



March 17, 2014

## CLINICAL PRACTICE CHANGE

### Change in Platelet Function Testing

**Effective March 26, 2014** the DSM HSC site will be changing the algorithm for platelet function testing, which includes a standard platelet aggregation panel, ATP release, and dense granule enumeration. These changes result from the introduction of new platelet aggregometers with expanded capabilities for testing.

#### Test specifications:

Published guidelines and expert consensus recommendations have identified a platelet agonist panel with the most utility in identifying clinically relevant platelet function abnormalities. The new platelet aggregation testing algorithm coincides with these guides and includes a primary agonist panel and reflex testing, as required. The primary panel includes the following agonists: epinephrine, ADP, collagen, arachidonic acid and ristocetin. ATP release measured by lumi-aggregometry, in response to thrombin, will be measured on all samples. Dense granule enumeration will be done only if ATP release is decreased.

#### Reference Intervals:

Refer to the LIS report for the new reference intervals for each agonist concentration, and the ATP release assay.

#### Sample Requirements:

Testing must be approved by a Hematologist or Hematopathologist and booked through the Haemostasis Bench at HSC (204-787-2105). Sample collection requirements remain unchanged.

Note: All Physician Alerts can be found on the DSM Internet: \_\_\_\_\_

Please contact Dr. Sara Israels (204-787-2105) with any questions or concerns.

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