

## ACL Temporarily Refers Toxoplasma Antibody IgM (Test Order Code LAB8561) to ARUP

**Effective immediately**, due to a vendor issue, ACL Laboratories will temporarily suspend in-house testing for Toxoplasma Antibody IgM (Test Order Code LAB8561). To ensure no interruption to patient care, samples will be referred to ARUP Laboratory. Specimen collection requirements will remain the same; however, the reference range and turnaround time **will** change. See the chart below for more information. In-house testing will resume once the issue is resolved.

Test Comparison		
	ACL	ARUP
<b>Methodology</b>	Chemiluminescence	Semi-quantitative Chemiluminescent Immunoassay
<b>Reference Range</b>	< or = 0.90 negative 0.91 to 0.99 equivocal > or = 1.00 positive	7.9 AU/mL or less: Not Detected 8.0-9.9 AU/mL: Indeterminate 10.0 AU/mL or greater: Detected
<b>Specimen Collection</b>	One gold gel 3.5 mL	One gold gel 3.5 mL
<b>Stability</b>	Refrigerated: 7 Days Frozen: 14 Days	Ambient: 48 hours Refrigerated: 2 weeks Frozen: 1 year
<b>Transport Temperature</b>	Refrigerated	Refrigerated
<b>Turnaround Time</b>	24 hours	2 days

## New Orderable Code for Insulin Autoantibody (Test Order Code LAB12429)

**Effective Wednesday, July 17, 2024**, Insulin Autoantibody (Test Order Code LAB12429) is now available as an orderable test code with testing being performed at Quest Laboratories. Providers will no longer have to utilize a Miscellaneous test code for ordering. Test information is below.

Test Information	Insulin Autoantibody (Test Order Code LAB12429)
Specimen Requirements	1.0 mL (min 0.2 mL) serum
Collection Tube	Gold Gel
Temperature	Ambient
Stability	28 days
Methodology	Radiobinding Assay (RBA)
Turnaround Time	7 days
Performing Lab	Quest

For additional information regarding these tests, as well as specimen collection requirements, please contact ACL Client Services at 1.800.877.7016 or visit our website at <https://www.acllaboratories.com/providers/test-directory/>.

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## ACL Implements Two New In-House Tests for MLH1 Methylation (Test Order Code LAB12392) and MGMT Methylation (Test Order Code LAB12393)

**Effective Tuesday, July 16, 2024**, ACL Laboratories implemented new tests for MLH1 Methylation and MGMT Methylation (Test Order Codes LAB12392 and LAB12393).

**Clinical indication:** MGMT promoter methylation status is a prognostic biomarker in patients with high-grade gliomas and is useful in treatment decisions. MLH1 promoter methylation is common in sporadic microsatellite unstable tumors, like colorectal cancer and endometrial cancer, and rarely occurs in Lynch syndrome (hereditary non-polyposis colon cancer or HNPCC). Therefore, the presence of MLH1 methylation suggests that the tumor is sporadic and not associated with Lynch syndrome.

**Test Method:** This test is performed by Next Generation Sequencing.

**Specimen Requirements:** Formalin fixed paraffin embedded (FFPE) cell block OR Fine needle biopsy (FNA)

**Specimen Preparation:** Include one H&E stained slide (4um) and six unstained slides (4um thick), deparaffinized.

**Transport:** Ambient

**Performed:** Weekdays

**Performing Sites:** IL Central Lab

**Reporting Time:** Final within 14 days

This new ACL assays have the performance characteristics comparable to the current reference laboratory assays ARUP and UPMC and will detect the same relevant methylation CpG sites.

**Following send out tests will be discontinued effective Tuesday, July 16, 2024.**

1. ARUP Send out:
  - MLH1 PROMOTER METHYLATION (Test Order Code LAB10835)
2. UPMC Send out: MGMT PROMOTER METHYLATION (Test Order Code LAB11655)
  - MGMT PROMOTER METHYLATION (Test Order Code LAB11655)

If you have any questions, please contact:

ACL Molecular Pathology Laboratory at Rosemont (847.349.7182) or

ACL Client Services (800.877.7016)

## Cytogenetics Accepting Buccal Swabs for Microarray Testing

**Effective Tuesday, July 16, 2024**, ACL Laboratories now accepts buccal swabs for Constitutional Genomic Microarray (Test Order Code LAB10096).

Properly collected buccal swabs will be accepted as an alternative source of DNA and offer a simple and noninvasive alternative to a needle stick. However, buccal swabs are subject to greater variability in DNA quality and quantity than a traditional blood draw and are not usable for follow-up FISH

or chromosome testing. For more consistent results, we prefer, whenever appropriate, to use peripheral blood as the source of DNA for chromosomal microarray analysis.

BUCCAL SWAB KIT: ORAcollect Dx Buccal collection kits will be provided on request.

For additional information, please contact ACL Laboratories Cytogenetics Department in Rosemont at 847.349.7440.

## Cytogenetics Accepting Refrigerated Samples

**Effective Tuesday, July 16, 2024**, to streamline our processes and enhance efficiency in sample handling, ACL Laboratories now accepts amniotic samples at refrigerated temperatures, specifically when infectious testing is ordered along with the following Cytogenetic tests:

- Amniotic Fluid Chromosome Analysis (Test Order Code TXCHAM / LAB9970)
- Prenatal FISH with reflex (Test Order Code FISHRP / LAB10099)
- Genomic Microarray, Prenatal (Test Order Code TXPNMA / LAB10098)

It is still required that **ALL** amniotic fluid and CVS samples with Cytogenetic testing be sent directly to the Cytogenetics Lab without splitting the samples. The cytogenetics laboratory will handle all necessary aliquots. The only exceptions to this process are Lamellar Body Fluid Count-Fetal Lung Maturity (Test Order Code LAME), Microbiology testing, and/or STAT testing, performed onsite.

**Note:** Amniotic fluids **should not be frozen** during this process.

For additional information, please contact ACL Laboratories Cytogenetics Department in Rosemont at 847.349.7440.