

[Open Peer Review on Qeios](#)

# Metabolomics

National Cancer Institute

## Source

National Cancer Institute. *Metabolomics*. NCI Thesaurus. Code C49019.

Metabolomics is the study of the biological metabolic profile of a cellular specimen in a specific environment at an isolated timepoint. This discipline depicts the physiological states of cells and organisms by focusing on carbohydrates, lipids, and other metabolites. Several analytical techniques are utilized to quantify the metabolic content of specimens such as mass spectrometry and electrophoretic applications.