news from biocrates

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Focus articles

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- Cholesterol metabolism in Alzheimer's disease
- Prediction of bladder cancer progression

Short-chain fatty acid PLUS assay

New at biocrates

Short-, and medium-chain fatty acids covering up to 19 analytes, are now a part of the biocrates assay portfolio. Although this assay is one of the most comprehensive assays on the market, you can expect the same reproducibility and reliability as any other biocrates kit or assay.

The joint analysis of short-chain fatty acids (SCFAs) and medium-chain fatty acids (MCFAs) can provide crucial insights into the diet-microbiome-host interaction, energy homeostasis, and health status. SCFAs and MCFAs are also signaling molecules involved in the regulation of carbohydrate and lipid metabolism. Dysregulation of these SCFAs and MCFAs can result in a wide range of disorders including diabetes, neurodegenerative diseases, and cancer.

Read more

Virtual event: Short- and medium-chain fatty acids – Key metabolites in the study of microbiome, diet, and the gut-immune axis

December 09, 2021, 04:00 pm CET (10:00 am EST)

Interested in learning about the microbiome, diet, and the gut-immune axis?
Join Dr. Barbara Ustaszewski for a virtual event discussing how microbiota impact the gut-immune axis through short- and medium-chain fatty acids. The event will highlight how these key metabolites act as signaling molecules for a healthy metabolism and how they reveal insights into the cross-talk between diet, microbiota, and energy metabolism.

Register

Metabolite of the Month

Isovaleric acid

In this section, our scientists look at one specific metabolite each month. Topics of discussion include the biosynthesis role in a broader health context, and the effect of dysregulation. In this month´s article, we took a closer look at isovaleric acid, a five-carbon branched short-chain fatty acid responsible from the smell of rancid cheese.

Read article

Focus articles

Shared below are recently published metabolomics articles.
For a more comprehensive collection please take a look at our Literature section.

Animal Health
Targeted metabolomics, a tool to monitor sow and piglet health

Sounds interesting

Epidemiology
Cholesterol metabolism in Alzheimer's disease

Sounds interesting

Oncology
Prediction of bladder cancer progression

Sounds interesting

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