

Louisiana Office of Public Health Laboratories	
Test Name	NeoBase non-derivatized MSMS Kit
PHL Location	Central Laboratory 1209 Leesville Avenue Baton Rouge, Louisiana 70802
CPT Code	83788
Synonyms	MSMS
Brief Description of Test	Measurement and evaluation of amino acids, succinylacetone, free Carnitine, and Acylcarnitines concentrations from newborn heel prick blood samples dried on filter paper.
Possible Results	Normal (Within Normal Limits) Abnormal (Presumptive Positive)
Reference Range	Normal no Elevations
Specimen Type	Neonatal Dried Blood Spot
Specimen Container(s):	Standard letter size manila envelopes can be used for shipping
Minimum volume accepted:	Minimum of 2 completely filled blood spot circles
Collection Instructions	Blood specimens should be taken directly from a heel prick onto filter paper. See web address below http://www.lidh.louisiana.gov/index.cfm/page/488
Storage and Transport Instructions	Allow the blood specimen to air-dry in a horizontal position for at least 3 hours at ambient temperature (+18 to +25 °C), not in direct light. Do not heat or stack the specimens during the drying process. Transport or mail the specimen to the laboratory within 24 hours after collection, unless otherwise directed by the screening laboratory.
Causes for Rejection	Specimen > 14 days old, clotted or layered, serum rings, scratched or abraded, insufficient quantity for testing, not completely dry before mailing, blood applied to both sides of the filter paper, diluted discolored or contaminated, collection using capillary tubes containing EDTA, >12 months old, circles not completely filled.
Limitations of the Procedure	Samples spot not uniformly saturated with blood - sample spots punched too close to the edge of the blood spot - poorly collected and improperly dried specimens - non-eluting blood spot due to deterioration of sample caused by exposure to heat and humidity - contamination of blood spot filter paper with fecal material.
Interfering Substances	Asparagine interference on Ornithine; Creatine interference on Alanine; Creatine interference on Leucine; Hydroxproline interference on Leucine; Methionine sulfone interference on Tyrosine; Sarcosine interference on Alanine; Chlorexidine gluconate interference on C5, C10 and other analytes; Pivalic acid interfere with the screening of Isovaleric Acid.
References	NeoBase Non-derivatized MSMS Package Insert
Additional Information	N/A
Release Date	05/2018
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