiotic strains - documenting of growth parameters, optimization of technology, testing of cryoprotectants, and shelf-life of freeze-dried bacterial cultures etc.

Laboratory of silage microbiology: Microbiological analyses of silage, isolation of new strains, collection of silage bacteria, analysis of the results of physiological testing (microbial supplement fed to calves) etc. The plan is to implement new methods

Bio-Competence Centre of Healthy Dairy Products has filled requirements of EN ISO/IEC 17025:2005 as testing laboratory in the field of food and feeding stuffs microbiological analyses and blood immunoassays.

Accreditation scope has given:

1. Horizontal method for the enumeration of coliform in food and animal feeding stuff. ISO 4832:2006
2. Horizontal method for the enumeration of yeast and moulds in food and animal feeding stuff. Part 1: Colony count technique in products with water activity greater than 0.95. ISO 21527-1:2008
3. Horizontal method for the enumeration of yeast and moulds in food. Part 2: Colony count technique in products with water activity less or equal to 0.95. ISO 21527-2:2008
4. Horizontal method for the detection and enumeration of Enterobacteriaceae in food and feeding stuff. ISO 21528-2:2004
5. Horizontal method for the enumeration of β -glucuronidase positive Escherichia coli in food and animal feeding stuff. ISO 16649-2:2001
6. Horizontal method for the enumeration of mesophilic lactic acid bacteria in food – colony-count technique at 30 °C. ISO 15214:1998
7. Isolation and enumeration of Lactobacillus spp. in animal feeding stuff. ISO 15787:2009
8. Horizontal method for the enumeration of microorganisms in food. Colony-count technique at 30°C. EVS-EN ISO 4833:2006
9. Method for the assessment of the survival and the stability of the active component of silage additives based on lactic acid bacteria.
10. Method for the detection and enumeration of Clostridium spp in animal feeding stuff.
11. Immunoassays with EVIDENCE INVESTIGATOR

Name	Function	E-Mail	Expertise
Andre Veskioja	Technologist	Send E-Mail	Food technology, functional food
Epp Songisepp	Senior Research Fellow	Send E-Mail	Food and Feed microbiology
Meelis Ots	Senior Research Fellow	Send E-Mail	Feeding (Silage), Breeding
Pirje Hütt	Research Fellow	Send E-Mail	Human clinical trials

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Food technology, functional food

Source:

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