

TEST CHANGE – METHODOLOGY

Notification Date: 1/27/2025

Effective Date: 2/26/2025

Test Name: Aspartate Aminotransferase (AST), Plasma or Serum

Test ID: LAB131

Explanation: On the effective date, Aspartate Aminotransferase (AST) will be upgraded to a new methodology to align with the International Federation for Clinical Chemistry standards.

Please note there is a 25% positive bias in results at the mid to upper end of the measuring range between the current and new method.

Current Method – Vanderbilt Hospital Laboratory

Enzymatic: NADH (without Pyridoxal-5'-Phosphate)

New Method – Vanderbilt Hospital Laboratory

Enzymatic: NADH (with Pyridoxal-5'-Phosphate)

Current Reference Value

0-15 days = 32 – 162 U/L
 15 days - <1 year = 20 – 67 U/L
 1 year - <7 years = 21-44 U/L
 7 years - <12 years= 18-36 U/L
 12 years – 19 years = 13-35 U/L
 ≥ 19 years = 5-40 U/L

New Reference Value

0 - <15 days = 40-175 U/L
 15 days - <1 year = 28-177 U/L
 1 year - <7 years = 29-53 U/L
 7 years - <12 years = 26-45 U/L
 MALE 12 years - <18 years = 22-44 U/L
 FEMALE 12 years - <18 = 21-34 U/L
 MALE ≥18 years = 10-50 U/L
 FEMALE ≥18 years = 10-35 U/L

Questions: Please get in touch with Vanderbilt Medical Laboratories Customer Service at 615-875-5227 (5-LABS) or 800-551-5227 or visit our website: [Home | Vanderbilt Medical Laboratories \(vumc.org\)](http://Home | Vanderbilt Medical Laboratories (vumc.org))