ACL Laboratories
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Test Bulletin

December 2023

New Orderable Code for *APOE* Genotyping for Alzheimer Disease

Effective immediately, Apolipoprotein E *(APOE)* Genotyping, Alzheimer Disease Risk (Test Order Code LAB11921) is available as an orderable test code with testing performed by ARUP Laboratories. This assay supports a clinical diagnosis of Alzheimer Disease in symptomatic patients. Providers no longer have to utilize a Miscellaneous test code for ordering. Test information is below.

Test Information	Apolipoprotein E *(APOE)* Genotyping, Alzheimer Disease Risk Test Order Code LAB11921
Specimen Type	Whole blood
Collection Tube	Lavender (EDTA), Pink (K2EDTA), or Yellow (ACD)
Temperature	Refrigerated
Stability	7 days
Methodology	Polymerase Chain Reaction/Fluorescence Monitoring
TAT	4-9 days
Performing Lab	ARUP Laboratories

Updates to N-Methylhistamine Orderable Code

Effective immediately, N Methylhistamine, Urine (LAB9701) has been deactivated. Providers now have access to two orderable codes, dependent on the specimen type being submitted for evaluation. Please see below for additional details on available testing.

	N-Methylhistamine, 24-Hour Urine	N-Methylhistamine, Random Urine
Test Order Code	LAB11949	LAB11676
Specimen Type	Urine	Urine
Collection Tube	Sterile container	Sterile container
Temperature	Refrigerated	Refrigerated
Stability	28 days	28 days
Methodology	Quantitative Liquid Chromatography-Tandem Mass Spectrometry/Colorimetry	Quantitative Liquid Chromatography-Tandem Mass Spectrometry/Colorimetry
TAT	5-12 days	5-12 days
Patient Preparation Note	For accurate results, patients should not be taking monoamine oxidase inhibitors (MAOIs) or aminoguanidine as these medications increase N-methylhistamine (NMH) levels.	

Change in Performing Laboratory for HNK1 (CD57)

Effective immediately, flow cytometry testing for CD57+NK cells will transition from LabCorp to ARUP Laboratories. With this transition, specimen stability will increase to 72 hours and resulting with become interfaced and discrete. Comparison of the inactivated assay and replacement assay is available below.

	INACTIVATED HNK1 (CD57) Profile	REPLACEMENT CD57+ NK Cells, Peripheral Blood by Flow Cytometry
Test Order Code	LAB9598	LAB11789
Specimen Type	Whole blood	Whole blood
Collection Tube	Lavender (EDTA) **AND** Yellow (ACD)	Lavender (EDTA), Pink (K_2EDTA), or Green (Sodium or Lithium Heparin)
Temperature	Ambient	Ambient
Stability	48 hours	72 hours
Methodology	Flow Cytometry	Flow Cytometry
TAT	3-5 days	3-5 days
Resulting Method	Manual (pdf report)	Interfaced

ACL Laboratories Centralizes KOH Testing (Test Order Codes LAB9011 and LAB9012)

Effective Tuesday, December 12, 2023, ACL Laboratories centralized all potassium hydroxide (KOH) staining. KOH is a rapid method to allow for visualization of fungal elements in clinical specimens including hair, skin, and nails as well as oral, vaginal, and esophageal brushing specimens. When centralization occurs, all KOH Hair, Skin, Nail (Test Order Code LAB9011) tests will be performed in the Illinois and Wisconsin Central Microbiology Laboratories and all KOH Oral, Vaginal, Esophageal Brushing (Test Order Code LAB9012) tests will be performed in the Wisconsin Central Microbiology Laboratory.

In 2022, ACL performed 1,003 KOH tests, 74.9% of which were already performed in the Central Microbiology Laboratories. No site outside of the central labs performed more than 2 tests per week and the majority of sites averaged less than 1 test per month. The turnaround time for the 25% of samples currently being tested onsite at hospitals and clinics will increase from approximately 1 hour to between 12 and 24 hours from the time of collection.

Centralization of KOH Hair, Skin, Nail (Test Order Code LAB9011) and KOH Oral, Vaginal, Esophageal Brushing (Test Order Code LAB9012) testing to the Illinois and Wisconsin Central Microbiology Laboratories will lead to increased efficiency, decreased costs, and due to the low sample volume will have minimal impact on patient care.

Please contact the ACL Laboratories Client Services Department at 800-877-7016 with any questions regarding this change.

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