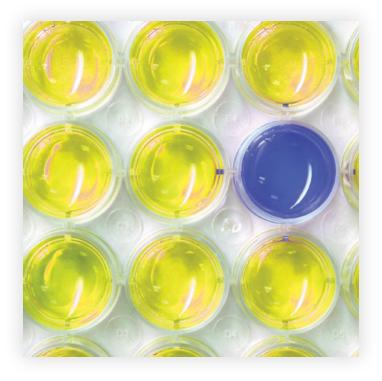
QUANTA Lite®



ELISA

QUANTA Lite ELISA tests are made of the highest quality components to enable semi-quantitative[†] detection of autoantibodies for a variety of disease states:

- Antiphospholipid
 Syndrome
- Connective Tissue Diseases
- Rheumatoid Arthritis
- Gastrointestinal Disease
- Celiac Disease
- Liver Disease
- Vasculitis
- Autoimmune Thyroid Disease

Celiac Disease

Celiac disease remains highly under diagnosed, especially in children. Inova Diagnostics is very proud to have introduced QUANTA Lite Gliadin II (DGP), the first commercial deamidated gliadin peptide (DGP) ELISA, in 2005. This assay is particularly useful in pediatric populations.

NAME	DESCRIPTION	ANTIGEN	PACKAGE	PART #
QUANTA Lite h-tTG IgA (Human Tissue Transglutaminase)	Detection of anti-tissue transglutaminase (endomysium) IgA antibodies in human serum	Native (human red blood cell)	1 X 96 wells 10 X 96 wells	708760 708760.10
QUANTA Lite h-tTG IgG (Human Tissue Transglutaminase)	Detection of anti-tissue transglutaminase (endomysium) lgG antibodies in human serum	Native (human red blood cell)	1 X 96 wells	708755
QUANTA Lite R h-tTG lgA	In-vitro measurement of specific IgA autoantibodies against tissue transglutaminase (tTG) present in human serum, as an aid in the diagnosis of celiac disease	Recombinant	1 X 96 wells 10 X 96 wells	704605 704605.10
QUANTA Lite R h-tTG lgG	In-vitro measurement of specific IgG autoantibodies against tissue transglutaminase (tTG) present in human serum, as an aid in the diagnosis of celiac disease	Recombinant	1 X 96 wells 10 X 96 wells	704610 704610.10
QUANTA Lite h-tTG Screen	Detection of IgA and IgG human tissue transglutaminase (h-tTG) antibodies in human serum	Native (human red blood cell)	1 X 96 wells	704570
QUANTA Lite Gliadin IgA II	Detection of IgA antibodies to synthetic, deamidated gliadin-derived peptides (DGP) in human serum	Synthetic, deamidated peptide	1 X 96 wells 10 X 96 wells	704525 704525.10
QUANTA Lite Gliadin IgG II	Detection of IgG antibodies to synthetic, deamidated gliadin-derived peptides (DGP) in human serum	Synthetic, deamidated peptide	1 X 96 wells 10 X 96 wells	704520 704520.10
QUANTA Lite Celiac DGP Screen	Detection of IgA and IgG antibodies to synthetic, deamidated gliadin-derived peptides in human serum	Synthetic, deamidated peptide	1 X 96 wells	704545

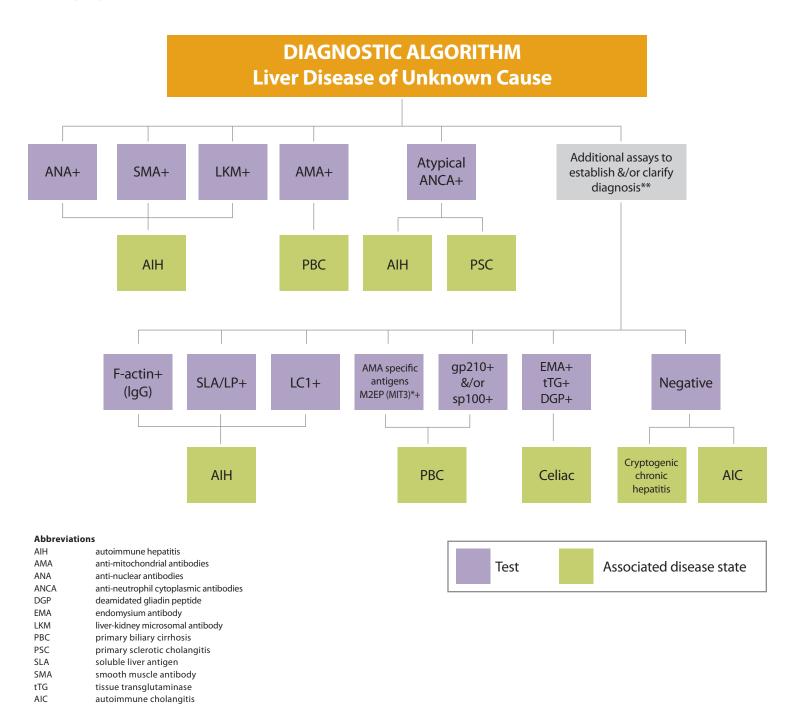
Celiac Disease (continued)

NAME	DESCRIPTION	ANTIGEN	PACKAGE	PART #
QUANTA Lite h-tTG/DGP Screen	Detection of IgA and IgG antibodies to synthetic, deamidated gliadin-derived peptides (DGP) and human tissue transglutaminase (h-tTG) in human serum	h-tTG native (human red blood cell); DGP peptide (synthetic, deamidated)	1 X 96 wells	704575
QUANTA Lite Gliadin IgA	Detection of anti-gliadin IgA antibodies in human serum	Native	1 X 96 wells	708655
QUANTA Lite Gliadin IgG	Detection of anti-gliadin IgG antibodies in human serum	Native	1 X 96 wells	708650
QUANTA Lite F-Actin lgA	Detection of IgA antibodies to the F-Actin component of smooth muscle in human serum	Native	1 X 96 wells	704500

QUANTA Lite[®] (ELISA)

Liver Disease

Inova Diagnostics offers a comprehensive menu of tests to aid in the diagnosis of autoimmune hepatitis (AIH) and primary biliary cirrhosis (PBC).



Testing strategies provided for informational purposes only. Testing and diagnosis should be determined by a licensed clinician.

From: A.J. Czaja & G.L. Norman, J. Clin. Gastrenterol, 2003, 37:315-327, modified by G.L. Norman 01/09

** Other assays with possible prognostic value: chromatin and dsDNA

* M2 EP (MIT3) ELISA contains immunodominant epitope of PDC-E2, OGDC-E2 & BCOADC-E2

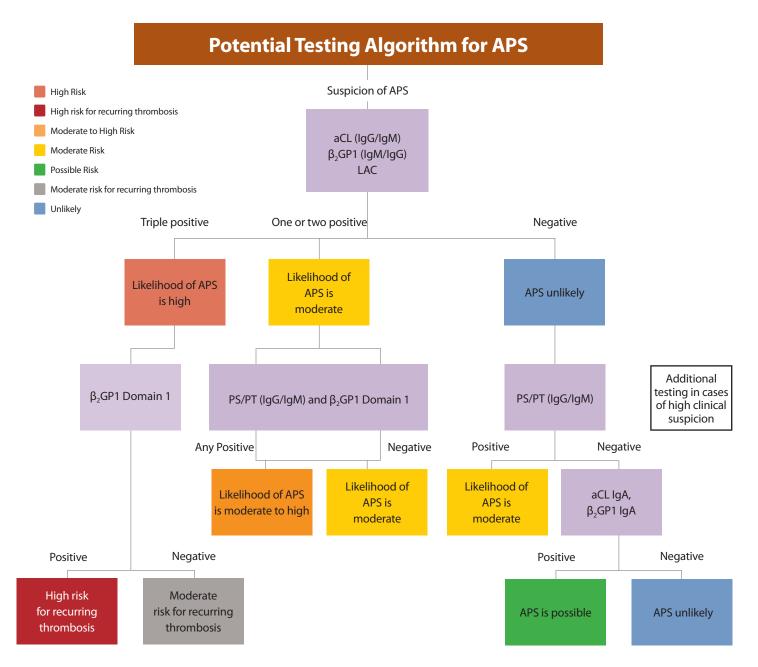
Liver Disease

NAME	DESCRIPTION	ANTIGEN	PACKAGE	PART #
QUANTA Lite Actin lgG	Detection of IgG antibodies to the actin component of smooth muscle in human serum	Native	1 X 96 wells 10 X 96 wells	708785 708785.10
QUANTA Lite M2 EP (MIT3)	Detection of anti-mitochondria IgG antibodies in human serum	Recombinant	1 X 96 wells 10 X 96 wells	704540 704540.10
QUANTA Lite gp210	Detection of anti-gp210 lgG antibodies in human serum	Synthetic peptide	1 X 96 wells	708995
QUANTA Lite sp100	Detection of anti-sp100 lgG antibodies in human serum	Synthetic peptide	1 X 96 wells	708990
QUANTA Lite PBC Screen lgG/lgA	Detection of anti-mitochondrial, -gp210 and -sp100 lgG and/or lgA antibodies in human serum	MIT3 recombinant; sp100 & gp210 synthetic peptides	1 X 96 wells	704560
QUANTA Lite SLA (Soluble Liver Antigen)	Detection of anti-Soluble Liver Antigen (SLA) IgG antibodies in human serum	Recombinant	1 X 96 wells	708775
QUANTA Lite LKM-1	Detection of anti-LKM-1 IgG antibodies in human serum	Recombinant	1 X 96 wells	708745

QUANTA Lite[®] (ELISA)

Antiphospholipid Syndrome

Inova Diagnostics has long been at the forefront of laboratory tests that aid in the diagnosis of antiphospholipid syndrome, offering a comprehensive menu of serological markers including criteria as well as specialty non-criteria markers.¹



Likelihood of APS based on testing outcome	Risk outcome
High	Triple positivity is the strongest risk factor for clinical manifestations ^{2-6,9}
Moderate to high	 Titers and isotype need to be considered⁴⁻⁶ Inclusion of PS/PT results in excellent diagnostic accuracy and a predictor of adverse events^{2-6,9}
Moderate	 PS/PT may identify patients with APS who are negative for serological criteria markers¹⁰ Positivity for at least one of the criteria markers increases likelihood for APS Titers and isotype need to be considered (Antibodies of IgG isotype represent higher risk than that of IgM, and higher antibody level implies higher risk)⁴⁻⁶
Possible	 All criteria markers negative but one or more esoteric marker positive; APS possible, but likelihood only marginally increased¹¹⁻¹² Isolated IgA antibody positivity has been described in association with APS^{9, 13-14}
Unlikely	All markers are negative which makes APS unlikely, but can not be excluded ¹¹⁻¹²

Antiphospholipid Syndrome

NAME	DESCRIPTION	ANTIGEN	PACKAGE	PART #
QUANTA Lite ACA lgG III	Detection of anti-cardiolipin IgG antibodies in human serum	Native	1 X 96 wells 10 X 96 wells	708625 708625.10
QUANTA Lite ACA IgM III	Detection of anti-cardiolipin IgM antibodies in human serum	Native	1 X 96 wells 10 X 96 wells	708630 708630.10
QUANTA Lite ACA IgA III	Detection of anti-cardiolipin IgA antibodies in human serum	Native	1 X 96 wells 10 X 96 wells	708635 708635.10
QUANTA Lite ACA Screen III	Detection of anti-cardiolipin IgG, IgM and IgA antibodies in human serum	Native	1 X 96 wells	708620
QUANTA Lite β_2 GPI lgG	Detection of anti- $\beta_2 GPI$ IgG antibodies in human serum	Native	1 X 96 wells 10 X 96 wells	708665 708665.10
QUANTA Lite β_2 GPI lgM	Detection of IgM anti- β_2 GPI antibodies in human serum	Native	1 X 96 wells 10 X 96 wells	708670 708670.10
QUANTA Lite β_2 GPI IgA	Detection of anti- β_2 GPI IgA antibodies in human serum	Native	1 X 96 wells 10 X 96 wells	708675 708675.10
QUANTA Lite β_2 GPI Screen ELISA	A qualitative ELISA assay for the detection of anti- β_2 GPI IgG, IgM and IgA antibodies in human serum	Native	1 X 96 wells	708660

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Antiphospholipid Syndrome (continued)

NAME	DESCRIPTION	ANTIGEN	PACKAGE	PART #
QUANTA Lite aPS/PT IgG	Detection of IgG class antibodies to phosphatidylserine/ prothrombin complex (PS/PT) in serum or plasma	Native	1 X 96 wells	708835
QUANTA Lite aPS/PT IgM	Detection of IgM class antibodies to phosphatidylserine/ prothrombin complex (PS/PT) in serum or plasma	Native	1 X 96 wells	708845
QUANTA Lite Phosphatidylserine IgG	In-vitro measurement of IgG anti-phosphatidylserine antibodies in human serum, as an aid in the diagnosis of anti-phospholipid syndrome (APS)	Native	1 X 96 wells 10 X 96 wells	704625 704625.10
QUANTA Lite Phosphatidylserine IgM	In-vitro measurement of IgM anti-phosphatidylserine antibodies in human serum, as an aid in the diagnosis of anti-phospholipid syndrome (APS)	Native	1 X 96 wells 10 X 96 wells	704630 704630.10
QUANTA Lite Phosphatidylserine IgA	In-vitro measurement of IgA anti-phosphatidylserine antibodies in human serum, as an aid in the diagnosis of anti-phospholipid syndrome (APS)	Native	1 X 96 wells 10 X 96 wells	704635 704635.10

Rheumatoid Arthritis

The revised classification criteria issued in 2010 for rheumatoid arthritis (RA) emphasize the need for early and accurate diagnosis. The QUANTA Lite[®] CCP3.1 IgG/IgA ELISA offers superior detection of early RA compared with CCP2¹. Clearly defined positive and high positive cut-offs provide results that rheumatologists require.

NAME	DESCRIPTION	ANTIGEN	PACKAGE	PART #
QUANTA Lite CCP3.1 lgG/lgA	Detection of anti-CCP 3.1 IgG and IgA antibodies in patient sera, citrated or EDTA plasma	Synthetic peptide	1 X 96 wells 10 X 96 wells	704550 704550.10
QUANTA Lite CCP3 lgG	Detection of anti-CCP 3 IgG antibodies in patient sera, citrated or EDTA plasma	Synthetic peptide	1 X 96 wells 10 X 96 wells	704535 704535.10
QUANTA Lite RF lgG	Detection of anti-rheumatoid factor (RF) IgG antibodies in human serum	Native	1 X 96 wells	708685
QUANTA Lite RF lgM	Detection of anti-rheumatoid factor (RF) IgM antibodies in human serum	Native	1 X 96 wells	708690
QUANTA Lite RF IgA	Detection of anti-rheumatoid factor (RF) IgA antibodies in human serum	Native	1 X 96 wells	708695

Connective Tissue Diseases

Lupus and lupus-like diseases present clinicians with a tremendous diagnostic challenge. Tests which stand apart from the rest include the QUANTA Lite[®] ANA ELISA with a broad array of antigens as well as HEp-2 nuclear extracts, and the QUANTA Lite Chromatin ELISA with excellent performance.

NAME	DESCRIPTION	ANTIGEN	PACKAGE	PART #
QUANTA Lite ANA	Detection of anti-nuclear IgG antibodies (ANA) in human serum	Native, recombinant, extracts from HEp-2 nuclei and nucleoli	1 X 96 wells	708750
QUANTA Lite dsDNA	Detection of anti-dsDNA IgG antibodies in human serum	Native	1 X 96 wells	708510
QUANTA Lite dsDNA SC (Double Stranded DNA)	In-vitro measurement of specific IgG autoantibodies against dsDNA present in human serum, as an aid to the diagnosis of systemic lupus erythematosus (SLE), in conjunction with other clinical findings. Five calibrators allow for creation of standard curve (SC)	Native	1 X 96 wells	704650
QUANTA Lite HA dsDNA	In-vitro measurement of specific high avidity IgG autoantibodies against dsDNA present in human serum, as an aid to the diagnosis of systemic lupus erythematosus (SLE), in conjunction with other clinical findings. Five calibrators allow for creation of standard curve	Native	1 X 96 wells	704615
QUANTA Lite Chromatin	Detection of anti-chromatin IgG antibodies in human serum	Native	1 X 96 wells	708710
QUANTA Lite C1q CIC	In-vitro measurement of circulating immune complexes (CIC) that bind C1q, present in human serum. It is intended for the determination of CIC in serum of patients with various autoimmune and other CIC-related diseases, and is used in conjunction with other clinical findings	Native	1 X 96 wells	704620
QUANTA Lite Anti-C1q*	Detection of anti-C1q antibodies in human serum	Native	1 X 96 wells	704565
QUANTA Lite Centromere	Detection of anti-centromere IgG antibodies specifically reactive to the CENP-A and CENP-B antigens in human serum	Recombinant	1 X 96 wells	708770

Connective Tissue Diseases (continued)

NAME	DESCRIPTION	ANTIGEN	PACKAGE	PART #
QUANTA Lite HMGCR*	Semi-quantitative detection of IgG anti-HMGCR antibodies in human serum	Native	1 x 96 wells	704760
QUANTA Lite Histone	Detection of anti-histone IgG antibodies in human serum	Native	1 X 96 wells	708510
QUANTA Lite Jo-1	Detection of anti-Jo-1 IgG antibodies in human serum	Recombinant	1 X 96 wells	708585
QUANTA Lite Ribosome P	Detection of anti-Ribosome P IgG antibodies in human serum	Synthetic peptide	1 X 96 wells	708600
QUANTA Lite RNA Pol III	Detection of anti-RNA Polymerase III IgG antibodies in human serum	Recombinant	1 X 96 wells	704555
QUANTA Lite RNP	Detection of anti-RNP IgG antibodies in human serum	Native	1 X 96 wells	708565
QUANTA Lite Scl-70	Detection of anti-Scl-70 lgG antibodies in human serum	Native	1 X 96 wells	708580
QUANTA Lite Sm	Detection of anti-Sm IgG antibodies in human serum	Native	1 X 96 wells	708560
QUANTA Lite SS-A	Detection of anti-SS-A (60kDa & 52kDA) IgG antibodies in human serum	SS-A 52 recombinant; SS-A 60 native	1 X 96 wells	708570
QUANTA Lite SS-A 52	Detection of anti-SS-A 52 lgG antibodies in human serum	Recombinant	1 X 96 wells	704505

Connective Tissue Diseases (continued)

NAME	DESCRIPTION	ANTIGEN	PACKAGE	PART #
QUANTA Lite SS-B	Detection of anti-SS-B IgG antibodies in human serum	Recombinant	1 X 96 wells	708575
QUANTA Lite ssDNA (Single Stranded DNA)	Detection of anti-ssDNA IgG antibodies in human serum. When used in conjunction with QUANTA Lite dsDNA, can aid in the diagnosis of systemic lupus erythematosus (SLE) and certain other rheumatic diseases	Native	1 X 96 wells	708525
QUANTA Lite ENA 4 (Sm, RNP, SS-A and SS-B Screening Test)	Detection of anti-Sm, RNP, SS-A (60kDa and 52kDA) and SS-B lgG antibodies in human serum	SS-A 52 recombinant; SS-A 60 native; SS-B recombinant; Sm native; RNP native	1 X 96 wells	708555
QUANTA Lite ENA 5 (Sm, RNP, SS-A, SS-B and Scl-70 Screening Test)	This assay is designed for the detection of anti-Sm, RNP, SS-A (60kDa and 52kDa), SS-B and Scl-70 IgG antibodies in human serum	SS-A 52 recombinant; SS-A 60 native; SS-B recombinant; Sm native; RNP native; Scl-70 native	1 X 96 wells	708610
QUANTA Lite ENA 6 (Sm, RNP, SS-A, SS-B, Scl-70 and Jo-1 Screening Test)	This assay is designed for the detection of anti-Sm, RNP, SS-A (60kDa and 52kDa), SS-B, ScI-70 and Jo-1 IgG antibodies in human serum	SS-A 52 recombinant; SS-A 60 native; SS-B recombinant; Sm native; RNP native; Scl-70 native; Jo-1 recombinant	1 X 96 wells	708615
QUANTA Lite ENA Profile EIA*	This kit is designed for the in-vitro qualitative screening of human serum for the presence of specific IgG autoantibodies against extractable nuclear antigens (ENAs) namely; SSA/Ro (60 and 52kD), SSB/La, Sm, Sm/ RNP, Scl-70 and Jo-1, as an aid in the diagnosis of certain systemic rheumatic diseases	SS-A 52 recombinant; SS-A 60 native; SS-B recombinant; Sm native; RNP native; Scl-70 native; Jo-1 recombinant	1 X 96 wells	704715

Vasculitis

Inova Diagnostics' vasculitis menu has expanded with the addition of the QUANTA Lite PR3 SC and QUANTA Lite MPO SC, both offering 5 point standard curve calibration.

NAME	DESCRIPTION	ANTIGEN	PACKAGE	PART #
QUANTA Lite MPO lgG	Detection of anti-myeloperoxidase (MPO) IgG antibodies in human serum	Native	1 X 96 wells 10 X 96 wells	708700 708700.10
QUANTA Lite MPO SC	In-vitro measurement of specific IgG autoantibodies against myeloperoxidase (MPO) present in serum, as an aid to the diagnosis of certain types of autoimmune vasculitis. Five calibrators allow for creation of standard curve	Native	1 X 96 wells 10 X 96 wells	704655 704655.10
QUANTA Lite PR-3 lgG	Anti-serine protease 3 (PR-3) IgG antibodies in human serum	Native	1 X 96 wells 10 X 96 wells	708705 708705.10
QUANTA Lite PR3 SC	In-vitro measurement of specific IgG autoantibodies against proteinase 3 (PR3) present in human serum, as an aid in the diagnosis of Wegener's granulomatosis and certain forms of autoimmune vasculitis. Five calibrators allow for creation of standard curve	Native	1 X 96 wells 10 X 96 wells	704660 704660.10
QUANTA Lite GBM	Anti-glomerular basement membrane (GBM) IgG antibodies in human serum	Native	1 X 96 wells 10 X 96 wells	708740 708740.10

Autoimmune Thyroid Disease

NAME	DESCRIPTION	ANTIGEN	PACKAGE	PART #
QUANTA Lite Thyroid T	Detection of anti-thyroglobulin IgG antibodies in human serum	Native	1 X 96 wells	708595
QUANTA Lite TPO	Anti-thyroid peroxidase (TPO) IgG antibodies in human serum	Recombinant	1 X 96 wells	708725

QUANTA Chek[™] Quality Control Panels[‡]

NAME	DESCRIPTION	PACKAGE	PART #
QUANTA Chek ANA Panel	Quality control of IFA and ELISA antinuclear antibody procedures. Each serum serves as both a pattern control and a titratable sensitivity control. The staining pattern and intensity for each serum has been calibrated by testing it on NOVA Lite HEp-2 slides and QUANTA Lite ANA kits	10 X 0.15mL	708111
QUANTA Chek ANCA Panel	Quality control of IFA and ELISA autoantibody procedures. Each serum serves as both a pattern control and a titratable sensitivity control. The staining pattern and intensity for each serum has been calibrated by testing it on Inova Diagnostics' Neutrophil slides and QUANTA Lite MPO and PR-3 kits	8 X 0.15mL	708112
QUANTA Chek Celiac Panel	Quality control of IFA and ELISA autoantibody procedures. Each serum serves as both a pattern control and a titratable sensitivity control. The staining pattern and intensity for each serum has been calibrated by testing it on NOVA Lite Endomysial slides and QUANTA Lite h-tTG IgA, h-tTG IgG, Gliadin IgG II and Gliadin IgA II kits	8 X 0.15mL	708113
QUANTA Chek Coagulation Panel	Quality control of ACA and β_2 GPI autoantibody ELISA procedures. Each serum serves as both a sensitivity and specificity control. Each serum has been calibrated by testing it on QUANTA Lite ACA and QUANTA Lite β_2 GPI kits	8 X 0.15mL	708114
QUANTA Chek ENA Panel	Quality control of extractable nuclear antibody (ENA) assay in the QUANTA Lite ENA ELISA procedure. Each serum serves as both a sensitivity and a specificity control. Each serum has been calibrated by testing it on QUANTA Lite ENA ELISA kits	8 X 0.15mL	708115

Calibration and Standard Sets

NAME	DESCRIPTION	PACKAGE	PART #
IgG Sapporo Standard (HCAL)	International standard for the quality control of anti-cardiolipin IgG (aCL) and anti- β_2 glycoprotein I (β_2 GPI) IgG antibody ELISA products. The IgG Sapporo Standard (HCAL) can be serially diluted in order to make a standard curve, or it can be used as a single point control	1 X 0.1mL	508668
IgM Sapporo Standard (EY2C9)	International standard for the quality control of anti-cardiolipin IgM (aCL) and anti- β_2 glycoprotein I (β_2 GPI) IgM antibody ELISA products. The IgM Sapporo Standard (EY2C9) can be serially diluted in order to make a standard curve, or it can be used as a single point control	1 X 0.1mL	508673
QUANTA Lite dsDNA Standard Set*	Pre-diluted 5-point standard curve and positive curve to be used in conjunction with QUANTA Lite dsDNA (708510)	5 X 1.2mL	508512
QUANTA Lite Gliadin IgA Il Calibrator Set*	Pre-diluted 5-point standard curve and positive control to be used in conjunction with QUANTA Lite Gliadin IgA II ELISA (704525)	6 X 1.2mL	504528
QUANTA Lite Gliadin IgG Il Calibrator Set*	Pre-diluted 5-point standard curve and positive control to be used in conjunction with QUANTA Lite Gliadin IgG II ELISA (704520)	6 X 1.2mL	504524
QUANTA Lite h-tTG IgA Calibrator Set*	Pre-diluted 5-point standard curve and positive control to be used in conjunction with QUANTA Lite h-tTG IgA ELISA (708760)	5 X 1.2mL	508763
QUANTA Lite GBM Calibrator Set*	Pre-diluted 5-point standard curve and positive control to be used in conjunction with QUANTA Lite GBM ELISA (708740)	6 X 1.2mL	508744
QUANTA Lite MPO lgG Calibrator Set*	Pre-diluted 5-point standard curve and positive control to be used in conjunction with QUANTA Lite MPO IgG ELISA (708700)	6 X 1.2mL	508703
QUANTA Lite PR3 lgG Calibrator Set*	Pre-diluted 5-point standard curve and positive control to be used in conjunction with QUANTA Lite PR-3 IgG ELISA (708705)	6 X 1.2mL	508708