Laboratory Test Updates

*Highlands Ranch Hospital Laboratory Test Updates are emailed as needed to healthcare providers and professionals. Leaders, please forward to clinical staff and medical providers.*

*For the most current information, visit* [*https://www.testmenu.com/UCHealthHRHLab*](https://www.testmenu.com/UCHealthHRHLab)

Coagulation Testing Reference Range Updates

**Effective 4/28/2022**

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| --- | --- | --- | --- |
| **TEST** | **EPIC CODE** | **OLD Reference Range** | **NEW Reference Range** |
| **Highlands Ranch Testing Updates** | | | |
| Prothrombin Time | LAB320 | 12.2-14.6 seconds | 12.6-14.6 seconds |
| INR | LAB320 | 0.9 – 1.1 (no change) | 0.9 – 1.1 (no change) |
| Activated Partial Thromboplastin Time (APTT) | LAB325 | 24.1-34.6 seconds              Comment:  *Therapeutic Range for Heparin Monitoring: 80.7-122.7 seconds* | 23.7-33.1 seconds    Comment:  *aPTT results should not be used for unfractionated or low molecular weight heparin monitoring and dosing. Please order Anti-XA UFH or LMWH test as indicated.* |

Highlands Ranch Testing: Please call Dr. Carol Dittmann at 720-516-0199 if you have any questions or visit our test catalog at <https://www.testmenu.com/UCHealthHRHLab> for additional information.

*Helicobacter pylori* Breath Test Method Change

UCHealth laboratories will be changing the method of testing for H. pylori Breath Testing, which is performed at Medical Center of the Rockies (MCR) Clinical Laboratory. UCHealth is transitioning from Otsuka Breathtek UBT testing kit to Meridian BreathID® IDKit HPTwo. UCHealth will run both methods during the transition period. **As of June 3rd, 2022, the Otsuka BreathTek UBT kit will no longer be acceptable.**

There are a few differences between collection kits. Thoroughly review collection instructions within the BreathID IDKit HP Two prior to use. Results obtained on the new method will include change of method result comment.

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| **Method** | **NEW:**  **BreathID® Meridian IDKit HP**  **Two \*\*New Method**  Meridian Item number AC00063 | **Old:**  **Otsuka BreathTek UBT** |
| **Technology** | Molecular Correlation  Spectroscopy | Infrared Spectrophotometry |
| **Specimen Stability** | 14 Days | 7 Days |
| **Sensitivity** | 100% | 95.2% |
| **Specificity** | 97.9% | 89.7% |
| **Patient testing** | Validated for patients 3 years and older. Height and weight is not  required. | Validated for pediatric patients ages  3-17 years following adjustment calculation for height and weight.  Validated for patients ages 18 and  older without a calculation. |

**Limitations for H.Pylori BreathID® IDKit HP Two include:**

1.    A negative result does not rule out the possibility of H. pylori infection. False negative results can occur with this procedure. If clinical signs suggest H. pylori infection, retest with a new sample or an alternate method.

2.    A false positive test may (rarely) occur due to urease associated with other gastric spiral organisms observed in humans such as Helicobacter heilmanni.

3.    A false positive test could occur in patients who have achlorhydria.

4.    Antimicrobials, proton pump inhibitors, and bismuth preparations are known to suppress H. pylori. Ingesting these medications **within two weeks** prior to performing the breath test may produce false negative test results.

5.    Post treatment monitoring of H. pylori should be performed after at least six weeks of treatment for H. pylori infection. Earlier assessment may give false results.

6.    Data is insufficient for recommending the use of this test on patients with total or partial gastrectomy.

[Click here](https://uchealth-wp-uploads.s3.amazonaws.com/wp-content/uploads/2022/02/21081042/CLNLAB-2022-02-21-HPylori-MBI_BreathID_IDKit-Two-Quick-Guide.pdf) for complete information, including transition schedule and other resources.  [Click here](https://uchealth-wp-uploads.s3.amazonaws.com/wp-content/uploads/2022/02/21081202/CLNLAB-2022-02-21-HPylori-Breath-Test-Method-Change.pdf) for Breath Test Kit instructions.

Contact MCR laboratory at 970.495.8715 with any questions regarding method or collection practices.

Expiry Date for Hologic Aptima Urine Collection Kits Extended

A Customer Technical Bulletin from the Hologic Company announces that the expiry date for its Aptima Urine Specimen Transport Tubes and Aptima Urine Specimen Collection Kit for Male and Female Urine Specimens has been extended by twelve months.  This affects UCHealth, since we have now entered the original expiry period for some lot numbers, and we have received items that have exceeded the original expiry date printed on the packaging.

Please use the extended expiration dates for the lot numbers listed in the bulletin. A paper copy of the bulletin is being included when these items are distributed to patient areas.  The bulletin is also available [here](https://uchealth-wp-uploads.s3.amazonaws.com/wp-content/uploads/2022/03/03075154/CLNLAB-2022-03-03-CTB-00955_002_01_Extended-Expiry-Dating-For-Aptima-Urine-Tubes_FINAL-1.pdf), or go to the [UCH Clinical Lab Web Page](https://www.uchealth.org/professionals/uch-clinical-laboratory/) and search in News and Updates.

This affects the following laboratory tests:

         LAB4739 Chlamydia/GC Genprobe

         LAB8915 Chlamydia/GC/Trich Genprobe

         LAB8918 Trichomonas Genprobe

Please call the Clinical Laboratory at 720-848-4401  if you have questions or visit our test catalog at <https://www.testmenu.com/universityhospital> for additional information.

UCH Lab Test Updates and News

Test updates for UCH can be found at:

<https://www.uchealth.org/professionals/uch-clinical-laboratory/>