



LABORATORY REPORT

QC ACCOUNT (WARDE)
300 W. TEXTILE
ANN ARBOR MI 48108

EXAMPLE, REPORT
WX0000000237 F 12/05/1988 37 Y

Referral Testing

Collected: 12/16/2025 08:43 Received: 12/16/2025 08:43

Test Name Result Flag Ref-Ranges Units Site

Dextromethorphan/Levomethorphan & Metabolite Ratio-Total, U

Dextrorphan/Levorphanol - Total None Detected uMol NMRL

Reporting Limit: 0.388 uMol
Dextrorphan is a metabolite of dextromethorphan, an over the counter antitussive.
Levorphanol is an analgesic indicated for the relief of moderate to severe pain. Its potency is approximately four to five times that of morphine.
This test does not differentiate between dextrorphan and levorphanol.
Analysis by High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS)

Dextro/Levo Methorphan - Total None Detected uMol NMRL

Reporting Limit: 0.0368 uMol
This test does not differentiate between dextromethorphan and levomethorphan.
Analysis by High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS)

Metabolic Ratio See Comment NMRL

Comment:
Unable to calculate
Typically, if the metabolic ratio is greater than 0.30 patients are considered to have a deficiency in CYP2D6 expression, while a metabolic ratio less than 0.30 categorizes them as an Extensive Metabolizer (normal).
Analysis by High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS)
This test was developed and its performance characteristics determined by NMS Labs. It has not been cleared or approved by the US Food and Drug Administration.
Digital data review may have taken place remotely by qualified NMS staff utilizing a secure VPN connection for some or all of the reported results. This is in accordance with and follows CLIA regulations.

Testing performed at NMS Labs, Inc.
200 Welsh Road
Horsham, PA 19044-2208
Robert A. Middleberg, PhD, F-ABFT, DABCC-TC, Laboratory Director
CLIA 39D0197898

Reported Date: 12/16/2025 08:44 UDLMR

Performing Site:
NMRL: NMS Labs 200 Welsh Road Horsham PA 19044

LAB: L - LOW, H - HIGH, AB - ABNORMAL, C - CRITICAL, . - NOT TESTED

E416000004 Ordered By: CLIENT CLIENT
WX0000000237 WX00000000000511
Printed D&T: 12/16/25 08:44

Kajal V. Sitwala, MD, PhD - Medical Director
Form: MM RL1
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