

Product Catalog



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PLATELET AGGREGATION INSTRUMENTATION



PLATELET AGGREGATION PROFILER™ , MODEL PAP-8E

Catalog No. 106075

The PAP-8E is a PC-controlled, eight channel Platelet Aggregation Profiler. The touch screen operation, on screen procedure templates, and test menu make the PAP-8E easy to use. Eight test channels accommodate multipoint standard curves and patients in a single run, multiple patients with a single agonist, or a single patient with multiple agonists or dilutions. The time required to perform aggregation studies is shortened. On screen timers and audible alarms free the operator to perform other tasks during incubation and test sequences. Standard microvolume quantities reduce sample and reagent consumption.

Agonist induced procedure templates are preprogrammed for ADP, Arachidonic Acid, Collagen, Epinephrine, Heparin (HIPA), Thrombin Induced Platelet Aggregation (TIPA), and Ristocetin (RIPA). Additional templates for the study of activated platelets, sticky platelets, Heparin Induced Thrombocytopenia (HIT) and dose response calculations are provided. Templates assure that tests are performed the same way, time after time.

The PAP-8E offers an enhanced Ristocetin Co-Factor Assay. Along with providing templates for the standard 3-point (100%, 50%, 25%) reference curve, the PAP-8E offers two user selectable 4-point reference curve templates. One 4-point (100%, 50%, 25%, 12.5%) template may be used to extend the range of assay below 25% activity. The other 4-point (100%, 80%, 40%, 20%) template provides optional methodology for investigational purposes only.

The PAP-8E accessories, include an electronic pipette with memory, GraphPad Prism® for Windows®. GraphPad Prism® is a powerful combination of basic laboratory and biostatistics, curve fitting (nonlinear regression) and scientific graphing in one comprehensive program. Prism is ideally suited to data plotting and analysis applications in the life sciences. The enhanced program gives you the ability to organize, analyze and graph repeated experiments, pick appropriate statistical tests and interpret the results. It is compatible with Microsoft® programs such as Word, Excel® and PowerPoint®. Additionally, Prism includes special features for different laboratory environments such as laboratory statistics and QC for the clinical laboratory, and dose response calculations and curves for research laboratories

SUGGESTED START-UP SUPPLIES PAP-8E

Catalog No.	Quantity	Description
105990	2	Stir Bars, Disposable, Plastic Coated (Micro) 25/Tube, 2 Tubes/package
101521	1	Test Tubes, 7.25 x 55mm, Siliconized (Micro) 100/box
106554	1	Biohit Pipette Tips, 10x 96 tips per case
101312	2	ADP 3 x 0.5mL
101297	2	Arachidonic Acid 3 x 0.5mL
101562	2	Collagen (Type I) 3 x 0.5mL
101311	2	Epinephrine 3 x 0.5mL
100970	2	AggRecetin® (1.0-1.5mg/mL) 15mg
101258	1	Lyophilized Platelets 1 x 10.0 mL
100994	1	Sodium Citrate, 0.11M 237mL

PLATELET AGGREGATION INSTRUMENTATION



PLATELET FUNCTION CENTRIFUGE, MODEL PDQ®

Catalog No. 106842

The Platelet Function Centrifuge, Model PDQ has been validated for preparing samples for platelet function testing. The PDQ is a fixed speed, clinical centrifuge with three pre-programmed settings: Platelet Rich Plasma (PRP), Platelet Poor Plasma (PPP) and Platelet Free Plasma (PFP) Platelet Free Plasma (PFP) for the ristocetin cofactor assay, and washed platelets. Washed platelets are used in a variety of protocols including HIPA and TIPA.

The PDQ has been performance tested with and accepts anticoagulated whole blood specimens in evacuated specimen collection tubes including Vacutainer® and Vacuette® tubes containing 0.11M sodium citrate, as well as plastic sample tubes.

The PDQ is shipped with the following:

- Rotor
- Rotor Removal Tool
- Remote Power Supply, 100 -240VAC/50-60Hz
- Operation and Methods Manual CD
- Validation Certificate
- Sample Tube Rack
- Bowl Liner
- Inserts for 5 mL Tubes, set of four
- Startup Kit

The PDQ is an ideal companion accessory for the PAP-8E as well as other optical aggregometers.

Vacutainer is a registered trademark of Becton Dickinson and Company

Vacuette is a registered trademark of Greiner Bio-One, GmbH

SUGGESTED START-UP SUPPLIES PDQ

Catalog No.	Quantity	Description
106852	1	Disposable Fine Point Transfer Pipettes 400/box
106853	1	Sample Tubes 1000/box
106899	1	Caps, Sample Tube 250/box



PLATELET AGGREGATION REAGENTS

<u>PRODUCT DESCRIPTION</u>	<u>CATALOG NO.</u>	<u>CONTENTS</u>
<p>ADP (Adenosine-5'-Diphosphate)</p> <p>ADP is a lyophilized preparation of adenosine-5'-diphosphate. The working concentration of the reconstituted reagent is 2×10^{-4} M. ADP is for use in routine platelet aggregation studies for the evaluation of platelet dysfunction or platelet activation.</p>	101312	3 x 0.5mL
<p>Arachidonic Acid (Sodium Arachidonate)</p> <p>Arachidonic Acid is a lyophilized preparation of sodium arachidonate. The working concentration of the reagent is 5mg/mL. Arachidonic Acid is for use in routine platelet aggregation studies for the differential diagnosis of aspirin-like release defects and Storage Pool Disease. It is also used to evaluate the inhibitory effect of aspirin on platelet aggregation.</p>	101297	3 x 0.5mL
<p>BETA/Pak® (ADP, Collagen, Ristocetin)</p> <p>BETA/Pak® is a kit containing ADP (adenosine-5'-diphosphate), soluble Collagen and Ristocetin. All reagents are lyophilized for long term storage and stability. BETA/Pak is for use in routine platelet aggregation studies for the differential diagnosis of platelet function disorders and von Willebrand Syndrome.</p>	101580	1 x 0.5mL each
<p>Collagen (Soluble Calf Skin, Type I)</p> <p>Collagen is a lyophilized preparation of soluble calf skin collagen (Type I). The working concentration of the reconstituted reagent is 1.9mg/mL. Collagen is for use in routine platelet aggregation studies for the evaluation of platelet dysfunction or platelet activation.</p>	101562	3 x 0.5mL
<p>Epinephrine (Adrenalin)</p> <p>Epinephrine is a lyophilized preparation of adrenalin. The working concentration of the reconstituted reagent is 1×10^{-3} M. Epinephrine is for use in routine platelet aggregation studies for the evaluation of platelet dysfunction or platelet activation.</p>	101311	3 x 0.5mL
<p>Lyophilized Platelets</p> <p>Lyophilized Platelets are a standardized and fixed platelet suspension derived from human blood. The platelets are lyophilized to ensure stability during long term storage. Tris Buffered Saline Diluent is supplied with the platelets. Upon reconstitution, the platelet suspension will have a count of approximately 200,000/μl (using hemocytometry). Lyophilized Platelets are for use in the quantitation of von Willebrand factor in plasma.</p>	101258 101595	1 x 10.0mL 3 x 4.0mL
<p>PAR/Pak II® (ADP, Collagen, Epinephrine)</p> <p>PAR/Pak II is a kit containing lyophilized ADP (adenosine-5'-diphosphate), Epinephrine, and soluble calf skin Collagen (Type I). PAR/Pak II is for use in routine platelet aggregation studies for the evaluation of platelet dysfunction or platelet activation.</p>	101310	2 x 0.5mL each
<p>Ristocetin</p> <p>AggRecetin® 1.5mg/mL (includes 1.0mL diluent)</p> <p>AggRecetin® 1.0-1.5mg/mL (includes 2.0mL diluent)</p> <p>AggRecetin® 100mg (Bulk)</p> <p>AggRecetin is lyophilized Ristocetin A Sulfate, a substance of unknown chemical structure which is isolated from Nocardia lurida. AggRecetin contains in excess of 90% Ristocetin A. AggRecetin is for use in the detection of von Willebrand Syndrome, the quantitation of von Willebrand factor, and the identification of Bernard-Soulier Syndrome.</p>	100968 100970 101241	15mg 15mg 100mg



PLATELET AGGREGATION REAGENTS

<u>PRODUCT DESCRIPTION</u>	<u>CATALOG NO.</u>	<u>CONTENTS</u>
Sodium Citrate, 0.11M Anticoagulant	100994	237mL
Tris Buffered Saline, 0.06M, pH 7.5 Coagulation Tests, Ristocetin Cofactor Activity	100991	473mL
vW Factor Assay® (Ristocetin Cofactor Activity)	101246	See Below
	103025	See Below

The vW Factor Assay® is a system of reagents and control plasmas for the evaluation of von Willebrand Syndrome. The vW Factor Assay is for the specific quantitation of ristocetin cofactor activity in plasma.

NOTE: Each vW Factor Assay Kit Contains:	Catalog No. 101246	Catalog No. 103025
Lyophilized Platelets	1 x 4.0mL	2 x 4.0mL
vW Normal Reference Plasma	1 x 0.5mL	2 x 0.5mL
vW Abnormal Control Plasma	1 x 0.5mL	2 x 0.5mL
Ristocetin	1 x 0.5mL	2 x 0.5mL
Tris Buffered Saline	1 x 10.0mL	2 x 10.0mL
Graph Paper	1 each	2 each

vW Select™ (Ristocetin Cofactor Assay System)	107056	See Below
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vW Select is a ristocetin cofactor assay system comprised of optimized reagents, control plasmas and lot specific technical information for use in the detection of von Willebrand Disease (vWD). The materials provided in the vW Select system have been specifically selected to provide improved performance and repeatability compared to ordinary component combinations found in existing ristocetin cofactor assay systems.

NOTE: Each vW Select Kit Contains:	
Lyophilized Platelets	1 x 6.0mL
vW Normal Reference Plasma	1 x 0.5mL
vW Abnormal Control Plasma	1 x 0.5mL
vW Normal Control Plasma	1 x 0.5mL
TRIS Buffered Saline	1 x 10.0mL
Water	3 x 1.0mL
vW Ristocetin Reagent	1 x 8mg

vW Abnormal Control Plasma	101270	3 x 0.5mL
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von Willebrand Factor Abnormal Control Plasma is lyophilized citrated human plasma which has been selectively depleted of von Willebrand Factor. Abnormal Control Plasma is used to control against erroneous results in von Willebrand factor (Ristocetin Cofactor Activity) assays. It is also used to verify Ristocetin Cofactor Assay performance and sensitivity.

vW Normal Control Plasma	106426	3 x 0.5mL
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von Willebrand Factor Normal Control Plasma is a lyophilized citrated human plasma which has been verified for a von Willebrand Factor activity level of 80 to 120 percent. Normal Control Plasma is used to control against erroneous results in von Willebrand factor (Ristocetin Cofactor) assays. It is also used to verify Ristoceti Cofactor Assay performance and sensitivity.

vW Normal Reference Plasma	101269	3 x 0.5mL
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von Willebrand Factor Normal Reference Plasma is lyophilized human plasma standardized using World Health Organization reference material to give consistent 90 - 110% of von Willebrand factor activity. Normal Reference Plasma is used as the source of von Willebrand factor in the preparation of a standard activity curve in a von Willebrand factor assay.



PLATELET AGGREGATION ACCESSORIES

<u>PRODUCT DESCRIPTION</u>	<u>CATALOG NO.</u>	<u>CONTENTS</u>
BIOHIT eLine Electronic Pipette, PAP-8E 10-300 µL	106232	EACH
BIOHIT eLine Electronic Pipette, PAP-4 Series 50-1000 µL	106606	EACH
BIOHIT Single Position Stand with Charger, European (for use with BIOHIT eLine Pipettors)	106626	EACH
BIOHIT Single Position Stand with Charger, USA (for use with BIOHIT eLine Pipettors)	106560	EACH
BIOHIT Pipette Tips, 300µl, for use with C/N 106232 10 x 96 tips per case, 51mm length, Single Tray	106612	CASE
BIOHIT Pipette Tips, 300µl, for use with C/N 106232 10 x 96 tips per case, 51mm length, Tower Refill	106554	CASE
BIOHIT Pipette Tips, 1000µl, for use with C/N 106606 10 x 96 tips per case, 71.5mm length, Single Tray	106608	CASE
BIOHIT Pipette Tips, 1000µl, for use with C/N 106606 10 x 96 tips per case, 71.5mm length, Refill Twin Pack	106610	CASE
Caps, Sample Tube	106899	250 / PACKAGE
Disposable Liners, PDQ	106847	1 EACH
Disposable Transfer Pipettes (Large bulb, fine point)	106852	400 / PACKAGE
GraphPad Prism® 5 for Windows	106548	EACH
Inserts for 5mL Tubes, PDQ	106848	4 / SET
Inserts for 3mL Tubes, PDQ	106849	4 / SET
Inserts for 2mL Tubes, PDQ	106850	4 / SET
Inserts for 1.5 - 2.0mL Tubes, PDQ	106851	4 / SET
Micro-volume Adapters, PAP-4	101473	EACH
PDQ® Platelet Function Centrifuge	106842	EACH
Profiler Paper, PAP-4	101375	1 ROLL
Profiler Paper, PAP-4, S/N 71104 and above	105598	1 ROLL
Reagent Well Adapters, PAP-8E, Set of 10 (2 of each size)	106602	SET
Rotor (replacement) PDQ	106854	EACH
Sample Tubes, PDQ	106853	1000 / PACKAGE
Sample Tube Rack	106912	EACH
Stir Bars, Disposable, Plastic Coated, (Micro) 25 / tube, 2 tubes / package	105990	50 / PACKAGE
Stir Bars, Plastic Coated (Macro) 25/tube, 2 tubes/package	105977	50 / PACKAGE
Test Tubes, PAP-4 Series, 8.75 x 50mm, Siliconized	100336	100 / BOX
Test Tubes, PAP-8E and PAP-4 Series, 7.25 x 55mm, Siliconized (Micro)	101521	100 / BOX



COAGULATION REAGENTS AND CONTROLS

<u>PRODUCT DESCRIPTION</u>	<u>CATALOG NO.</u>	<u>CONTENTS</u>
<p>Plastinex® Thromboplastin</p> <p>Plastinex is a lyophilized preparation of rabbit brain thromboplastin, calcium salt, buffers and stabilizers. Upon reconstitution the reagent is a “combined” thromboplastin, containing both the tissue factor and calcium ions required for plasma coagulation by way of the “extrinsic” hemostatic pathway. The International Sensitivity Index (ISI) of the reagent (for the Microsample Coagulation Analyzer®) appears on the vial label along with the lot number and expiration date. Plastinex is for use in performing the one stage prothrombin time (PT) and coagulation factor assays which are based on a modified prothrombin time. The prothrombin time is the method of choice for monitoring oral anticoagulation therapy. It is also a fundamental screening test for a deficiency or abnormality of extrinsic coagulation factor VII, and the factors common to both the intrinsic and extrinsic hemostatic pathways: fibrinogen, I, V, and X. When used in conjunction with deficient substrate plasma, the PT provides the basis for the determination of the percent (%) activity of specific coagulation factors.</p>	<p>101158 102672</p>	<p>20 x 4.0mL 15 x 10.0mL</p>
<p>Control Plasma, Normal, Citrex® I</p> <p>Citrex I is a lyophilized preparation of human plasma. Citrex I is normal plasma collected in a citrate anticoagulant and buffered to ensure stability. A quantitative fibrinogen value using the Kinetic Fibrinogen Assay (KFA™) has been established for each lot of Citrex I on a Microsample Coagulation Analyzer™. This target value is conveniently printed on the vial label. Citrex I is a control plasma for quality assurance in prothrombin time(PT), activated partial thromboplastin time (APTT) and quantitative fibrinogen testing.</p>	<p>101166</p>	<p>20 x 1.0mL</p>
<p>Control Plasma, Abnormal, Citrex® II Control Plasma, Abnormal, Citrex® III</p> <p>Citrex II and III are lyophilized preparation of human plasma. Citrex II and III have been selectively depleted of the Vitamin K dependent coagulation factors. All of the plasmas are collected in citrated anticoagulant and buffered to ensure stability. Citrex II and III are control plasmas for quality assurance in prothrombin time (PT) and activated partial thromboplastin time (APTT) testing. Citrex II and III verify test performance in the moderately and extremely extended ranges of coagulation, respectively.</p>	<p>101170 101174</p>	<p>20 x 1.0mL 20 x 1.0mL</p>
<p>APTT Reagent (Silica Activated) Cephalinex®</p> <p>Cephalinex is a lyophilized preparation of rabbit brain cephalin and particulate (microsilica) activator. Cephalinex supplies the phospholipid platelet substitute and negatively charged surface required for plasma coagulation by way of the “intrinsic” hemostatic pathway. Cephalinex is for use in performing an activated partial thromboplastin time (APTT) and coagulation factor assays which are based on a modified APTT. The APTT is the most widely used method for monitoring intravenous heparin anticoagulation therapy. It is also a fundamental screening test for deficiencies or abnormalities of the intrinsic coagulation factors: VIII, IX, XI, XIII, and factors common to both the intrinsic and extrinsic pathways: I (fibrinogen), II, V, X. When used in conjunction with deficient substrate plasma, the APTT provides the basis for the quantitation of specific coagulation factors.</p>	<p>101162 102677</p>	<p>20 x 3.0mL 15 x 10mL</p>
<p>Calcium Chloride Solution, 0.025M Coagulation Tests</p>	<p>100989</p>	<p>473mL</p>



COAGULATION REAGENTS AND CONTROLS

<u>PRODUCT DESCRIPTION</u>	<u>CATALOG NO.</u>	<u>CONTENTS</u>
Platelet Extract Reagent (Lupus Anticoagulant Assay) Platelet Extract Reagent is a lyophilized preparation of phosphatidyl enhanced platelet phospholipid. Platelet Extract Reagent is designed for use in the platelet neutralization procedure (PNP) to evaluate a prolonged activated partial thromboplastin time (APTT) that is greater than 5 seconds above the upper limit of the normal range. The reagent is used to determine if the prolongation is due to the lupus anticoagulant.	102516	5 x 1.0mL
Sodium Citrate, 0.11M Anticoagulant	100994	237mL
Thrombin, Bovine, Thrombinex® Thrombinex is bovine thrombin and stabilizing buffer. One vial of Thrombinex provides 12-20 units of thrombin activity and is reconstituted to a working concentration of 6-10 units/mL. When Thrombinex is reconstituted and used according to directions, normal plasma will clott in approximately fifteen (15) to twenty-two (22) seconds. Thrombinex is for use in thrombin time testing for the evaluation of disseminated intravascular coagulation (DIC), quantitative and qualitative fibrinogen abnormalities, heparin therapy, and streptokinase or urokinase therapy.	101628	20 x 2.0mL
Thrombolytic Control Plasma™ Thrombolytic Control Plasma is prepared from human plasma to simulate plasma from patients treated with streptokinase or urokinase. This lyophilized control plasma contains elevated levels of Fibrinogen Degradation Products (FDP) and decreased levels of fibrinogen and plasminogen, characteristic of plasma from patients in the lytic state. Thrombolytic Control plasma is used as a therapeutic level control in tests for monitoring thrombolytic therapy. When assayed in the same manner as a patient plasma, it serves to verify sensitivity and precision in the critical therapeutic range of test system in use.	101625	5 x 1.0mL
Tris Buffered Saline, 0.06M, pH 7.5 Coagulation Tests, Ristocetin Cofactor Activity	100991	473mL
UPTT™ Reagent UPTT is a lyophilized preparation of rabbit brain cephalin. The standardized rabbit brain phospholipids concentration is $\leq 0.1\%$. The UPTT reagent supplies the phospholipids required for plasma coagulation by way of the intrinsic hemostatic pathway. RESEARCH USE ONLY. UPTT is for use in performing a non-activated Partial Thromboplastin Time Test (PTT). In hemocompatibility studies, the PTT measures contact activation of the intrinsic coagulation system. The PTT is a widely used test for measuring the activation of factors XI and XII.	105997 105905	20 x 3.0mL 15 x 10.0mL

ORDERING INFORMATION

PHONE: 800-257-3282 (USA)
215-441-4000 (WORLDWIDE)



FAX: 215-443-8820



MAILING ADDRESS: 155 Gibraltar Road
PO Box 347
Horsham, PA 19044-0347
USA



EMAIL: customer.service@biodatacorp.com



WEB SITE: www.biodatacorp.com



To request a quote please see our web site.

VISA®, MASTERCARD®,
AMERICAN EXPRESS® AND
PROCUREMENT CARDS ACCEPTED.

SPECIAL TERMS & CONDITIONS

All reagents and controls will have a minimum of 90 days dating at the time of shipment unless specific dating is requested at the time of order.

NOTE

It is our policy to comply with the Defecit Reduction Act 2005.

Orders may be placed by phone, fax, mail or e-mail. All orders are subject to acceptance by Bio/Data Corporation.

When placing an order, please include:

- Customer number
- Institution or Company Name
- Billing and shipping address
- Purchase order number
- Catalog number
- Product name
- Quantities, size
- Contact name, phone number, fax number and email address
- Preferred Shipping Method
- Special handling requests
- Date required

Note: All orders are confirmed.

PRODUCT RETURNS

Goods may not be returned for repair or credit except at Bio/Data Corporation's sole discretion and only with prior authorization. Customer must obtain a Returned Goods Authorization (RGA) number prior to returning goods. Goods returned without an RGA will not be accepted. Strict compliance to shipping instructions required. Returns for credit may be subject to a processing fee. Contact Customer Service for details.

GENERAL TERMS AND CONDITIONS

- All sales are final.
- Prices stated are in US dollars, and are subject to change without notice.
- All prices are net of freight, insurance, fees and taxes.
- All prices are FOB Horsham, (FCA Horsham for export) with freight and insurance prepaid and added to the invoice.
- Products are generally shipped via UPS second day air or UPS ground unless otherwise specified.
- Payment terms are net 30 days from date of invoice with prior credit approval. Include customer number, invoice number and purchase order number with payment.

Visit us at our website: www.biodatacorp.com



BIO/DATA CORPORATION

An ISO 13485:2003, 9001:2000 Registered Company

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Special Offers

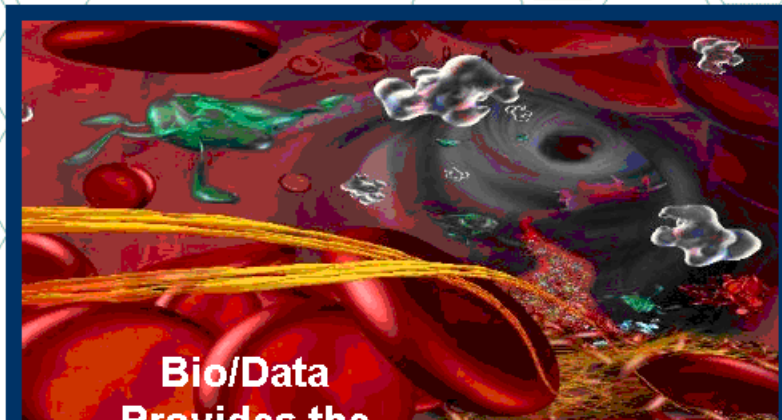
Aggregation

Coagulation

Vertical Stirring

Microfiltration

WELCOME!



The following are registered trademarks and trade names of Bio/Data Corporation:

AggRecetin® BETA/Pak® Cephalinex® Citrex® PAR/Pak® II
 Platelet Aggregation Profiler™ Plastinex® Thrombinex® vW Factor Assay®
 vW Select™ PDQ® Thrombolytic Control Plasma™ UPTT™ Reagent

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