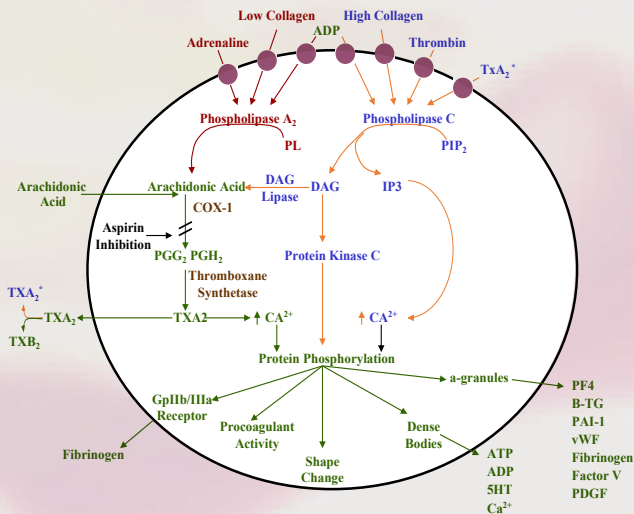


## Platelet Activation Pathway Testing Requires Many Reagents [Activators]



Reference: Platelets in Thrombotic and Non-thrombotic Disorders. 2002. Pages: 119, 127-129, 222-223, 238-239, 339, 361, 371, 471-472

## PLATELET MEMBRANE RECEPTORS

- Respond to a wide range of platelet activators
- Adhere to damaged cell walls
- Interact with other platelets

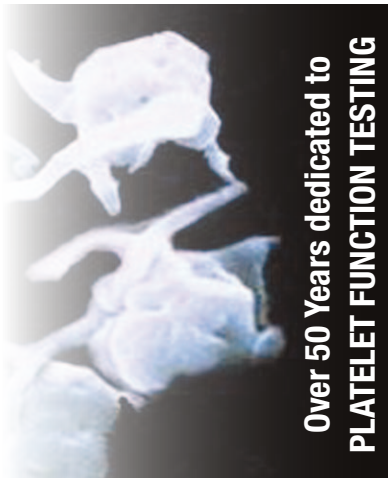
## INTERNAL PATHWAYS

- Dense Granules release activators such as ADP and ATP
- Phospholipase A<sub>2</sub> — affected by Aspirin-type drugs
- Phospholipase C — not affected by Aspirin-type drugs

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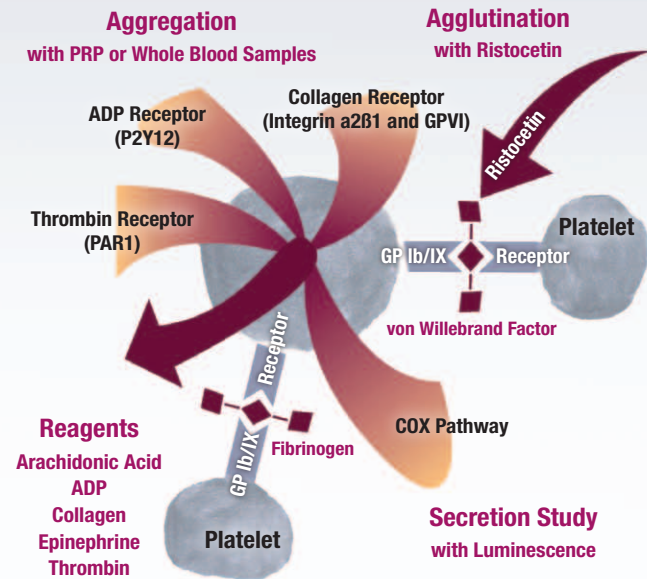
[CPTB1 Ver 1.0 June 2018]

# COMPREHENSIVE PLATELET TESTING

Identify Patients at Risk of Bleeding or Thrombosis

Measure ATP Secretion to Diagnose Storage Pool/Secretion Defects

Detect Specific Platelet Disorders



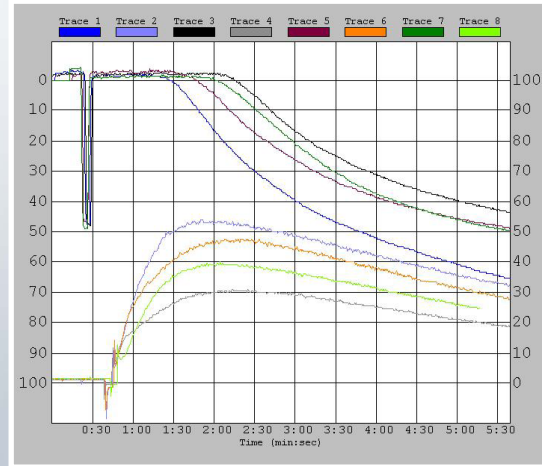
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Out What Makes Them  
Tick [Function]  
. . . or Not!**

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## PLATELET FUNCTION

- Primary or Secondary Aggregation Defect
- Agglutination Defect
- Drug-Induced Defect

## DENSE GRANULE SECRETION

- $\sigma$ -Storage Pool Deficiency
- Secretion Defect
- Drug-Induced Defect

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