

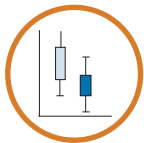
MetaboINDICATOR™

Translate Metabolomics into Knowledge

Calculating and understanding metabolite sums and ratios can make your biological data interpretation easier and more comprehensive. That is why we created the MetIDQ™ software add-on tool MetaboINDICATOR™. Give your data meaningful impact and find out how metabolite sums and ratios are associated with related biochemical pathways.

MetaboINDICATOR™ is more than an additional dimension to your data analysis; it unravels the scientific context behind your data. All in one click.

Your Benefits



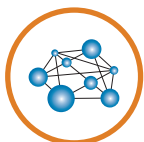
Sharpen your data quality

- Increase confidence by higher statistical power
- Find subtle differences between groups
- See patterns in the data you missed before



Expand your data readout

- Use over 230 predefined sums and ratios
- Create your own metabolism indicators and include them in your analysis
- Unravel relations between metabolite concentrations



Advance pathway interpretation

- Access underlying enzyme activities
- Study relevant pathways instead of metabolites



Let your data tell the story

- Established institutional knowledge
- Access scientific references in one click
- Supports biomedical interpretation

Case Studies



Neuroscience & bile acids

The ratio of deoxycholic acid to cholic acid in serum and brain tissue is strongly increased in patients with Alzheimer's disease.¹⁾



Cardiology & phospholipids

The lysophospholipid (LPC): phospholipid (PC) ratio is significantly lower in cardiovascular disease patients compared with healthy controls. This indicates an impaired activity of the enzyme phospholipase A2, which hydrolyzes PCs to LPCs.²⁾



Gut microbiota & trimethylamine N-oxide (TMAO)

TMAO is produced by gut microbiota. It is associated with atherosclerosis and propionic acidemia. The ratio TMAO/(betaine + carnitine + choline) is a measure of TMAO biosynthesis.³⁾

References: ¹⁾ MahmoudianDehkordi et al. 2019. ²⁾ Paapstel et al. 2018 ³⁾ Kanitsoraphan et al. 2018