

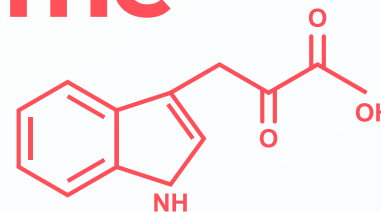


Biofluid Microbiome Panel

Gut microbiota-derived metabolites are the result of a complex interaction between diet, gut microbiota and host. Increased production of these compounds by the gut microbiota and reduced clearance in kidney disease can lead to toxicity affecting nearly all systems in the body.

Applications

- ▶ Biopharmaceutical modulation of the host microbiome
- ▶ Nutraceuticals & probiotics
- ▶ Dietary intervention
- ▶ Bacterial product development
- ▶ Gut health & wellness
- ▶ Basic microbiome research
- ▶ Kidney function
- ▶ Cardiovascular diseases



Analyte	LLOQ*	
	Plasma	Urine
4-Ethylphenyl sulfate (4-EPS)	1.00 ng/mL	1.00 ng/mL
p-Cresol sulfate (pCS)	25.0 ng/mL	50.0 ng/mL
Indolepyruvate	50.0 ng/mL	-
Imidazolepropionate (IPA)	3.00 ng/mL	15.0 ng/mL
N-Acetylserine	7.50 ng/mL	5.00 ng/mL
3-Carboxy-4-methyl-5-propyl-2-furanpropionic acid (CMPF)	5.00 ng/mL	2.50 ng/mL
3-Hydroxyhippurate (HHA)	2.00 ng/mL	20.0 ng/mL
3-Hydroxyphenylacetate (HPAA)	2.00 ng/mL	2.50 ng/mL
3-(3-Hydroxyphenyl)-3-hydroxypropionate (HPPA)	0.750 ng/mL	20.0 ng/mL
3-Indoxyl sulfate	40.0 ng/mL	50.0 ng/mL
3-(4-Hydroxyphenyl)propionate (HPPA)	0.500 ng/mL	0.500 ng/mL
p-Cresol glucuronide (pCG)	2.00 ng/mL	10.0 ng/mL

*Lower Limit of Quantitation (LLOQ) varies for each sample type

Analysis Method and Instrumentation

LC-MS/MS (Agilent 1290 UHPLC/Sciex QTrap 5500)

Sample Type and Required Amounts

Sample Type	Sample Requirement
Plasma	150 - 200 µL
Urine	150 - 200 µL

Others on request

Contact us to get started
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