

2022 Product List

Louisville APL Diagnostics, Inc. is a manufacturer and marketer of products for the *in vitro* detection of antiphospholipid (aCL) antibodies. These include the *AphL ELISA® Kit* - for the detection of IgG and IgM aPL antibodies; the *LAPL ELISA™ Kit* - for the detection of IgG, IgM, and IgA aCL antibodies, the *LAPL ELISA™ aβ₂GPI Kit* - for the detection of IgG, IgM, and IgA anti-β₂ Glycoprotein I antibodies; **Calibrators IgG, IgM and IgA** - for anticardiolipin ELISA assays, and **Positive Controls** for ELISA anticardiolipin and anti-β₂Glycoprotein I assays.

Products are continually being developed to aid in the detection of the **Antiphospholipid Syndrome (APS)**.

ELISA KITS

LAPL-K-HRP-00GM (FDA cleared for in vitro diagnostic use)

AphL ELISA® IgG and IgM HRP Kit for detection of IgG or IgM aPL antibodies. The *AphL ELISA® IgG and IgM HRP Kit* is designed for the measurement of antiphospholipid antibodies of the IgG and/or IgM isotype. The *AphL ELISA® IgG and IgM HRP Kit* contains 2 coated plates (192 wells) with sufficient reagents for up to 80 patients test and/or controls and **prediluted calibrators** for each isotype. (Peroxidase Conjugate)

LAPL-K-HRP-001G (FDA cleared for in vitro diagnostic use)

AphL ELISA® IgG HRP Kit for detection of IgG aPL antibodies. The *AphL ELISA® IgG HRP Kit* is designed for the measurement of antiphospholipid antibodies of the IgG isotype. The *AphL ELISA® IgG HRP Kit* contains 1 coated plate (96 wells) with sufficient reagents for up to 40 patients test and/or controls and **prediluted calibrators**. (Peroxidase Conjugate)

LAPL-K-HRP-001M (FDA cleared for in vitro diagnostic use)

AphL ELISA® IgM HRP Kit for detection of IgM aPL antibodies. The *AphL ELISA® IgM HRP Kit* is designed for the measurement of antiphospholipid antibodies of the IgM isotype. The *AphL ELISA® IgM HRP Kit* contains 1 coated plate (96 wells) with sufficient reagents for up to 40 patients test and/or controls and **prediluted calibrators**. (Peroxidase Conjugate)

ELISA KITS

LAPL-K-HRP-AB2GPI-1G (FDA cleared for in vitro diagnostic use)

LAPL™ aβ₂GPI IgG HRP ELISA Kit for detection of IgG anti-β₂ Glycoprotein I Antibodies.

This kit is designed for the measurement of IgG autoantibodies in human serum directed against serum β₂ Glycoprotein I (β₂GPI). The *LAPL™ aβ₂GPI HRP ELISA Kit* contains 1 plate (96 wells) with sufficient reagents for up to 42 patients test and/or controls and calibrators (in duplicates). (Peroxidase Conjugate)

LAPL-K- HRP-AB2GPI -1M (FDA cleared for in vitro diagnostic use)

LAPL™ aβ₂GPI IgM HRP ELISA Kit for detection of IgM anti-β₂ Glycoprotein I Antibodies.

This kit is designed for the measurement of IgM autoantibodies in human serum directed against serum β₂ Glycoprotein I (β₂GPI). The *LAPL™ aβ₂GPI HRP ELISA Kit* contains 1 plate (96 wells) with sufficient reagents for up to 42 patients test and/or controls and calibrators (in duplicates). (Peroxidase Conjugate)

LAPL-K- HRP-AB2GPI -1A (FDA cleared for in vitro diagnostic use)

LAPL™ aβ₂GPI IgA HRP ELISA Kit for detection of IgA anti-β₂ Glycoprotein I Antibodies.

This kit is designed for the measurement of IgA autoantibodies in human serum directed against serum β₂ Glycoprotein I (β₂GPI). The *LAPL™ aβ₂GPI HRP ELISA Kit* contains 1 plate (96 wells) with sufficient reagents for up to 42 patients test and/or controls and calibrators (in duplicates). (Peroxidase Conjugate)

LAPL-K-AP-A-0 (FDA cleared for in vitro diagnostic use)

APL™ IgA ELISA Kit for detection of IgA aCL antibodies.

The *APL™ IgA ELISA Kit* is designed for the measurement of anticardiolipin antibodies of the IgA isotype. The *APL™ IgA ELISA Kit* contains 1 coated plate (96 wells) with sufficient reagents for up to 40 patients test and/or controls and calibrators. (Alkaline Phosphatase Conjugate)

LAPL-K-AP-G-0

APL™ IgG ELISA Kit for detection of IgG aCL antibodies.

The *APL™ IgG ELISA Kit* is designed for the measurement of anticardiolipin antibodies of the IgG isotype. The *APL™ IgG ELISA Kit* contains 1 coated plate (96 wells) with sufficient reagents for up to 40 patients test and/or controls and calibrators. (Alkaline Phosphatase Conjugate)

LAPL-K-AP-M-0

APL™ IgM ELISA Kit for detection of IgM aCL antibodies.

The *APL™ IgM ELISA Kit* is designed for the measurement of anticardiolipin antibodies of the IgM isotype. The *APL™ IgM ELISA Kit* contains 1 coated plate (96 wells) with sufficient reagents for up to 40 patients test and/or controls and calibrators. (Alkaline Phosphatase Conjugate)

STANDARDS/CALIBRATORS
 (IN USA FOR RESEARCH ONLY)

LAPL-GM-300

(Sold separately as 1 set of LAPL-GM-300G and 1 set of LAPL-GM-300M)

Set of fourteen lyophilized Calibrators for the determination of IgG and IgM aCL antibodies, obtained by mixing various proportions of sera from IgG aCL high positive, IgM aCL high positive and pooled normal human serum. These Calibrators are suitable for the calibration of an ELISA test to detect IgG and IgM aCL antibodies in human serum or plasma. Each vial contains sufficient material that upon reconstitution with distilled water (dH₂O) yields 250µL of sera. Listed below are the values associated with each vial:

IgG Anticardiolipin (GPL)		IgM Anticardiolipin (MPL)	
Vial	Mean Value	Vial	Mean Value
GI	120	MI	80
GII	90	MII	70
GIII	70	MIII	60
GIV	45	MIV	45
GV	30	MV	30
GVI	10	MVI	10
GVII	5	MVII	5

LAPL-GM-300G

Set of seven lyophilized Calibrators for the determination of IgG aCL antibodies, obtained by mixing various proportions of sera from IgG aCL high positive and pooled normal human serum. These Calibrators are suitable for the calibration of an ELISA test to detect IgG antibodies in human serum or plasma. Each vial contains sufficient material that upon reconstitution with distilled water (dH₂O) yields 250µL of sera. Listed below are the values associated with each vial:

IgG Anticardiolipin (GPL)	
Vial	Mean Value
GI	120
GII	90
GIII	70
GIV	45
GV	30
GVI	10
GVII	5

STANDARDS/CALIBRATORS
 (IN USA FOR RESEARCH ONLY)

LAPL-GM-300M

Set of seven lyophilized Calibrators for the determination of IgM aCL antibodies, obtained by mixing various proportions of sera from IgM aCL high positive and pooled normal human serum. These Calibrators are suitable for the calibration of an ELISA test to detect IgM aCL antibodies in human serum or plasma. Each vial contains sufficient material that upon reconstitution with distilled water (dH₂O) yields 250µL of sera. Listed below are the values associated with each vial:

IgM Anticardiolipin (MPL)	
Vial	Mean Value
MI	80
MII	70
MIII	60
MIV	45
MV	30
MVI	10
MVII	5

LAPL-A-001

Set of six lyophilized Calibrators for determination of IgA aCL antibodies. These Calibrators are suitable for the calibration of an ELISA test to detect IgA aCL antibodies in human serum or plasma. Each vial contains sufficient material that upon reconstitution with dH₂O yields 120 µL of sera. Listed below are the values associated with each vial:

IgA anticardiolipin (APL)	
Mean Value	Vial
120	A4
80	A6
40	A8
20	A9
10	A10
2.7	A13

**POSITIVE CONTROLS
(FOR RESEARCH USE ONLY)**

LAPL-A-003H

A single vial of blended lyophilized High Positive Control sera of IgA aCL anticardiolipin antibodies. Reconstituted with 1000 μ L dH₂O, each vial contains sera yielding greater than 80 APL Units.

LAPL-A-003M

A single vial of blended lyophilized Medium Positive Control sera of IgA aCL anticardiolipin antibodies. Reconstituted with 1000 μ L dH₂O, each vial contains sera yielding greater than 20 APL Units and less than 80 APL Units.

LAPL-A-003L

A single vial of blended lyophilized Low Positive Control sera of IgA aCL anticardiolipin antibodies. Reconstituted with 1000 μ L dH₂O, each vial contains sera yielding greater than 10 APL Units and less than 20 APL Units.

LAPL-GM-004H

A single vial of blended lyophilized High Positive Control sera of IgG aCL antibodies. Reconstituted with 1000 μ l dH₂O, each vial contains sera yielding greater than 80 GPL Units.

LAPL-GM-004M

A single vial of blended lyophilized Medium Positive Control sera of IgG aCL antibodies. Reconstituted with 1000 μ l dH₂O, each vial contains sera yielding greater than 20 GPL Units and less than 80 GPL Units.

LAPL-GM-004L

A single vial of blended lyophilized Low Positive Control sera of IgG aCL antibodies. Reconstituted with 1000 μ l dH₂O, each vial contains sera yielding GPL Units with values greater than 10 GPL Units and less than 20 GPL.

LAPL-MM-004H

A single vial of blended lyophilized High Positive Control sera of IgM aCL antibodies. Reconstituted with 1000 μ l dH₂O, each vial contains sera yielding greater than 80 MPL Units.

LAPL-MM-004M

A single vial of blended lyophilized Medium Positive Control sera of IgM aCL antibodies. Reconstituted with 1000 μ l dH₂O, each vial contains sera yielding greater than 20 MPL Units and less than 80 MPL Units.

LAPL-MM-004L

A single vial of blended lyophilized Low Positive Control sera of IgM aCL antibodies. Reconstituted with 1000 μ l dH₂O, each vial contains sera yielding MPL Units with values greater than 10 MPL Units and less than 20 MPL.

LAPL-B2G-004

A single vial of blended lyophilized Positive Control sera of IgG aB2GPI antibodies. Reconstituted with 1000 μ l dH₂O, each vial contains sera yielding greater than 30 SGU Units.

LAPL-B2M-004

A single vial of blended lyophilized Positive Control sera of IgM aB2GPI antibodies. Reconstituted with 1000 μ l dH₂O, each vial contains sera yielding greater than 30 SMU Units.

LAPL-B2A-004

A single vial of blended lyophilized Positive Control sera of IgA aB2GPI antibodies. Reconstituted with 1000 μ l dH₂O, each vial contains sera yielding greater than 30 SAU Units.

Positive and Negative Controls for Other Individual Phospholipids

A single vial of blended lyophilized Positive sera of IgA, IgG, or IgM IPL antibodies or a blended lyophilized Negative sera of IgA, IgG, or IgM IPL antibodies in four different titers: low, medium, and high positive and negative.

Individual Phospholipids include: Phosphatidylserine, Phosphatidylinositol, Phosphatidylglycerol, Phosphatidylethanolamine, and Phosphatidic-acid. * * * Custom made upon request. * * *

**NEGATIVE CONTROL
(FOR RESEARCH USE ONLY)**

LAPL-00-GMA

A single vial of blended lyophilized Negative Control sera of IgG, IgM, and IgA aCL antibodies. Reconstituted with 1000 μ l dH₂O, each vial contains sera yielding less than 10 GPL, 10 MPL, and 15 APL Units, respectively.

LAPL-B2N-004

A single vial of blended lyophilized Negative Control sera of IgG, IgM, and IgA aCL antibodies. Reconstituted with 1000 μ l dH₂O, each vial contains sera yielding less than 20 SGU, 20 SMU, and 20 SAU Units, respectively.

**HUMAN β 2GLYCOPROTEIN I (β 2GPI)
(FOR RESEARCH USE ONLY)**

LAPL-GPI-100

100 μ g lyophilized human β 2GPI (apolipoprotein H) using a combination of ion exchange and affinity chromatography. Purity detected via non-reduced SDS-PAGE (4-12%) with one major band at 50 kDa (Silver stain). Additives: 0.2 M Glycine – 0.15 M NaCl .

NON-STOCK ITEMS

Positive Controls and Positive Samples can be manufactured to give a narrower range in MPL, GPL, or APL Units and different volumes.

Human β_2 Glycoprotein-I can be manufactured in different quantity requirements.

Shipping and Handling

Domestic Overnight Service	By FedEx, UPS, or selected carrier
Domestic 2nd Day Service	By FedEx, UPS, or selected carrier
International Service	By FedEx, UPS, or selected carrier
Handling charges per shipping	Varies
Insulated box: Small, Medium, or Large	Varies

Discounts Available for Large Orders

Terms

SALES TERMS - 30 Days net date of invoice. Balances remaining unpaid at Due Date are subject to a service charge of 1.5% PER MONTH UNTIL PAID. Customer agrees to pay all costs, including, but not limited to, reasonable attorney and accounting fees and other expenses of collection resulting from any default by customer in any of the terms.

RETURNS - Goods may be returned for credit strictly with Louisville APL Diagnostics, Inc.'s permission.

RESTOCKING CHARGE - If upon receipt of goods the customer requests a change, a 15% restocking charge will be assessed.

Orders

Orders may be placed by **email to order@louisvilleapl.com**, by phone calling to 770-455-7129, faxing your purchase order to (844) 721-8193, or by mail to **Louisville APL Diagnostics, Inc.**, 702 9TH ST, STE A, TEXAS CITY, TX 77590-7541 USA. *Please remember to include your purchase order number when making your request.*

Visa, MasterCard, and American Express accepted. Please call to 770-455-7129 to give credit card information. S.D.S and Certificate of Analysis are available upon request.

Each customer is responsible for paying duties and taxes levied by their respective government for goods sold and shipped to them outside of the USA.

Customer Service

Call 1-770-455-7129 between the hours of 9:30 AM and 4:30 PM C.S.T. with any technical questions on our products. You may also reach us via e-mail at **support@louisvilleapl.com**

Visit our web site at <http://www.louisvilleapl.com> and leave your comments to feedback@louisvilleapl.com. Order by email writing to **order@louisvilleapl.com**