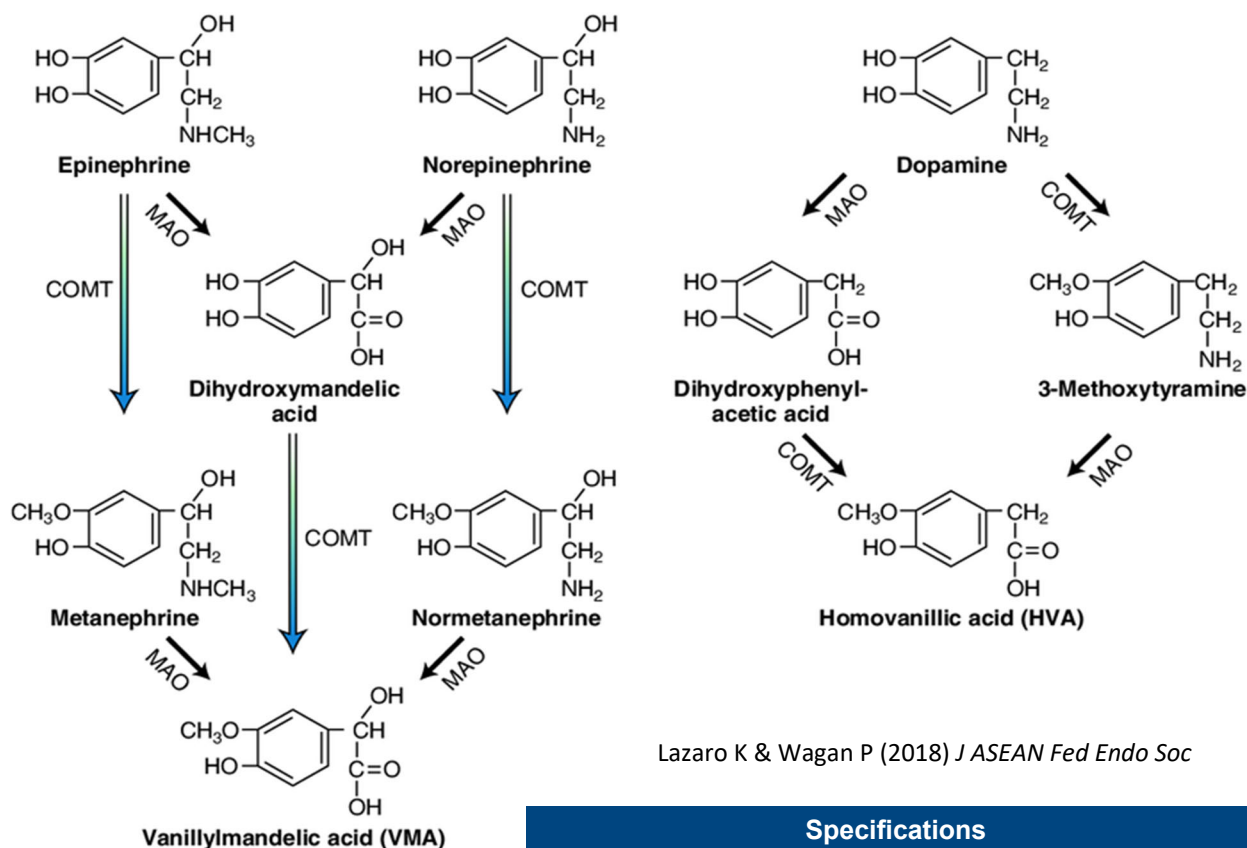


Bioanalytics, Metabolomics, and Pharmacokinetics Shared Resource (BMPK)

Catecholamines in Plasma and Urine

BMPK has validated a highly sensitive liquid chromatographic tandem mass spectrometry assay (LC-MS/MS) for the analysis of several catecholamines for use in sodium heparin human plasma, lithium heparin mouse plasma, and in urine samples. The assay supports both preclinical and clinical research involving the effects of these stress hormones on the immune system and anti-tumor activity.



Lazaro K & Wagan P (2018) J ASEAN Fed Endo Soc

OH Vanillylmandelic acid (VMA)					Specifications						
					Required Volume: Detection Type:	100 µL for plasma or urine Tandem Mass Spectrometry (MS/MS)					
	Plasma										
	DHPG	E	NE	MN	NMN	DA	5-HT	3-MT	HVA	VMA	5-HIAA
Method 1	✓	✓	✓	✓	✓	✓	✓	✓			
	Urine										
	DHPG	E	NE	MN	NMN	DA	5-HT	3-MT	HVA	VMA	5-HIAA
Method 1	✓	✓	✓	✓	✓						
Method 2						✓	✓	✓	✓	✓	✓

BMPK offers a wide range of bioanalytical and PK/PD modeling services to assist investigators in their basic research, preclinical, and clinical study objectives. For information on services and pricing, contact Joshua Prey, MS, Research Project Administrator, at (716) 845-3313 or Joshua.Prey@RoswellPark.org

