

BioSystems

Autoimmunity product list



BioSystems

A global
biotechnology
company
that develops
analytical
solutions in the
way you need.

+40 years offering quality products



Argentina
Brazil
Chile
China
France
India
Italy
Korea
Mexico
Philippines
Portugal
Romania
Russia
Spain
Thailand
Türkiye
USA

+100 Markets with distributor partners

25K Users served

+780 People in 18 countries

02 Manufacturing sites

45K Analysers over 40 years

Summary

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Devices



Dimensions



Highlights

- Adaptable racks to 3 sample tube types (13 mm x 75 mm, 15 mm x 100 mm or 2 mL).
- Reagents reservoirs: 1 L washing solution bottle, 3 L waste bottle, 3 L buffer bottle.
- Needle with conductimetric level detector.
- Slide washing flux system utilizing simultaneous dispensing and suction probes.
- On-board automatic barcode reader.

Item

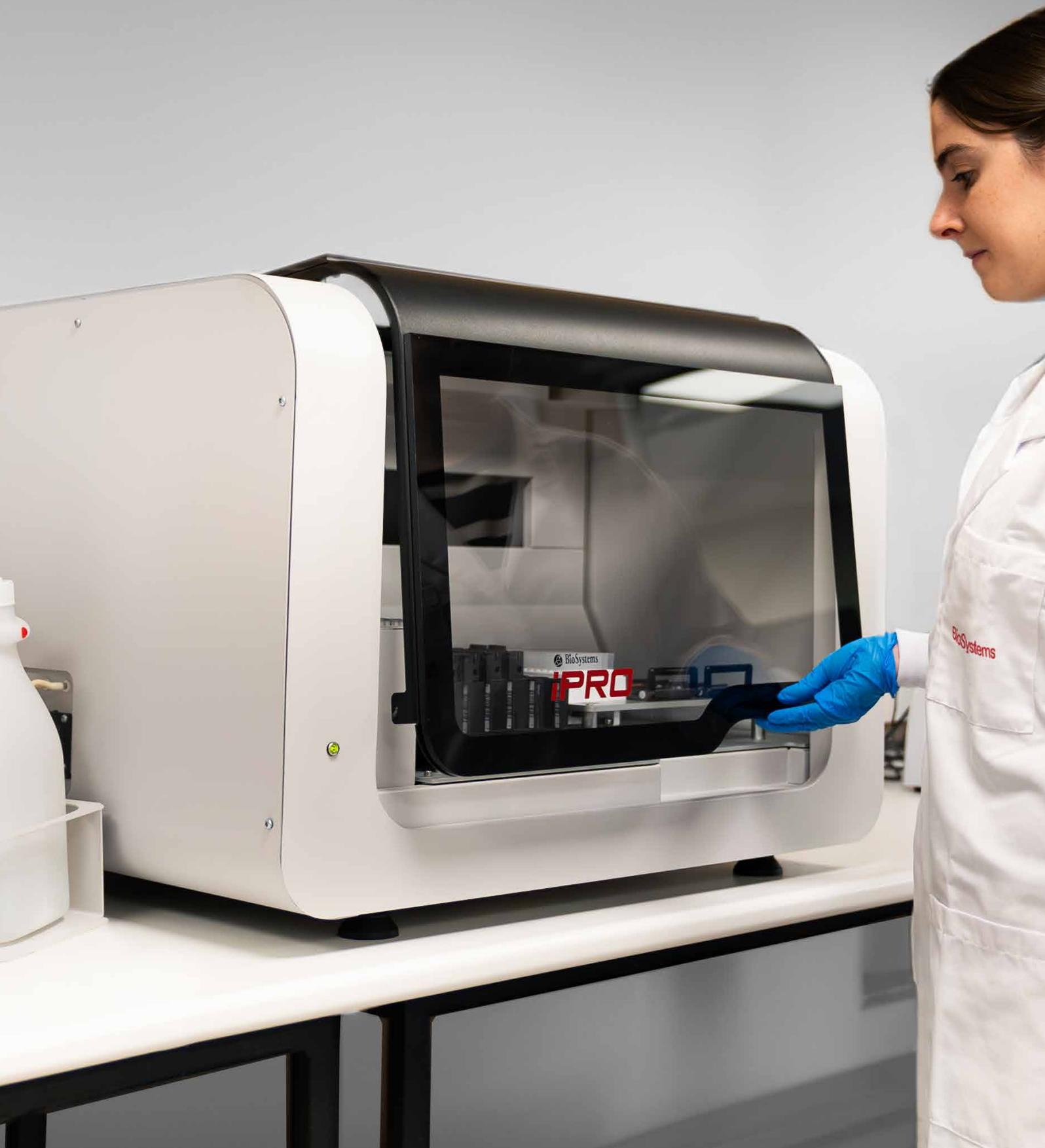
Quantity

Code

iPRO processor	-	84101
PBS (10x)	100 mL	44592
PBS (10x)	500 mL	44962
Concentrated washing solution	100 mL	BO13416
iPRO dilution tubes (1.1 mL)	120 strips	AC14682



Improved to work more
and better in less space.



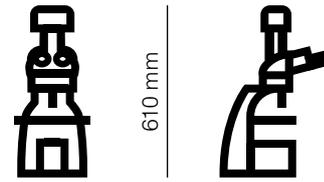




Dimensions

220 mm

400 mm



Highlights

- Optical system infinity-corrected plan objectives (10x/0.25, 20x/0.40, 40x/0.65 and 100x/1.25).
- High power blue LED fluorescence light (470-480 nm).
- Automatic light switch-off thanks to the iCare function.
- High speed camera: with sCMOS Sony sensor and high speed USB 3.0 connection.
- Intuitive and user-friendly software.

Item

imLD (optical microscope, fluorescence module, trinocular head)
 Trinocular head
 Digital camera
 Fluorescence module
 10x/0.25 objective
 20x/0.40 objective
 40x/0.65 objective
 100x/1.25 objective*

Code

84201
 AC17455
 AC17454
 AC17462
 AC17540
 AC17541
 AC17542
 AC17543

* This item is not included in the 84201 code.



Years of experience developing our own fluorescence module adapted to our kits.









Reagents



Benefits of our reagents

Reduce costs and labour.

Several presentations of each reagent are available, with different volumes to adapt to your needs. Save costs and efforts by using our ready-to-use reagents with a shelf life of up to 36 months and high on-board stability.

Reduce risks, ensure results.

All our assays are validated according to reference methods and using different sample types, offering excellent accuracy and more reliable patient results.

Systemic solutions.

We seek to offer a complete solution to our users. By using our reagents together with our devices, optimal results are guaranteed. Standards and controls traceable to reference materials are available for most Autoimmune tests.

Get advice and support.

We offer additional material as brochures, scientific articles, technical sheets, and technical support for our reagents. Improve the patient care with all the help and advice tools provided by BioSystems.

Facilities and assistance all the way.

Ease your diagnostic routine with our complete portfolio of products and the automation system that matches your needs. Altogether, it allows you to perform the diagnosis of the most prevalent and relevant autoimmune diseases.

Test menu

SYSTEMIC AUTOIMMUNE DISEASES

Immunofluorescence

ANTI-NUCLEAR ANTIBODIES HEp-2 (ANA-HEp-2)
ANTI-nDNA ANTIBODIES (nDNA)
ANTI-NEUTROPHIL CYTOPLASMIC ANTIBODIES (ANCA)
ANTI-KERATIN ANTIBODIES (AKA)
AUTOANTIBODIES DUO

ELISA

ANA-SCREENING
ENA 6-SCREENING
ANTI-Sm ANTIBODIES
ANTI-Sm/RNP ANTIBODIES
ANTI-SSA (Ro) ANTIBODIES
ANTI-SSB (La) ANTIBODIES
ANTI-CENTROMERE B ANTIBODIES (CENP-B)
ANTI-Jo1 ANTIBODIES
ANTI-Scl70 ANTIBODIES
ANTI-HISTONES ANTIBODIES (HIST)
ANTI-NUCLEOSOME ANTIBODIES (NCL)
ANTI-dsDNA ANTIBODIES
ANTI-CITRULLINATED PROTEIN ANTIBODIES (ACPA)
ANTI-CARDIOLIPIN ANTIBODIES (ACA-IgG/IgM)
ANTI-PHOSPHOLIPID ANTIBODIES IgG/IgM (APLA)
ANTI- β 2-GLYCOPROTEIN 1 ANTIBODIES IgG/IgM (β 2-GP1)
ANTI-ANNEXIN V ANTIBODIES IgG/IgM (ANX)
ANTI-PR3 ANTIBODIES
ANTI-MPO ANTIBODIES

ORGAN-SPECIFIC AUTOIMMUNE DISEASES

Immunofluorescence

ANTI-ENDOMYSIUM ANTIBODIES (AEA)
AUTOANTIBODIES RL/RK/RS (ANA-AMA-ASMA-APCA-LKM)
AUTOANTIBODIES MsL/MsK/MsS (ANA-AMA-ASMA-APCA-LKM)
ANTI-ADRENAL CORTEX ANTIBODIES (AACA)
ANTI-STRIATED MUSCLE ANTIBODIES (AStMA)
ANTI-ISLET CELL ANTIBODIES (AICA)
ANTI-THYROID ANTIBODIES (ATA)
ANTI-SKIN ANTIBODIES (ASA)
GLOMERULAR BASEMENT MEMBRANE ANTIBODIES (GBMA)

ELISA

ANTI-TTRANSGLUTAMINASE IgA ANTIBODIES (Anti-tTG IgA)
ANTI-TTRANSGLUTAMINASE IgG ANTIBODIES (Anti-tTG IgG)
ANTI-DEAMIDATED GLIADIN (DGP-IgG)
ANTI-DEAMIDATED GLIADIN (DGP-IgA)
ANTI-SACCHAROMYCES CEREVISIAE ANTIBODIES IgG/IgA (ASCA)
ANTI-THYROID PEROXIDASE ANTIBODIES (anti-TPO)
ANTI-THYROGLOBULIN ANTIBODIES (anti-TG)
ANTI-INSULIN ANTIBODIES
ANTI-M2 ANTIBODIES (M2)
ANTI-GLOMERULAR BASEMENT MEMBRANE ANTIBODIES (GBM)

Immunofluorescence tests

Code	Quantity	Description
ANTI-NUCLEAR ANTIBODIES HEp-2 (ANA-HEp-2)		
HEp-2 cells		
44108	24 tests	Complete kit, 6 wells
44508	60 tests	Complete kit, 6 wells
44509	120 tests	Complete kit, 12 wells
44546	10 slides	Slide box, 6 wells
44547	10 slides	Slide box, 12 wells
ANTI-nDNA ANTIBODIES (nDNA)		
Crithidia luciliae		
44825	24 tests	Complete kit, 6 wells
44818	60 tests	Complete kit, 6 wells
44817	120 tests	Complete kit, 12 wells
44820	10 slides	Slide box, 6 wells
44819	10 slides	Slide box, 12 wells
ANTI-NEUTROPHIL CYTOPLASMIC ANTIBODIES (ANCA)		
Ethanol fixed ANCA		
44850	24 tests	Complete kit, 6 wells
44851	60 tests	Complete kit, 6 wells
44852	10 slides	Slide box, 6 wells
Formalin fixed ANCA		
44878	10 slides	Slide box, 6 wells
44898	60 tests	Complete kit, 6 wells
ANTI-ENDOMYSIUM ANTIBODIES (AEA)		
Monkey Oesophagus (Endomysium)		
44548	48 tests	Complete kit, 4 wells
44715	96 tests	Complete kit, 8 wells
44557	12 slides	Slide box, 4 wells
44710	12 slides	Slide box, 8 wells
AUTOANTIBODIES RL/RK/RS (ANA-AMA-ASMA-APCA-LKM)		
Rat Liver/Kidney/Stomach		
44558	48 tests	Complete kit, 4 wells
44648	96 tests	Complete kit, 8 wells
44570	12 slides	Slide box, 4 wells
44639	12 slides	Slide box, 8 wells
AUTOANTIBODIES MsL/MsK/MsS (ANA-AMA-ASMA-APCA-LKM)		
Mouse Liver/Kidney/Stomach		
44826	12 slides	Slide box, 4 wells
44827	12 slides	Slide box, 8 wells
GLOMERULAR BASEMENT MEMBRANE ANTIBODIES (GBMA)		
Monkey Kidney		
44588	12 slides	Slide box, 4 wells

Code	Quantity	Description
ANTI-ADRENAL CORTEX ANTIBODIES (AACA)		
44575	48 tests	Monkey Adrenal Complete kit, 4 wells
44574	12 slides	Slide box, 4 wells
ANTI-STRIATED MUSCLE ANTIBODIES (AStMA)		
44649	12 slides	Rat Striated Muscle Slide box, 4 wells
ANTI-ISLET CELL ANTIBODIES (AICA)		
44609	48 tests	Monkey Pancreas Complete kit, 4 wells
44572	12 slides	Slide box, 4 wells
ANTI-THYROID ANTIBODIES (ATA)		
44550	48 tests	Monkey Thyroid Complete kit, 4 wells
44551	12 slides	Slide box, 4 wells
ANTI-SKIN ANTIBODIES (ASA)		
44560	48 tests	Monkey Esophagus Complete kit, 4 wells
44561	12 slides	Slide box, 4 wells
ANTI-KERATIN ANTIBODIES (AKA)		
44618	48 tests	Rat Esophagus Complete kit, 4 wells
44517	12 slides	Slide box, 4 wells
AUTOANTIBODIES DUO		
44874	60 tests	HEp-2/Monkey Liver Slide box, 6 wells
TISSUE SLIDES FOR RESEARCH USE ONLY (RUO)		
44571		Monkey Heart
44573		Monkey Ovary
44685		Monkey Sciatic Nerve
44684		Monkey Cerebellum
44589		Monkey Hypophysis
44688		Monkey Jejunum
44638		Monkey Submaxillary
44566		Monkey Testicle
44567		Monkey Hypothalamus
44725		Monkey Hippocampus
44683		Monkey Optic Nerve

Conjugates

Code	Quantity	Description
For Monkey tissues		
IgG FITC/Evans (M)		
44847	3.5 mL	Anti-(Monkey adsorbed) IgG FITC conjugate, contains Evans Blue.
44882	10 mL	For use with GBMA, AICA, ATA, ASA and AACA.
IgG FITC/Evans (M) hs		
44914	3.5 mL	High sensitive Anti-(Monkey absorbed) IgG FITC conjugate, contains Evans Blue.
44915	10 mL	For use with AEA.
IgA FITC/Evans		
44692	3.5 mL	Anti-IgA FITC conjugate, contains Evans Blue.
44835	10 mL	For use with AEA.
For Rat and Mouse tissues		
FITC/Evans (R)		
44590	3.5 mL	Anti-(Rat adsorbed) IgG, IgA, IgM FITC Conjugate, contains Evans Blue.
44836	10 mL	For use with ANA, AMA, ASMA, APCA and LKM.
For HEp-2, nDNA, ANCA and Rat and Mouse tissues		
IgG FITC/Evans		
44697	3 mL	Anti-IgG FITC conjugate, contains Evans Blue.
44834	10 mL	For use with HEp-2, nDNA, ANCA, ASMA, AKA, ANA, AMA, ASMA, APCA and LKM
Auxiliary Reagents		
Miscellaneous		
44592	100 mL	PBS (10x)
44962	500 mL	PBS (10x)
44694	3 mL	Mounting medium
44846	10 mL	Glycin (for GBMA)
44897	100 u.	Coverslips (24 x 60 mm)

Controls

Code	Quantity	Description
44696	0.3 mL	Negative Control
44889	2.0 mL	Negative Control
44502	0.3 mL	Anti-Nuclear Antibodies-Homogeneous Positive Control
44890	2.0 mL	Anti-Nuclear Antibodies-Homogeneous Positive Control
44585	0.3 mL	Anti-Nuclear Antibodies-Centromere Positive Control
44504	0.3 mL	Anti-Nuclear Antibodies-Nucleolar Positive Control
44503	0.3 mL	Anti-Nuclear Antibodies-Speckled Positive Control
44549	0.3 mL	Anti-Endomysium Antibodies IgA Positive Control
44893	2.0 mL	Anti-Endomysium Antibodies IgA Positive Control
44732	0.3 mL	Anti-Endomysium Antibodies IgG Positive Control
44512	0.3 mL	Anti-Mitochondrial Antibodies Positive Control
44891	2.0 mL	Anti-Mitochondrial Antibodies Positive Control
44522	0.3 mL	Anti-Smooth Muscle Antibodies Positive Control
44892	2.0 mL	Anti-Smooth Muscle Antibodies Positive Control
44553	0.3 mL	Anti-Thyroid Antibodies Positive Control
44542	0.3 mL	Anti-nDNA Antibodies Positive Control
44894	2.0 mL	Anti-nDNA Antibodies Positive Control
44854	0.3 mL	C-ANCA Positive Control
44912	2.0 mL	C-ANCA Positive Control
44855	0.3 mL	P-ANCA Positive Control
44913	2.0 mL	P-ANCA Positive Control

ELISA

Code	Quantity	Description
ANA-SCREENING 44785	96 tests	Purified SSA(Ro), SSB(La), Sm/RNP, RNP (70, A and C), Sm, Scl70, Jo1, dsDNA, ssDNA, nucleosomes, total histones, PMScI 100, Centromere B
ENA 6-SCREENING 44740	96 tests	SSA (Ro), SSB (La), Sm, Sm/RNP, Jo1, Scl70
ANTI-Sm ANTIBODIES 44755	96 tests	Highly purified human antigen
ANTI-Sm/RNP ANTIBODIES 44770	96 tests	Highly purified human antigen
ANTI-SSA (Ro) ANTIBODIES 44765	96 tests	Highly purified antigen
ANTI-SSB (La) ANTIBODIES 44750	96 tests	Highly purified antigen
ANTI-CENTROMERE B ANTIBODIES (CENP-B) 44865	96 tests	Recombinant antigen
ANTI-Jo1 ANTIBODIES 44864	96 tests	Highly purified antigen
ANTI-Scl70 ANTIBODIES 44863	96 tests	Highly purified antigen
ANTI-HISTONES ANTIBODIES (HIST) 44862	96 tests	Highly purified antigen
ANTI-NUCLEOSOME ANTIBODIES (NCL) 44861	96 tests	Purified antigen
ANTI-dsDNA ANTIBODIES 44705	96 tests	Calf thymus antigen
ANTI-CITRULLINATED PROTEIN ANTIBODIES (ACPA) 44860	96 tests	Highly purified antigen
ANTI-CARDIOLIPIN ANTIBODIES (ACA-IgG/IgM) 44780	96 tests	Highly purified antigen
ANTI-PHOSPHOLIPID ANTIBODIES IgG/IgM (APLA) 44867	96 tests	Mixture of cardiolipin, phosphatidyl serine, phosphatidyl inositol, phosphatidic acid and human β 2-Glycoprotein 1
ANTI-β2-GLYCOPROTEIN 1 ANTIBODIES IgG/IgM (β2-GP1) 44868	96 tests	Highly purified antigen
ANTI-ANNEXIN V ANTIBODIES IgG/IgM (ANX) 44869	96 tests	Highly purified antigen

Code	Quantity	Description
ANTI-PR3 ANTIBODIES		
44791	96 tests	Purified human antigen
ANTI-MPO ANTIBODIES		
44790	96 tests	Purified human antigen
ANTI-GLOMERULAR BASEMENT MEMBRANE ANTIBODIES (GBM)		
44870	96 tests	Highly purified antigen
ANTI-tTRANSGLUTAMINASE IgA ANTIBODIES (Anti-tTG IgA)		
44754	96 tests	Recombinant human antigen activated by calcium and gliadin
ANTI-tTRANSGLUTAMINASE IgG ANTIBODIES (Anti-tTG IgG)		
44798	96 tests	Recombinant human antigen activated by calcium and gliadin
ANTI-DEAMIDATED GLIADIN (DGP-IgG)		
44884	96 tests	Synthetic deamidated gliadin
ANTI-DEAMIDATED GLIADIN (DGP-IgA)		
44885	96 tests	Synthetic deamidated gliadin
ANTI-SACCHAROMYCES CEREVISIAE ANTIBODIES IgG/IgA (ASCA)		
44872	96 tests	Highly purified mannan from <i>Saccharomyces cerevisiae</i>
ANTI-THYROID PEROXIDASE ANTIBODIES (anti-TPO)		
44795	96 tests	Recombinant human thyroid Peroxidase
ANTI-THYROGLOBULIN ANTIBODIES (anti-TG)		
44796	96 tests	Highly purified human antigen
ANTI-INSULIN ANTIBODIES		
44873	96 tests	Mixture of recombinant and purified insulin
ANTI-M2 ANTIBODIES (M2)		
44871	96 tests	Highly purified mitochondrial M2 subtype antigen

External quality control

PREVECAL

International External Quality Assessment Scheme.

- Yearly program for the comparison of results between laboratories.
- Monthly and quarterly measurements of different control materials.
- The final report summarises all monthly and quarterly reports, and shows additional data on performance.
- On-line participation through www.prevecal.net.

Code	Quantity	Components
PREVECAL HEp-2 IFA 18046	12 x 0.3 mL	Anti-HEp-2 Cells Antibodies.
PREVECAL ANCA 18056	4 x 0.3 mL	Anti-Neutrophil Cytoplasmic Antibodies.
PREVECAL nDNA 18047	12 x 0.3 mL	Anti-nDNA Antibodies.
PREVECAL CELIAC 18051	4 x 0.3 mL	Anti-Endomysium, Anti-tTG, Anti-Gliadin, and DGP Antibodies.

All kits include general instructions.





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Management
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