



IMMUNOASSAY PRODUCTS

Shaping the Future of Life Science

IMMUNOASSAY PRODUCTS

Immunoplate
Black & White Immunoplate/Strip
Immunoplate Strip/Single Well
384 HT Plate
Immunotube
Miniwell Tray

 **SPL**
SPL LIFE SCIENCES

INTRODUCTION

Trusted by experts dedicated to humanity, SPL Life Sciences transforms the future of life sciences through global-standard core technologies and continuous product innovation.



Excellence in Every Standard

Since its founding in 1987, SPL Life Sciences has grown into one of Korea's leading manufacturers and exporters of laboratory plasticware.

We take great pride in our commitment to global excellence, delivering products that strictly comply with international quality standards.

Through continuous innovation, rigorous R&D, and uncompromising quality control, our team of experts ensures that every product meets the highest expectations of the global scientific community.



World-Class Precision & Quality

With over four decades of deep expertise, our professionals provide the scientific community with premium-quality products at competitive prices.

Beyond our leadership in the Korean domestic market, we have established a strong global presence across the USA, EU, Middle East, and Asia.

SPL Life Sciences is recognized worldwide for its ability to consistently develop and showcase cutting-edge products that advance the field of life sciences.



IMMUNOASSAY PRODUCT

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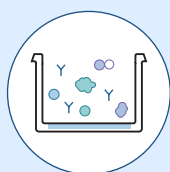


Immunoassay

Immunoassay is a widely used technique for the detection of biomolecules with high specificity and sensitivity, based on antigen–antibody interactions.

SPL provides a comprehensive range of microplates designed to support reliable and consistent immunoassay performance.

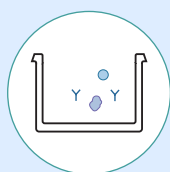
Manufactured from optically clear virgin polystyrene, SPL immunoassay microplates are suitable for a variety of immunosorbent assays and compatible with standard ELISA equipment.



Maxibinding

Modified polystyrene surface with high binding capacity for proteins and mixed-property molecules

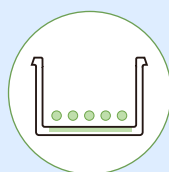
Recommended for most ELISA applications



Medibinding

Optimized for molecules with both hydrophobic and hydrophilic characteristics

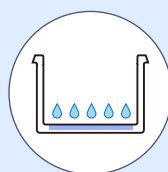
Antigen/Antibody ELISA;
more hydrophobic than
MaxiBinding



Unibinding

Suitable for the adsorption of hydrophobic molecules

Antigen ELISA

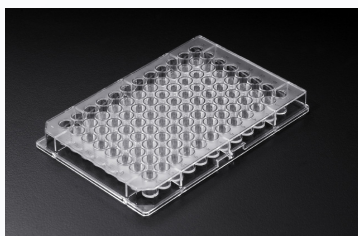


Multibinding

Designed for efficient adsorption of hydrophilic molecules

Antigen ELISA

PRODUCT LINE-UP



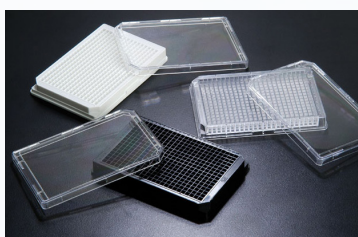
Immunoplate



Black & White Immunoplate/Strip



Immunoplate Strip/Single Well



384 HT Plate



Immunotube



Miniwell Tray

Product Features

- Surface Options

Four levels of surface hydrophobicity designed to accommodate a wide range of biomolecules

- Color Options

Clear plates for colorimetric assays

White plates for luminescence assays (maximized signal reflection, minimal cross-talk)

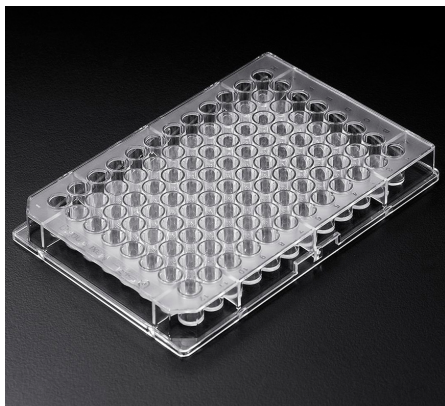
Black plates for fluorescence assays (reduced light scattering and cross-talk)

- Bottom Types

Flat bottom for excellent optical clarity and low background absorbance

Round bottom for efficient mixing and enhanced washing performance

Immunoplate



SPL Immunoplates are designed for reliable performance in immunoassays (ELISA) and general binding assays.

With uniform surface quality and user-friendly design, they support consistent and efficient laboratory workflows.

- 96-well plate format
- Three bottom options: Flat, Round, Flat Small
- Uniform surface homogeneity for consistent results
- Raised well rims to minimize cross-contamination
- Alphanumeric labeling for easy identification
- Designed for easy handling and automation
- Lid not included

Cat. No.	Material	Bottom Type	Surface Type	External Dimensions w x l x h (mm)	Bottom Surface Area (cm ²)	Total Vol.(μl)	Working Vol. (μl)	Packaging
32296	PS	Flat	Maxibinding	85.40 x 127.60 x 14.40	0.33	300	200	10 / 100
32396	PS	Flat	Medibinding	85.40 x 127.60 x 14.40	0.33	300	200	10 / 100
32496	PS	Flat	Unibinding	85.40 x 127.60 x 14.40	0.33	300	200	10 / 100
32596	PS	Flat	Multibinding	85.40 x 127.60 x 14.40	0.33	300	200	10 / 100
33696	PS	Round	Maxibinding	85.40 x 127.60 x 14.40	0.66	300	200	10 / 100
32796	PS	Round	Unibinding	85.40 x 127.60 x 14.40	0.66	300	200	10 / 100
33297	PS	Flat / Small	Maxibinding	85.40 x 127.60 x 14.40	0.10	110	70	10 / 100
32497	PS	Flat / Small	Unibinding	85.40 x 127.60 x 14.40	0.10	110	70	10 / 100

Black & White Immunoplate



SPL Black & White Immunoplates are designed for high-throughput fluorescence and luminescence assays.

Manufactured for consistent performance, they deliver high signal intensity with low background across a wide range of applications.

- 96-well plate format, HTS-compatible
- Black (fluorescence) / White (luminescence) optimized
- Available in three surface types
- Flat bottom
- Raised well rims to reduce cross-contamination
- Alphanumeric labeling for easy identification
- Designed for easy handling and automation
- Individually supplied lids
(Black plate with black lid, White plate with transparent lid)

Cat. No.	Material	Plate Color	Surface Type	External Dimensions w x l x h (mm)	Bottom Surface Area (cm ²)	Total Vol.(μl)	Working Vol. (μl)	Packaging
31396	PS	White	Maxibinding	85.40 x 127.60 x 14.40	0.33	300	200	10 / 100
31496	PS	Black	Maxibinding	85.40 x 127.60 x 14.40	0.33	300	200	10 / 100
31196	PS	White	Unibinding	85.40 x 127.60 x 14.40	0.33	300	200	10 / 100
31296	PS	Black	Unibinding	85.40 x 127.60 x 14.40	0.33	300	200	10 / 100

Immunoplate Strip



SPL Immunoplate Strips offer flexible assay configurations for efficient reagent use and consistent performance.

Available in standard 8-well strips or breakable single-well formats for customizable workflows.

- 8-well strip / Breakable single-well format
- Flat bottom
- Uniform surface homogeneity for consistent results
- Raised well rims to minimize cross-contamination
- Alphanumeric labeling for easy identification
- Designed for easy handling and automation
- Lid not included

Cat. No.	Material	Surface Type	External Dimensions w x l x h (mm)	Bottom Surface Area (cm ²)	Total Vol.(μl)	Working Vol. (μl)	Packaging
38096	PS	Maxibinding	85.40 x 127.60 x 14.40	0.33	300	200	10 / 100
38196	PS	Medibinding	85.40 x 127.60 x 14.40	0.33	300	200	10 / 100
38496	PS	Unibinding	85.40 x 127.60 x 14.40	0.33	300	200	10 / 100
38596	PS	Multibinding	85.40 x 127.60 x 14.40	0.33	300	200	10 / 100

Immunoplate Strip Single Well



SPL Immunoplate Strips offer flexible assay configurations for efficient reagent use and consistent performance.

Available in standard 8-well strips or breakable single-well formats for customizable workflows.

- 8-well strip / Breakable single-well format
- Flat bottom
- Uniform surface homogeneity for consistent results
- Raised well rims to minimize cross-contamination
- Alphanumeric labeling for easy identification
- Designed for easy handling and automation
- Lid not included

Cat. No.	Material	Surface Type	External Dimensions w x l x h (mm)	Bottom Surface Area (cm ²)	Total Vol.(μl)	Working Vol. (μl)	Packaging
38296	PS	Maxibinding	85.40 x 127.60 x 14.40	0.33	300	200	10 / 100
38396	PS	Medibinding	85.40 x 127.60 x 14.40	0.33	300	200	10 / 100
38696	PS	Unibinding	85.40 x 127.60 x 14.40	0.33	300	200	10 / 100
38796	PS	Multibinding	85.40 x 127.60 x 14.40	0.33	300	200	10 / 100

B&W Immunoplate Strip



SPL Black & White Immunoplate Strips are designed for fluorescence and luminescence assays, delivering high signal intensity with low background. The strip format enables flexible assay setup and efficient reagent use.

- Optimized for fluorescence and luminescence assays
- Black (fluorescence) / White (luminescence) optimized
- Available in two surface types
- 8-well strip format
- Flat bottom
- Raised well rims to reduce cross-contamination
- Alphanumeric labeling
- Designed for easy handling and automation
- Lid not included

Cat. No.	Material	Well Color	Surface Type	External Dimensions w x l x h (mm)	Bottom Surface Area (cm ²)	Total Vol.(μl)	Working Vol. (μl)	Packaging
31796	PS	White	Maxibinding	85.40 x 127.60 x 14.40	0.33	300	200	10 / 100
31896	PS	Black	Maxibinding	85.40 x 127.60 x 14.40	0.33	300	200	10 / 100
31596	PS	White	Unibinding	85.40 x 127.60 x 14.40	0.33	300	200	10 / 100
31696	PS	Black	Unibinding	85.40 x 127.60 x 14.40	0.33	300	200	10 / 100

384 HT Plate



SPL 384 HT Plates are designed for high-throughput screening (HTS) applications, delivering high signal intensity with low background across fluorescence, luminescence, and colorimetric assays.

- 384-well plate format, HTS-compatible
- Suitable for colorimetry, fluorescence, and luminescence assays
- Black (fluorescence) / White (luminescence) optimized
- Flat bottom
- Alphanumeric labeling
- Transparent lid included

Cat. No.	Material	Plate Color	Surface Type	External Dimensions w x l x h (mm)	Bottom Surface Area (cm ²)	Total Vol.(μl)	Working Vol. (μl)	Packaging
34384	PS	Clear	Maxibinding	85.40 x 127.60 x 14.40	0.07	120	100	10 / 40
35384	PS	White	Maxibinding	85.40 x 127.60 x 14.40	0.07	120	100	10 / 40
36384	PS	Black	Maxibinding	85.40 x 127.60 x 14.40	0.07	120	100	10 / 40
31384	PS	Clear	Unibinding	85.40 x 127.60 x 14.40	0.07	120	100	10 / 40
32384	PS	White	Unibinding	85.40 x 127.60 x 14.40	0.07	120	100	10 / 40
33384	PS	Black	Unibinding	85.40 x 127.60 x 14.40	0.07	120	100	10 / 40

Immunotube



SPL Immunotubes are designed for diagnostic and immunological applications, providing reliable protein-binding performance for immunoassays such as ELISA and RIA.

With optimized surface properties and high optical clarity, they support consistent and reproducible assay results.

- Suitable for immunoassays (ELISA, RIA)
- Two surface options: Maxibinding and Unibinding
- High protein-binding performance
- High optical quality
- Designed for consistent and reproducible results

Cat. No.	Material	Surface Type	External Dimension (mm)	Total Volume (ml)	Packaging
43005	PS	Unibinding	12.00 x 75.00	5.00	250 / 2000
43015	PS	Maxibinding	12.00 x 75.00	5.00	250 / 2000
43055	PP	Unibinding	12.00 x 75.00	5.00	50 / 500

Miniwell Tray



SPL Miniwell Trays are designed for a wide range of applications, from cell cloning to various analyses including immunoassays and protein crystallization.

These stackable, Terasaki-format plates feature surface treatment that enables efficient cell cloning experiments with minimal working volume.

Their excellent optical properties are optimized for microscopy, as well as fluorescence, luminescence, and absorbance-based quantification.

- Terasaki format
- Stackable
- High optical clarity
- Available in two surface types (Surface treated / Non-treated)

Cat. No.	Well Type	Material	External Dimensions w x l x h (mm)	Working Vol. (μl)	Surface Treatment	Sterile	Packaging
30060	60	PS	83.00 x 58.00	10.00	+	+	10 / 100
31060	60	PS	83.00 x 58.00	10.00	-	-	10 / 100
30072	72	PS	83.00 x 58.00	10.00	+	+	10 / 100
31072	72	PS	83.00 x 58.00	10.00	-	-	10 / 100

**At SPL Life Sciences,
we continuously evolve alongside the rapid
advancements in biotechnology.**

We develop precise and highly reliable solutions that meet
the demands of modern laboratory environments.

Through advanced technology and dependable support,
we partner with our customers to help lead the future of life science research.



< SPL Life Sciences delivers customized bioprocessing solutions
tailored to meet the specific needs of our partners.



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