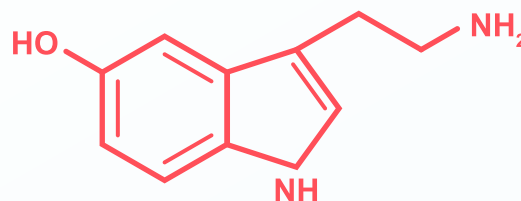




Neurotransmitters and Hormones



Serotonin, dopamine, norepinephrine (noradrenaline) and epinephrine (adrenaline) function as signaling messengers, neurotransmitters, and hormones, regulating various physiological processes and bodily functions. In the brain, they control mental behavior patterns, sleep, vigilance, action, reward, learning and memory processes, motor function, as well as metabolism and emotional well-being. As such, they are fundamental to healthy brain function. Imbalances of these chemicals can cause several mental health disorders, including depression and schizophrenia, as well as epilepsy. Various signaling modules of these neurotransmitters have been targeted for developing of therapeutics for the relief of different medical and mental conditions.

Applications

- ▶ Neurological disorders
- ▶ Health & wellness
- ▶ Gut health and wellness

Panel	LLOQ
	Plasma/Serum & CSF
Serotonin	150 pg/mL
Dopamine	50.0 pg/mL
Norepinephrine	10.0 pg/mL
Epinephrine	10.0 pg/mL

The panel is for non-GxP testing and is not for diagnostic use

Analysis Method and Instrumentation

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

Sample Type and Required Amounts

Sample Type	Sample Requirement
CSF	250 - 300 µL
Plasma/Serum	250 - 300 µL
Others on request	

Contact us to get started
info@metabolon.com

+1 (919) 572-1711

metabolon.com

617 Davis Drive, Suite 100, Morrisville, NC, 27560

© 2021 Metabolon, Inc. All rights reserved. TA.NH.211111