

PHARMACOGENOMICS TEST TO BETTER MANAGE ATTENTION-DEFICIT HYPERACTIVITY DISORDER (ADHD)

7 Genes

PGxOne™ Plus is a pharmacogenomics test that can help predict how a patient will respond to drug therapy based on individual genetic makeup.

- Genetic variants affect drug absorption, metabolism and activity. Results guide effective treatment decisions, potentially reducing adverse drug events (ADEs) and trial-and-error drug selection and dosing.
- Provides recommendations for over 300 commercial drugs, including the most frequently prescribed ADHD drugs.
- Cutting-edge Next Generation Sequencing (NGS) technology enables comprehensive coverage of ~200 genetic variants in 50 genes.
- Delivers medically actionable recommendations in an easy to interpret report.

Core ADHD symptoms include*:

- Persistent Inattention
- Hyperactivity/Impulsivity

Core ADHD features manifest before age 12, with symptoms being present in at least in two or more settings (home, school or work) and resulting in functional impairment.

ADHD Gene Panel

CES1	COMT	CYP2C19	CYP2D6
DRD1	FAAH	OPRM1	



Recommendations for ADHD medication include:

- Atomoxetine (Strattera®)
- Dextroamphetamine IR (Dexedrine®)
- Dexmethylphenidate IR (Focalin®)
- Dextroamphetamine/Amphetamine IR (Adderall®)
- Lisdexamfetamine (Vyvanse®)
- Methamphetamine (Desoxyn®)
- Methylphenidate IR (Ritalin®)
- Imipramine (Tofranil®)
- Nortriptyline (Pamelor®)

*Diagnostic and Statistical Manual of Mental Disorders (DSM-5)



PGXOne™ Plus



PGXOne™ Plus provides comprehensive coverage for major therapeutic areas.

[50 Genes]

Target Genes and Select Therapeutic Areas

Therapeutic Area	ABCB1	ACE	ADRA2A	AGTR1	ANKK1	APOE	ATM	CDA	CES1	CNR1	COMT	CYP1A2	CYP2B6	CYP2C19	CYP2C8	CYP2C9	CYP2D6	CYP3A4	CYP3A5	CYP4F2	DRD1	DRD2	ERCC1	F2	F5	FANB	GFYD	GRIN4	GSTP1	HLA-B	HTR1A	HTR2A	HTR2C	IFNL3	ITPA	KIF5	MTHFR	NAT2	NOS1AP	NOO1	OPRM1	SCN2A	SLEB4	SLEGB1	TPM1	UGT1A1	UGT2B15	VRORC1	VRORC1	VRORC1	Total # of Genes*
Anesthesiology																																																			4
Cardiology																																																		16	
Dentistry																																																		1	
Endocrinology																																																	4		
Gastroenterology																																																4			
Gynecology																																																3			
Hematology																																																1			
Infectious Diseases																																																10			
Immunology																																															9				
Neurology																																															9				
Oncology																																															15				
Ophthalmology																																															1				
Pain Management																																																9			
Psychology																																																23			
Respiratory																																																1			
Smoking Cessation																																																2			
Supplements																																																1			
Toxicology																																																3			
Urology																																																2			
Weight Management																																																	2		



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