

Neurotransmitter Targeted Metabolomics

Neurotransmitters are chemical messengers enabling communication between neurons and other cells, crucial for mood, cognition, motor control, and physiological functions. MetwareBio's neurotransmitter targeted metabolomics service offers simultaneous absolute quantification of 57 neurotransmitters.



Absolute Quantitation

57 external & 45 internal standards, $r > 0.99$



High Sensitivity

ng/ml concentration can be detected



Wide Coverage

Covering 57 neurotransmitters

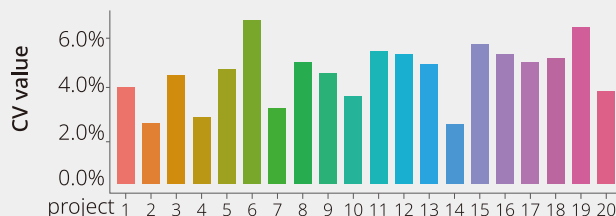
List of Neurotransmitters

Tyramine	Serine
Tryptamine	Aspartic Acid
3-Methoxytyramine	Glutamic Acid
Metanephrine hydrochloride	Leucine
Homovanillic Acid	Phenylalanine
Acetylcholine	Threonine
Choline	Kynurenine
3-Phenylpyruvic Acid	Lysine
Betaine	Xanthurenic Acid
Succinic Acid	Tyrosine
Glycine	Glutathione
Histidine	Serotonin
Arginine	...

contact for a full list

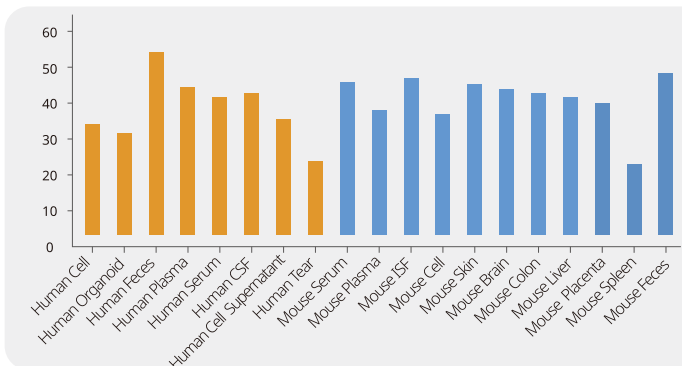
High Stability

The detected metabolites showed a coefficient of variation (CV) of less than 7% in mixed QC samples.



Project Experience

A total of 55 metabolites could be detected from various samples, with an average detection of 40 metabolites



Number of detected metabolites in different sample types.

METWAREBIO



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