

Pregnancy Test Serum Qualitative (Test Order Code SHCG) Update

While rare, serum HCG tests may give a false positive or erroneous results in patients who have circulating heterophile antibodies. In order to ensure that our clients are aware of this potential interference, all positive serum qualitative pregnancy results will now have the following comment appended to aid in interpretation:

"False positive results may occur with patients who have heterophile antibodies. If heterophile antibody interference is suspected, recommend urine pregnancy test (PREG) which is not susceptible to the interference. A negative urine HCG result with persistently positive serum HCG results suggests a false positive serum result. Contact the laboratory for further guidance."

Heterophile antibodies are directed against animal antibodies that are used in the HCG assay design and have the potential to interfere. Humans extensively exposed to animals or certain animal byproducts are at risk of developing these antibodies. Heterophile antibodies are very large molecules and do not cross the kidney and enter the urine. For this reason urine pregnancy tests are not subject to this potential interference. A negative urine HCG result with persistently positive serum HCG results suggests a false positive result, most likely due to these antibodies. If the urine HCG is positive, then in all likelihood the serum HCG result is accurate.

There are other options that are sometimes used in the laboratory to investigate assay interference including analysis of the patient's serum sample with a different manufacturer's assay. If the assay results vary greatly or are negative with the alternative method, then a false positive HCG result should be suspected. Additionally, in some cases, serial dilutions of the serum can be analyzed. In the presence of heterophile antibodies, the results will not decrease as expected.

If a false positive test result is suspected, please contact ACL Client Services at 1.800.877.7016 for further assistance.

pH, Urine by Meter (Test Order Code PHM) Update

The measurement of urine pH is normally performed as part of routine dipstick urinalysis as a general screen to evaluate acid-base status. However, there are specific clinical situations where a more accurate determination of urine pH may be required and in these cases pH is best measured by a meter. ACL Laboratories has a specific test order code (PHM, pH Urine by Meter) that should be ordered when more precise pH determinations are needed.

These situations include:

1. Evaluation of a complex systemic acid-base disorder.
2. Monitoring of therapeutic interventions to either alkalinize the urine, as in the treatment of uric acid nephrolithiasis, or to acidify the urine.
3. Assessment of abnormal urine crystal formation. Some crystals form in alkaline urine and others in acidic urine.
4. Monitoring patients receiving methotrexate who are at risk for renal toxicity. At alkaline pH, methotrexate is more soluble and less toxic. It is important to monitor precise urinary pH in these patients so that an appropriate amount of alkaline fluids can be given to maintain an alkaline pH.

For additional information regarding this test, as well as specimen collection requirements, please contact ACL Client Services at 1.800.877.7016 or visit our website at www.acllaboratories.com/test-catalog/.

ACL Laboratories Discontinues Obsolete Test

Effective Wednesday, September 20, 2017, the following test has been deemed obsolete by Advocate’s Clinical Effectiveness Laboratory Steering committee, Aurora’s Hospital Inpatient Efficiency and Patient Safety Steering committee and ACL’s Clinical Effectiveness Implementation team. A recommended alternative test is identified in the chart below.

| Obsolete Test Order Code | Obsolete Test Name | Alternative Test Order Code | Alternative Test Name |
|--------------------------|---------------------|-----------------------------|-----------------------------|
| MMB | Creatine Kinase, MB | TROPI | Troponin I, Ultra Sensitive |

New Referral Testing Order Codes

| Test Description | Current Test Order Code | New Test Order Code | Specimen Type | Preferred Volume | Tube Type | Temperature to Transport | Instructions | Note/Comments |
|--|-------------------------|---------------------|---------------|------------------|-----------|--------------------------|---|---|
| Alkaline Phosphatase Isoenzymes | ALKIS | ALKAIS | Serum | 2.0 mL | Gold Gel | Refrigerated | Patient should be fasting. Patients who have B or O blood group and are secretors may have an elevated alkaline phosphatase about two hours after a fatty meal. Age and Sex of patient are necessary for interpretation of results. | The test is performed at Cleveland Clinic Laboratories. |
| Spinal Muscular Atrophy (SMA) Copy Number Analysis | REF762 | SMACNA | Whole Blood | 3.0 mL | Lavender | Refrigerated | Patient History for Spinal Muscular Atrophy (SMA) must be submitted with sample. | See article below for additional information. |

ACL Laboratories Offers Spinal Muscular Atrophy Copy Number Analysis (Test Order Code SMACNA) for Constitutional Specimens

The American College of Obstetrics and Gynecology now recommends Spinal Muscular Atrophy (SMA) carrier screening be offered to all women who are considering pregnancy or are currently pregnant (ACOG Committee Opinion #691, March 2017).

Effective Wednesday, September 20, 2017, ACL Laboratories will offer an orderable test code for SMA carrier screening via copy number analysis, Test Order Code SMACNA, to support a more efficient ordering process. SMA copy number analysis using Test Order Code SMACNA will be performed by ARUP Laboratories.

For additional information regarding this test, as well as specimen collection requirements, please contact ACL Client Services at 1.800.877.7016 or visit our website at www.acllaboratories.com/test-catalog/.

Tube Type Changes for Collection of Clinical Lead and Trace Metal

ACL Laboratories announces **tube type changes** for collection of **clinical lead and trace metal testing** (refer to chart below for specific changes). **Please note: Effective Wednesday, September 20, 2017, the use of heparin tubes will be discontinued.**

| Test Order Code | Test Name | Current Collection Tube | New Preferred Collection Tube | Current Alternate Collection Tube | New Acceptable Alternate Collection Tube |
|-----------------|--|-------------------------------|-------------------------------|-----------------------------------|--|
| PBVEN | Lead venous | Lavender top | Lavender top | Royal Blue Sodium Heparin | Royal Blue EDTA |
| PBEPV | Lead, Venous and Erythrocyte Protoporphyrin (ZP) | Lavender top | Lavender top | Royal Blue Sodium Heparin | Royal Blue EDTA |
| PBEPHV | Lead, Venous with Hemoglobin and Erythrocyte Protoporphyrin (ZP) | Lavender top | Lavender top | Royal Blue Sodium Heparin | Royal Blue EDTA |
| ARSN | Arsenic | Royal Blue Sodium Heparin | Royal Blue EDTA | Lavender top | Lavender top |
| CADM | Cadmium | Royal Blue Sodium Heparin | Royal Blue EDTA | Lavender top | Lavender top |
| HG | Mercury | Royal Blue Sodium Heparin | Royal Blue EDTA | Lavender top | Lavender top |
| HM1 | Heavy Metal Panel 1 | Two Royal Blue Sodium Heparin | Two Royal Blue EDTA | Two Lavender top | Two Lavender top |
| HM2 | Heavy Metal Panel 2 | Two Royal Blue Sodium Heparin | Two Royal Blue EDTA | Two Lavender top | Two Lavender top |
| CU | Copper | Royal Blue Sodium Heparin | Royal Blue EDTA | Royal Blue No Additive | Royal Blue No Additive |
| ZN | Zinc | Royal Blue Sodium Heparin | Royal Blue EDTA | Royal Blue No Additive | Royal Blue No Additive |

ACL Illinois Patient Service Centers (PSC) Hours of Operation Changes

Effective immediately, several of our ACL Illinois Patient Service Centers have changed hours of operation to better serve our patients. The IL PSCs with hours of operation changes are identified in the chart below. Please visit our website at <https://www.acllaboratories.com/locations/service-centers/> for additional information, as well as an electronic copy of the Illinois PSC brochure. Hard copies of the Illinois PSC brochure may be ordered from ACL’s Supply Department.

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| <p>Algonquin Briarwood Office Center II 1449 Merchant Drive Algonquin, IL 60102 Phone: 847.854.3991 Fax: 847.854.4506 M-F 8 am to 3:30 pm Closed for lunch 12 to 12:30 pm Sa 7 am to 12 pm</p> | <p>Fox River Grove Riverpoint Professional Building 912 Northwest Highway, Suite 202 Fox River Grove, IL 60021 Phone: 847.516.2357 Fax: 847.516.2513 M-F 8 am to 3:30 pm Closed for lunch 12 to 12:30 pm Sa 7 am to 12 pm</p> |
| <p>Arlington Heights 2010 Professional Building 2010 S. Arlington Heights Rd., Suite 235 Arlington Heights, IL 60005 Phone: 847.593.1579 Fax: 847.593.1704 M,T,W 8:30 am to 5 pm Th,F 8:30 am to 4 pm Closed for lunch 12:30 to 1 pm Sa 7 am to 12 pm</p> | <p>Gurnee 1445 Hunt Club Road Suite 204 Gurnee, IL 60031 Phone: 847.990.2830 Fax: 847.990.2833 M-F 7 am to 3 pm Closed for lunch 12 to 12:30 pm Sa 7 am to 12 pm</p> |
| <p>Chicago Wilton Building 3048 N Wilton Avenue Chicago, IL 60657 Phone: 773.296.7611 Fax: 773.296.7108 M-F 8 am to 3:30 pm Closed for lunch 12:30 to 1 pm Closed on Saturday (Refer to Advocate Illinois Masonic Medical Center)</p> | <p>Hazel Crest South Suburban Physician Office Building 17850 S. Kedzie Avenue Suite 2500 Hazel Crest, IL 60429 Phone: 708.647.8745 Fax: 708.647.9013 M-F 7 am to 4 pm Sa 7 am to 12 pm</p> |
| <p>Crystal Lake Crystal Lake Medical Pavilion 525 Congress Parkway Suite 150 Crystal Lake, IL 60014 Phone: 815.455.5133 Fax: 815.455.5689 M-F 8 am to 3:30 pm Closed for lunch 12 to 12:30 pm Sa 7 am to 12 pm</p> | <p>Libertyville Advocate Condell Physician Office Building 755 S. Milwaukee Avenue, Suite 166 Libertyville, IL 60048 Phone: 847.970.3199 Fax: 847.549.7342 M-F 7 am to 3 pm Closed for lunch 12 to 12:30 pm Sa 7 am to 12 pm</p> |

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| <p>Lockport 1206 E. 9th Street Suite 290 Lockport, IL 60441 Phone: 815.834.8660 Fax: 815.838.6138 M-F 7:30 am to 3:30 pm Closed for lunch 12 to 12:30 pm Sa 7 am to 12 pm</p> | <p>Park Ridge Center for Advanced Care 1700 Luther Lane Suite 1260 Park Ridge, IL 60068 Phone: 847.723.3533 Fax: 847.723.2182 M-F 6:30 am to 7 pm Sa 6:30 am to 2 pm</p> |
| <p>Oak Lawn Christ Physician Office Building 4400 W. 95th Street Suite 401 Oak Lawn, IL 60453 Phone: 708.423.0431 Fax: 708.423.1534 M-F 7 am to 3:30 pm Sa 7 am to 12 pm</p> | <p>Round Lake Beach Advocate Condell Physician Office Building 2 E. Rollins Road, Suite 105 Round Lake Beach, IL 60073 Phone: 847.970.3150 Fax: 847.740.0668 M-F 7 am to 3 pm Closed for lunch 12 to 12:30 pm Sa Closed (Refer to Gurnee)</p> |
| <p>Oak Lawn 10522 S. Cicero Avenue 1st Floor Oak Lawn, IL 60453 Phone: 708.229.0284 Fax: 708.229.0350 M-F 7 am to 3:30 pm Sa 7 am to 12 pm</p> | <p>Tinley-LaGrange 18210 S. LaGrange Road Suite 203 Tinley Park, IL 60477 Phone: 708.478.2870 Fax: 708.478.2872 M-F 7 am to 4 pm Sa 7 am to 12 pm</p> |
| <p>Orland Park 14434 S. John Humphrey Drive Orland Park, IL 60462 Phone: 708.873.1504 Fax: 708.873.1553 M-F 7:30 am to 3:30 pm Closed for lunch 12 to 12:30 pm Sa 7 am to 12 pm</p> | <p>Woodridge Woodgrove Medical & Professional Center 7425 Janes Avenue Suite 102 Woodridge, IL 60517 Phone: 630.719.1463 Fax: 630.719.1478 M-F 7 am to 3 pm Closed for lunch 12 to 12:30 pm Sa 7 am to 12 pm</p> |
| <p>Palos Heights High Tech Medical Park 11800 Southwest Hwy. Palos Heights, IL 60463 Phone: 708.923.3255 Fax: 708.361.4794 M-F 6 am to 4:30 pm Sa 7 am to 12 pm</p> | |