



Date: 07/15/25

To: UCM Medical Staff, Patient Care Centers, and Outpatient Clinics

From:

Timothy Carll, MD
Interim Medical Director,
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Manager, Coagulation Laboratory

RE: New Platelet Function Assay Available (ATP Release by Whole Blood)

Effective immediately: The UCM Coagulation Laboratory is now offering a novel platelet functional assay that utilizes diluted whole blood to assess dense granule ATP release. When compared to gold-standard platelet lumi-aggregometry, the new assay offers the benefit of significantly smaller sample requirements—of particular value in identifying platelet disorders in pediatric patients. Performance of the Platelet Function by ATP Release assay has been extensively locally validated and previously published.¹

Test Name: Platelet Function by ATP Release (Whole Blood)

Test code: WBATP

CPT: 82397 (x9)

Collection tubes: Light blue top tube, one (1)

The new Platelet Function by ATP Release assay assesses platelet response to six agonists and quantifies total and per-platelet ATP release. Reports will be accompanied by a coagulation pathologist's written interpretation (which will include assessment of any interferences by medication or pre-analytic factors).

The assay is available Monday to Friday, 8AM-12PM. Test must be scheduled with Coagulation Laboratory. The coagulation pathologist will assist with test selection and determination of any interfering anti-platelet agents. Please call 773-702-1315 to inquire.

Specimen can only be collected at Hyde Park location, with the direct oversight of Coagulation Lab staff and pathologists.

Gold standard platelet lumi-aggregometry remains available.

For questions, please contact

Krzysztof Mikrut, Laboratory Manager, at 773-702-1315, or

Timothy Carll, MD, Interim Medical Director, at 773-702-1439.

¹ Cho JH, Wool GD, Tjota MY, Gutierrez J, Mikrut K, Miller JL. Functional Assessment of Platelet Dense Granule ATP Release. Am J Clin Pathol. 2021;155(6):863-872. doi:10.1093/ajcp/aqaa196