

Autism Diagnostic Lab

3805 E Bell Rd Ste 4300
Phoenix, AZ 85032
CLIA ID: 03D2338119

Medical Director: Bruce T. Burks, MD



Appointment #:	APT26-000138	Patient ID:	PID000134
Patient Name:	John Doe	Date & Time of Specimen Collection:	09/12/2026 08:00 AM
Date of Birth:	01/01/2020	Date & Time of Registration:	09/21/2026 12:55 PM
Gender:	M	Report Approved:	09/21/2026 01:06 PM
Age:	6 years	Report Version:	v0
Practitioner:	N/A		

MDM™ Gut and Brain Health Test Result					
Analyte	Result	Unit	Reference Range		Flag
Bacterial Markers					
Tryptophan (Serotonin/Melatonin related) Metabolism					
2-Hydroxyphenylacetic acid	2.00	ng/mg Cr	1.01 – 60.20		★
3-Indole propionic acid	50.00	ng/mg Cr	12.74 – 61.54		★
3-Indoleacetonitrile	4.00	ng/mg Cr	5.44 – 140.50		★
5-Methoxyindole-3 acetic acid	10.00	ng/mg Cr	1.00 – 24.62		★
Indole-3-acetic acid	10.00	ug/mg Cr	0.62 – 10.41		★
Indole-3-acroylglycine	0.100	ug/mg Cr	0.005 – 0.020		H !
Indole-3-carboxaldehyde	0.150	ug/mg Cr	0.026 – 0.169		★
indole-3-lactic acid	0.500	ug/mg Cr	0.057 – 0.816		★
Indoxyl sulfate	350.00	ug/mg Cr	33.21 – 248.50		H !
Methylindole-3-acetic acid	2.00	ng/mg Cr	6.30 – 170.20		★
Tyrosine/Phenylalanine (Dopamine, Noradrenaline, and Adrenaline related) Metabolism					
Hippuric acid	100.00	ug/mg Cr	10.88 – 762.80		★
HPHPA	5.00	ng/mg Cr	0.01 – 1.21		H !
p-Cresol sulfate	5.00	ug/mg Cr	1.94 – 241.90		★
p-Ethylphenyl sulfate	2.00	ug/mg Cr	0.04 – 3.10		★
Phenylacetylglutamine	100.00	ug/mg Cr	76.18 – 758.70		★

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Yeast Markers					
1-Methyl-1,2,3,4-tetrahydro-carboline-3-carboxylic acid	0.500	ug/mg Cr	0.040 – 0.492		H !
Arabinitol	10.00	ug/mg Cr	0.90 – 3.66		H !
Citramalic acid	5.00	ug/mg Cr	0.89 – 9.25		★
Tartaric acid	5.00	ug/mg Cr	2.36 – 35.20		★
Tricarballic acid	5.00	ug/mg Cr	0.64 – 15.11		★
Amino acids*					
Creatinine	350.0	mg/L	300.0 – 3000.0		★
PHE/TYR*	0.25		0.02 – 0.50		★
Phenylalanine (PHE)	5.00	ug/mg Cr	1.31 – 24.25		★
Tryptophan	20.00	ug/mg Cr	2.43 – 36.12		★
Tyrosine (TYR)	20.00	ug/mg Cr	19.99 – 98.89		★
Oxidative Stress Markers					
8-Hydroxy-2'-deoxyguanosine (8-OHdG)	0.500	ug/mg Cr	0.020 – 0.170		H !
Neopterin	2.000	ug/mg Cr	0.040 – 0.300		H !
Neurotransmitters					
Gamma-aminobutyric acid (GABA)	0.040	ug/mg Cr	0.090 – 0.440		L !
Kynurenine Pathway					
Kynurenic acid (KYNA)	5.00	ug/mg Cr	1.36 – 8.37		★
Kynurenine	1.00	ug/mg Cr	0.12 – 2.09		★
QUIN/KYNA*	1.00		0.27 – 1.61		★

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Quinolinic acid (QUIN)	5.00	ug/mg Cr	1.16 – 6.50		★
Vitamins					
Nudifloramide	20.00	ug/mg Cr	8.57 – 54.19		★

* Amino acids and calculated ratios are shown for reference and are excluded from the MDM Dysbiosis Score.

Cr: Creatinine — results are normalized to urinary creatinine

Reference Range Key

Normal Caution Flag Severely high Severely low Patient value

Green = within the reference range. Yellow = caution (just outside a reference limit). Red = outside the reference range (flagged). Purple = severely above it. Most metabolites are assessed on the high side only, so their bar runs from normal on the left to severe on the right. Where the low side is also clinically meaningful the bar has normal in the middle and a low result is flagged in red. Dark red marks a severely low creatinine, which indicates a dilute specimen and reduces confidence in every creatinine-normalized value on this report. The diamond marks the patient's value.

MDM Dysbiosis Score

Score: **8 / 27 metabolites out of range** (30%)

Number of elevated bacterial MDM's: **3**

Number of elevated yeast MDM's: **2**

Total number of elevated MDM's: **7**

Flagged Normal

Report Status: REPORT APPROVED
Generated: 09/21/2026 01:06 PM (v0)

This report contains confidential health information. Please handle with care.
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3805 E Bell Rd Ste 4300, Phoenix, AZ 85032