
LIST OF PRODUCTS AND SERVICES

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BIG Partner

Best products for Life Sciences
& Health Care

Switzerland

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CONTACT

We are your partner for:

- Substrates
- Protein stabilizers
- Antibodies
- Customized research
- In-vitro diagnostics

Yeramun
Diagnostica GmbH



Management
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ISO 9001:2008
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REAGENTS FOR IMMUNOASSAYS

Substrates

ELISA substrates for horseradish peroxidase (HRP)

Ready-to-use
Non-toxic solutions

High absorbance yield without precipitation
High lot-to-lot consistency
Storage at 2...8°C

Product	Order No.	Amount
SeramunBlau® fast for short reaction times with HRP	S-001-1-TMB	100 ml
	S-001-2-TMB	250 ml
	S-001-3-TMB	2x250 ml
	S-001-4-TMB	4x250 ml
	S-001-5-TMB	5 Liter ¹
Shelf life 48 months		
SeramunBlau® automat fast for short reaction times with HRP on ELISA processors	S-027-1-TMB	100 ml
	S-027-2-TMB	250 ml
	S-027-3-TMB	2x250 ml
	S-027-4-TMB	4x250 ml
	S-027-5-TMB	5 Liter ¹
Shelf life 36 months		
SeramunBlau® slow for moderate reaction times with HRP	S-004-1-TMB	100 ml
	S-004-2-TMB	250 ml
	S-004-3-TMB	2x250 ml
	S-004-4-TMB	4x250 ml
	S-004-5-TMB	5 Liter ¹
Shelf life 36 months		
SeramunBlau® automat slow for moderate reaction times with HRP on ELISA processors	S-007-1-TMB	100 ml
	S-007-2-TMB	250 ml
	S-007-3-TMB	2x250 ml
	S-007-4-TMB	4x250 ml
	S-007-5-TMB	5 Liter ¹
Shelf life 36 months		
SeramunBlau® warm for reaction with HRP at 37°C	S-010-1-TMB	100 ml
	S-010-2-TMB	250 ml
	S-010-3-TMB	2x250 ml
	S-010-4-TMB	4x250 ml
	S-010-5-TMB	5 Liter ¹
Shelf life 36 months		
SeramunBlau® quick for self-limiting reaction with HRP	S-012-1-TMB	100 ml
	S-012-2-TMB	250 ml
	S-012-3-TMB	2x250 ml
	S-012-4-TMB	4x250 ml
	S-012-5-TMB	5 Liter ¹
Shelf life 14 months		
SeramunBlau® crystal for reaction with HRP crystal clear solution	S-017-1-TMB	100 ml
	S-017-2-TMB	250 ml
	S-017-3-TMB	2x250 ml
	S-017-4-TMB	4x250 ml
	S-017-5-TMB	5 Liter ¹
Shelf life 36 month		

¹Larger quantities on request

For optimum results ask for SeramunBlau® stop the ready-to-use stopping solutions for the ready-to-use substrates SeramunBlau®.

REAGENTS FOR IMMUNOASSAYS

ELISA substrates for alkaline phosphatase (AP)

Ready-to-use
Non-toxic solutions

High absorbance yield without precipitation
High colour stability after reaction stop
Storage at 2...8°C

Product	Order No.	Amount
SeramunGelb® fast for short reaction times with AP	S-005-1-pNPP	100 ml
	S-005-2-pNPP	250 ml
	S-005-3-pNPP	2x250 ml
	S-005-4-pNPP	4x250 ml
	S-005-5-pNPP	5 Liter ¹
Shelf life 12 months		
SeramunGelb® medium for moderate reaction times with AP	S-016-1-pNPP	100 ml
	S-016-2-pNPP	250 ml
	S-016-3-pNPP	2x250 ml
	S-016-4-pNPP	4x250 ml
	S-016-5-pNPP	5 Liter ¹
Shelf life 24 months		
SeramunGelb® slow for moderate reaction times with AP	S-006-1-pNPP	100 ml
	S-006-2-pNPP	250 ml
	S-006-3-pNPP	2x250 ml
	S-006-4-pNPP	4x250 ml
	S-006-5-pNPP	5 Liter ¹
Shelf life 24 months		
SeramunGelb® extraslow for slow reaction times with AP	S-026-1-pNPP	100 ml
	S-026-2-pNPP	250 ml
	S-026-3-pNPP	2x250 ml
	S-026-4-pNPP	4x250 ml
	S-026-5-pNPP	5 Liter ¹
Shelf life 36 months		

For optimum results ask for SeramunGelb® stop the ready-to-use stopping solutions for the ready-to-use substrates SeramunGelb®.

Membrane substrates

Ready-to-use
Non-toxic solutions

Intense colour formation
Low background
Storage at 2...8°C

Product	Order No.	Amount
SeramunBlau® prec for immunoblot-, immunoline- and immunodot-assays with HRP	S-002-1-TMB	100 ml
	S-002-2-TMB	250 ml
	S-002-3-TMB	2x250 ml
	S-002-4-TMB	4x250 ml
	S-002-5-TMB	5 Liter ¹
Shelf life 36 months		
SeramunPurple® prec for immunoblot-, immunoline- and immunodot-assays with AP	S-008-1-BCIP	100 ml
	S-008-2-BCIP	250 ml
	S-008-3-BCIP	2x250 ml
	S-008-4-BCIP	4x250 ml
	S-008-5-BCIP	5 Liter ¹
Shelf life 36 months		

¹Larger quantities on request

REAGENTS FOR IMMUNOASSAYS

Chip substrates

Ready-to-use
Non-toxic solutions

High contrast
High binding forces to solid surfaces
Storage at 2...8°C

Product	Order No.	Amount
SeramunBlau® spot for microarrays with HRP (blue precipitates)	S-709-1-TMB	100 ml
	S-709-2-TMB	250 ml
	S-709-3-TMB	2x250ml
	S-709-4-TMB	4x250ml
	S-709-5-TMB	5 Liter ¹
Shelf life 24 months		
SeramunBlau® spot dark for microarrays with HRP (enhanced blue precipitates)	S-710-1-TMB	100 ml
	S-710-2-TMB	250 ml
	S-710-3-TMB	2x250ml
	S-710-4-TMB	4x250ml
	S-710-5-TMB	5 Liter ¹
Shelf life 24 months		
SeramunGrün® chip for chip based immunoassays with HRP (green precipitates)	S-011-1-ODI	100 ml
	S-011-2-ODI	250 ml
	S-011-3-ODI	2x250 ml
	S-011-4-ODI	4x250 ml
	S-011-5-ODI	5 Liter ¹
Shelf life 6 months		
SeramunGrün® spot for microarrays with HRP (green precipitates)	S-711-1-ODI	100 ml
	S-711-2-ODI	250 ml ¹
Shelf life 6 months		

¹Larger quantities on request

Shelf life is defined as the period in which activity does not drop below 90% of initial activity.

Chemiluminescence substrates for horseradish peroxidase (HRP)

Luminol-based two-component substrate
Broad dynamic linear measurement range

Highest activity for HRP-based detection systems
Storage at 2...8°C

Product	Order No.	Amount
SeramunLux® active 100 for HRP-based systems like CLIA and Blot	S-500-1-LUMAB	50 ml
	S-500-2-LUMAB	100 ml
	S-500-3-LUMAB	200 ml
	S-500-4-LUMAB	500 ml
	S-500-5-LUMAB	1 Liter ¹
Shelf life 24 months		

¹Larger quantities on request



REAGENTS FOR IMMUNOASSAYS

Protein stabilizers

Stabilization of HRP-Conjugates

Ready-to-use
Shelf life 36 months

Long-term stabilization of HRP activity and
antibody reactivity
Storage at 2...8°C

Product	Order No.	Amount
SeramunStab® STplus for conjugates with monomeric HRP	ST-311-1-STplus	100 ml
	ST-311-2-STplus	250 ml
	ST-311-3-STplus	2x250 ml
	ST-311-4-STplus	4x250 ml
	ST-311-5-STplus	5 Liter ¹
SeramunStab® STpoly for conjugates with polymeric HRP	ST-330-1-STpoly	100 ml
	ST-330-2-STpoly	250 ml
	ST-330-3-STpoly	2x250 ml
	ST-330-4-STpoly	4x250 ml
	ST-330-5-STpoly	5 Liter ¹
SeramunStab® STA2 for a broad range of HRP conjugates for competitive and non-competitive assays	ST-340-1-STA2	100 ml
	ST-340-2-STA2	250 ml
	ST-340-3-STA2	2x250 ml
	ST-340-4-STA2	4x250 ml
	ST-340-5-STA2	5 Liter ¹
SeramunStab® STNP protein free stabilizer	ST-353-1-STNP	100 ml
	ST-353-2-STNP	250 ml
	ST-353-3-STNP	2x250 ml
	ST-353-4-STNP	4x250 ml
	ST-353-5-STNP	5 Liter ¹
SeramunStab® STM for conjugates with monomeric HRP in very low concentrations	ST-370-1-STM	100 ml
	ST-370-2-STM	250 ml
	ST-370-3-STM	2x250 ml
	ST-370-4-STM	4x250 ml
	ST-370-5-STM	5 Liter ¹
SeramunStab® STC for HRP conjugates in assays with background problems	ST-380-1-STC	100 ml
	ST-380-2-STC	250 ml
	ST-380-3-STC	2x250 ml
	ST-380-4-STC	4x250 ml
	ST-380-5-STC	5 Liter ¹

¹Larger quantities on request

REAGENTS FOR IMMUNOASSAYS

Stabilization of AP-Conjugates

Ready-to-use
Shelf life 36 months

Long-term stabilization of AP activity and
antibody reactivity
Storage at 2...8°C

Product	Order No.	Amount
SeramunStab® STAP for very low concentrated AP conjugates	ST-400-1-STAP	100 ml
	ST-400-2-STAP	250 ml
	ST-400-3-STAP	2x250 ml
	ST-400-4-STAP	4x250 ml
	ST-400-5-STAP	5 Liter ¹
SeramunStab® STAP2 for a broad range of AP conjugates and various assay conditions	ST-410-1-STAP2	100 ml
	ST-410-2-STAP2	250 ml
	ST-410-3-STAP2	2x250 ml
	ST-410-4-STAP2	4x250 ml
	ST-410-5-STAP2	5 Liter ¹

¹Larger quantities on request

Stabilization of proteins

Ready-to-use
Shelf life 36 months

Long-term stabilization of protein conformation
Storage at 2...8°C

Product	Order No.	Amount
SeramunStab® STpur for controls and protein standards	ST-310-1-STpur	100 ml
	ST-310-2-STpur	250 ml
	ST-310-3-STpur	2x250 ml
	ST-310-4-STpur	4x250 ml
	ST-310-5-STpur	5 Liter ¹
SeramunStab® STB for stabilization of sensitive biomolecules like proteohormones or membrane proteins	ST-320-1-STB	100 ml
	ST-320-2-STB	250 ml
	ST-320-3-STB	2x250 ml
	ST-320-4-STB	4x250 ml
	ST-320-5-STB	5 Liter ¹
SeramunStab® STD for stabilization of complex mixtures of biomolecules	ST-390-1-STD	100 ml
	ST-390-2-STD	250 ml
	ST-390-3-STD	2x250 ml
	ST-390-4-STD	4x250 ml
	ST-390-5-STD	5 Liter ¹

¹Larger quantities on request

REAGENTS FOR IMMUNOASSAYS

Stabilization of solid phases

Ready-to-use
Shelf life 36 months

Long-term preservation of solid phase reactivity
Effective reduction of nonspecific binding
Storage at 2...8°C

Product	Order No.	Amount
SeramunBlock postcoating solution	HP-002-1	100 ml
	HP-002-2	250 ml
	HP-002-3	2x250 ml
	HP-002-4	4x250 ml
	HP-002-5	5 Liter ¹

¹Larger quantities on request

Stabilization of dye-labelled conjugates

Ready-to-use
Shelf life 36 months

Preventing rapid fading by light exposure
High colour stability and immunological reactivity
Storage at 2...8°C

Product	Order No.	Amount
SeramunStab® FITC for FITC-labelled antibodies with Evans Blue for counterstaining	ST-600-1-FITC	100 ml
	ST-600-2-FITC	250 ml
	ST-600-3-FITC	2x250 ml
	ST-600-4-FITC	4x250 ml
	ST-600-5-FITC	5 Liter ¹

¹Larger quantities on request

Other Reagents

Buffer solutions

Product	Order No.	Amount
Wash and Incubation Buffer 5x conc. efficient washing- and diluting buffer for membrane- and microarrays	B-010-1-WIB	100 ml
	B-010-2-WIB	250 ml
	B-010-3-WIB	2x250 ml
	B-010-4-WIB	4x250 ml
	B-010-5-WIB	5 Liter ¹
shelf life 36 months		

¹Larger quantities on request

REAGENTS FOR IMMUNOASSAYS

Antibodies/Affinity purified

Specific antibodies are isolated from the Ig fraction of hyperimmune serum samples by immunoabsorption chromatography with insolubilized antigens. A special desorption procedure prevents loss of high affinity antibodies and keeps the antibodies fully reactive. Affinity purified antibodies are well suited as capture antibodies in direct and indirect solid-phase immunoassays. They are also well suited for labelling.

Storage:

At -20°C

Stability:

5 years at -20°C, 3 months at 2 ... 8°C

Repeated freezing and thawing contributes to loss of antibody activity and should be avoided.

Specificity	Species	Order No.	Amount ¹
Anti-human IgA	sheep	A-001-1	1.0 mg
Anti-human IgG	sheep	A-002-1	1.0 mg
Anti-human IgM	sheep	A-003-1	1.0 mg
Anti-Mouse IgG	sheep	A-014-1	1.0 mg
Anti-Mouse IgM	sheep	A-015-1	1.0 mg
Anti-Rabbit IgG	sheep	A-016-1	1.0 mg
Anti-Sheep IgG	rabbit	A-017-1	1.0 mg
Anti-5-Bromo-2'-desoxyuridine	sheep	A-018-1	1.0 mg
Anti-Bovine albumin	sheep	A-019-1	1.0 mg
Anti-Fd Bacteriophage ²	sheep	A-020-1	1.0 mg
Anti-poly ₍₆₋₁₀₎ -Histidine	sheep	A-026-1	1.0 mg
Anti-Glutathione-S-Transferase	sheep	A-027-1	1.0 mg
Anti-FITC	sheep	A-030-1	1.0 mg

¹Larger quantities on request

²on request

REAGENTS FOR IMMUNOASSAYS

Antibodies/Labelled

Affinity purified antibodies with proven specificity by solid-phase ELISA are used for coupling. The gentle conjugation methods used, guarantee full activity of the marker and immunological reactivity of the antibodies. Labelling with highly purified horseradish peroxidase (HRP) or highly active recombinant alkaline phosphatase (AP) results in enzyme antibody conjugates ranging in their molar ratios between enzyme and antibodies of 2-4 : 1. Labelling with fluorescein isothiocyanate isomer I (FITC) results in antibody-FITC conjugates ranging in their F/P ratios after purification between 5 and 9.

Storage:

At -20°C

Stability:

5 years at -20°C, 3 months at 2 ... 8°C

Repeated freezing and thawing contributes to loss of antibody activity and should be avoided.

HRP labelled

Specificity	Species	Order No.	Amount ¹
Anti-human IgA-HRP	sheep	A-001-1-HRP	0.5 mg
Anti-human IgG-HRP	sheep	A-002-1-HRP	0.5 mg
Anti-human IgM-HRP	sheep	A-003-1-HRP	0.5 mg
Anti-Mouse IgG-HRP	sheep	A-014-1-HRP	0.5 mg
Anti-Mouse IgM-HRP	sheep	A-015-1-HRP	0.5 mg
Anti-Rabbit IgG-HRP	sheep	A-016-1-HRP	0.5 mg
Anti-Sheep IgG-HRP	rabbit	A-017-1-HRP	0.5 mg
Anti-5-Bromo-2'-desoxyuridine-HRP	sheep	A-018-1-HRP	0.5 mg
Anti-Bovine albumin-HRP	sheep	A-019-1-HRP	0.5 mg
Anti-Fd Bacteriophage-HRP	sheep	A-020-1-HRP	0.5 mg
Anti-poly ₍₆₋₁₀₎ -Histidine-HRP	sheep	A-026-1-HRP	0.5 mg
Anti-Glutathione-S-Transferase-HRP	sheep	A-027-1-HRP	0.5 mg
Anti-human IgG-poly-HRP	sheep	A-028-1-PHRP	0.5 mg
Anti-human IgM-poly-HRP	sheep	A-029-1-PHRP	0.5 mg

¹Larger quantities on request

REAGENTS FOR IMMUNOASSAYS

AP labelled

Specificity	Species	Order No.	Amount ¹
Anti-human IgA-AP	sheep	A-001-1-AP	0.5 mg
Anti-human IgG-AP	sheep	A-002-1-AP	0.5 mg
Anti-human IgM-AP	sheep	A-003-1-AP	0.5 mg
Anti-Mouse IgG-AP	sheep	A-014-1-AP	0.5 mg
Anti-Mouse IgM-AP	sheep	A-015-1-AP	0.5 mg
Anti-Rabbit IgG-AP	sheep	A-016-1-AP	0.5 mg
Anti-Sheep IgG-AP	rabbit	A-017-1-AP	0.5 mg
Anti-5-Bromo-2'-desoxyuridine-AP ²	sheep	A-018-1-AP	0.5 mg
Anti-Bovine albumin-AP	sheep	A-019-1-AP	0.5 mg
Anti-Fd Bacteriophage-AP	sheep	A-020-1-AP	0.5 mg
Anti-poly ₍₆₋₁₀₎ -Histidine-AP	sheep	A-026-1-AP	0.5 mg
Anti-Glutathione-S-Transferase-AP	sheep	A-027-1-AP	0.5 mg

¹Larger quantities on request

²on request

FITC labelled

Specificity	Species	Order No.	Amount ¹
Anti-human IgA-FITC	sheep	A-001-1-F	0.5 mg
Anti-human IgG-FITC	sheep	A-002-1-F	0.5 mg
Anti-human IgM-FITC	sheep	A-003-1-F	0.5 mg
Anti-Mouse IgG-FITC	sheep	A-014-1-F	0.5 mg
Anti-Mouse IgM-FITC	sheep	A-015-1-F	0.5 mg
Anti-Rabbit IgG-FITC	sheep	A-016-1-F	0.5 mg
Anti-Sheep IgG-FITC	rabbit	A-017-1-F	0.5 mg
Anti-5-Bromo-2'-desoxyuridine-FITC	sheep	A-018-1-F	0.5 mg
Anti-Bovine albumin-FITC	sheep	A-019-1-F	0.5 mg
Anti-Fd Bacteriophage-FITC	sheep	A-020-1-F	0.5 mg
Anti-poly ₍₆₋₁₀₎ -Histidine-FITC	sheep	A-026-1-F	0.5 mg
Anti-Glutathione-S-Transferase-FITC	sheep	A-027-1-F	0.5 mg

¹Larger quantities on request

REAGENTS FOR IMMUNOASSAYS

Detection systems

Protein A as binder to the heavy chain of IgG molecules independent of their specificity but also Streptavidin which interacts by high affinity with biotin are enzyme labelled. They can be used in different immunoassay systems instead of enzyme labelled specific antibodies. In some cases the interaction between biotinylated antibodies and Streptavidin HRP can enhance the assay sensitivity.

Product	Order No.	Amount ¹
Protein A-Biotin	D-001-1-BT	0.5 mg
	D-001-2-BT	1.0 mg
Protein A-HRP	D-001-1-HRP	0.5 mg
	D-001-2-HRP	1.0 mg
Streptavidin-poly-HRP	D-002-1-pHRP	0.5 mg
	D-002-2-pHRP	1.0 mg
	D-002-5-pHRP	5.0 mg

¹Larger quantities on request

IN VITRO DIAGNOSTICS

ELISA kits

All *Serazym*[®] ELISA kits use HRP-labelled antibodies produced by a modified coupling technique originally described by WILSON and NAKANE. Antibodies of high affinity or their binding fragments enable short incubation periods. Ready-to-use and colour coded reagents minimize time-consuming handling procedures and potential errors.

All *Serazym*[®] ELISA kits can be easily adapted to ELISA processors due to their uniform sample dilution, uniform incubation conditions and standard curves.

Storage:

At 2 ... 8°C

Stability:

12 – 18 months, when opened 2 months at 2 ... 8°C

Infectious diseases

Product	Order No.	Amount
<i>Serazym</i> [®] Anti-HIV-1+2 ²	E-001	1x96 wells
<i>Serazym</i> [®] Anti-Borrelia IgG	E-021	1x96 wells
<i>Serazym</i> [®] Anti-Borrelia IgM	E-023	1x96 wells
<i>Serazym</i> [®] Anti-Adenovirus IgG ²	E-074	1x96 wells
<i>Serazym</i> [®] Anti-Adenovirus IgM ²	E-075	1x96 wells
<i>Serazym</i> [®] Anti-Adenovirus IgA ²	E-076	1x96 wells
<i>Serazym</i> [®] Anti-Francisella tularensis	E-049	1x96 wells

²On request

Gastrointestinal infections

Product	Order No.	Amount
<i>Serazym</i> [®] Adenovirus ³	E-017	1x96 wells
<i>Serazym</i> [®] Rotavirus ³	E-020	1x96 wells
<i>Serazym</i> [®] Astrovirus ³	E-045	1x96 wells
<i>Serazym</i> [®] Norovirus ³	E-061	1x96 wells
<i>Serazym</i> [®] Clostridium difficile Toxin A+B ³	E-040	1x96 wells
<i>Serazym</i> [®] Clostridium difficile GDH ³	E-107	1x96 wells
<i>Serazym</i> [®] Verotoxin 1+2 ³	E-030	1x96 wells
<i>Serazym</i> [®] Campylobacter ³	E-093	1x96 wells
<i>Serazym</i> [®] Helicobacter pylori	E-081-48	1x48 wells
	E-081	1x96 wells
<i>Serazym</i> [®] Entamoeba histolytica ³	E-018	1x96 wells
<i>Serazym</i> [®] Cryptosporidium parvum ³	E-039	1x96 wells
<i>Serazym</i> [®] Giardia ³	E-106	1x96 wells

³Exclusive distribution by Sekisui Virotech GmbH, Loewenplatz 5, 65428 Ruesselsheim, GERMANY

IN VITRO DIAGNOSTICS

Gastrointestinal autoimmune diseases

Product	Order No.	Amount
<i>Serazym</i> [®] Anti-Transglutaminase IgA	E-047	1x96 wells
<i>Serazym</i> [®] Anti-Transglutaminase IgG	E-050	1x96 wells
<i>Serazym</i> [®] Anti-Gliadin IgA	E-025	1x96 wells
<i>Serazym</i> [®] Anti-Gliadin IgG	E-026	1x96 wells
<i>Serazym</i> [®] ASCA IgA	E-032	1x96 wells
<i>Serazym</i> [®] ASCA IgG	E-033	1x96 wells
<i>Serazym</i> [®] Anti-Intrinsic Factor IgG	E-082	1x96 wells
<i>Serazym</i> [®] Anti-Glia deamid IgA	E-101	1x96 wells
<i>Serazym</i> [®] Anti-Glia deamid IgG	E-102	1x96 wells

Thyroid autoimmune diseases

Product	Order No.	Amount
<i>Serazym</i> [®] Anti-TPO IgG	E-052	1x96 wells
<i>Serazym</i> [®] Anti-TG IgG	E-053	1x96 wells

Systemic autoimmune diseases

Product	Order No.	Amount
<i>Serazym</i> [®] Anti-ds DNA IgG	E-058	1x96 wells
<i>Serazym</i> [®] Anti-Nucleosome IgG	E-035	1x96 wells
<i>Serazym</i> [®] ENA screen IgG	E-062	1x96 wells
<i>Serazym</i> [®] ENA profile IgG	E-064	1x96 wells
<i>Serazym</i> [®] ANA screen IgG	E-065	1x96 wells
<i>Serazym</i> [®] ANA profile IgG	E-066	1x96 wells
<i>Serazym</i> [®] Nucleo ANA screen plus	E-100	1x96 wells
<i>Serazym</i> [®] Anti-MPO (pANCA) IgG	E-087	1x96 wells
<i>Serazym</i> [®] Anti-PR3 (cANCA) IgG ⁴	E-088	1x96 wells
<i>Serazym</i> [®] Anti-PR3 (cANCA) enhanced IgG	E-091	1x96 wells

Rheumatic diseases

Product	Order No.	Amount
<i>Serazym</i> [®] RF IgM	E-012	1x96 wells
<i>Serazym</i> [®] RF IgA	E-060	1x96 wells
<i>Serazym</i> [®] RF IgG	E-083	1x96 wells
<i>Serazym</i> [®] Anti-CCP IgG ²	E-095	1x96 wells

²On request

IN VITRO DIAGNOSTICS

Anti-phospholipid syndrome

Product	Order No.	Amount
Serazym [®] Anti-Cardiolipin-β2-GP-1 GAM	E-077	1x96 wells
Serazym [®] Anti-Cardiolipin-β2-GP-1 IgG/IgM	E-054	1x96 wells
Serazym [®] Anti-Cardiolipin-β2-GP-1 IgA	E-078	1x96 wells
Serazym [®] Anti-β2-GP-1 IgG/IgM	E-055	1x96 wells
Serazym [®] Anti-β2-GP-1 GAM	E-086	1x96 wells
Serazym [®] Anti-Phosphatidylserine-β2-GP-1 IgG/IgM	E-084	1x96 wells
Serazym [®] Anti-Phosphatidylserine-Prothrombin IgG/IgM	E-085	1x96 wells
Serazym [®] Anti-Phospholipid screen IgG/IgM	E-089	1x96 wells

Human proteins and antibodies

Product	Order No.	Amount
Serazym [®] Human IgG	E-003	1x96 wells
Serazym [®] Human IgM	E-004	1x96 wells
Serazym [®] Human IgA	E-007	1x96 wells
Serazym [®] Human IgE ²	E-010	1x96 wells
Serazym [®] Human AFP ²	E-011	1x96 wells
Serazym [®] Human Cu/Zn SOD	E-002	1x96 wells
Serazym [®] Human Hb ²	E-016	1x96 wells
Serazym [®] Human serum albumin ²	E-098	1x96 wells

²On request

IN VITRO DIAGNOSTICS

Blot Immunoassay kits

Species associated proteins (e.g. *Francisella tularensis*) extracted by sonication are separated by SDS-PAGE according to their molecular mass and then transferred to a nitrocellulose membrane. Additional protein lines (function control) are applied to the membrane by a microdispensing system. After blocking remaining free protein binding sites the membrane is cut into strips. The result interpretation of the developed strips is realized by comparison of the band pattern with a lot specific template.

Storage:

At 2 ... 8°C

Stability:

18 months, when opened 3 months at 2 ... 8°C

Infectious diseases

Product	Order No.	Amount
<i>Serablot</i> [®] Anti- <i>Francisella tularensis</i>	WB-003 G	1x27 strips

Line Immunoassay kits

Recombinant antigens of diagnostic importance as well as control bands are applied on the nitrocellulose membranes. The result interpretation of the developed strips is realized by comparison of the band pattern with a lot specific template. Alternatively the strips can be evaluated with the *Seraline*[®] scan software.

Storage:

At 2 ... 8°C

Stability:

12 - 18 months, when opened 3 months at 2 ... 8°C

Infectious diseases

Product	Order No.	Amount
<i>Seraline</i> [®] Anti- <i>Yersinia-6</i> IgG	LIA-005-6 G	1x20 strips
<i>Seraline</i> [®] Anti- <i>Yersinia-6</i> IgA	LIA-005-6 A	1x20 strips
<i>Seraline</i> [®] Anti- <i>Borrelia-8</i> IgG	LIA-006-8 G	1x20 strips
	LIA-006-8 G-12	12x20strips
<i>Seraline</i> [®] Anti- <i>Borrelia-8</i> IgM	LIA-006-8 M	1x20 strips
	LIA-006-8 M-12	12x20strips
<i>Seraline</i> [®] Anti- <i>Helicobacter-6</i> IgG	LIA-007-6 G	1x20 strips
<i>Seraline</i> [®] Anti- <i>Helicobacter-6</i> IgA	LIA-007-6 A	1x20 strips
<i>Seraline</i> [®] Anti- <i>Treponema-4</i> IgG	LIA-010-4 G	1x20 strips
<i>Seraline</i> [®] Anti- <i>Treponema-4</i> IgM	LIA-010-4 M	1x20 strips

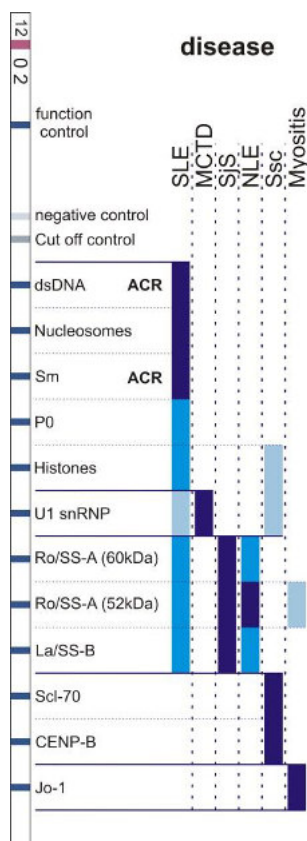
IN VITRO DIAGNOSTICS

Autoimmune diseases

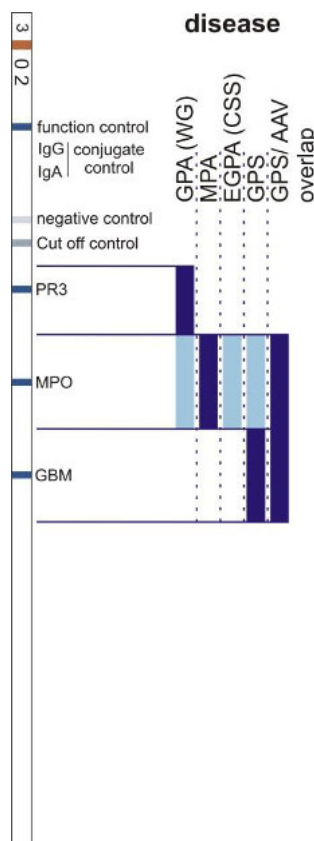
Product	Order No.	Amount
Seraline® Zöliakie-3 IgG	LIA-001-3 G	1x20 strips
Seraline® Zöliakie-3 IgA	LIA-001-3 A	1x20 strips
Seraline® ANA-12 IgG	LIA-002-12 G	1x20 strips
Seraline® ANA-17 IgG ²	LIA-002-17 G	1x20 strips
Seraline® Vaskulitis-3 IgG	LIA-003-3 G	1x20 strips
Seraline® HepAk-7 IgG	LIA-004-7 G	1x20 strips

²On request

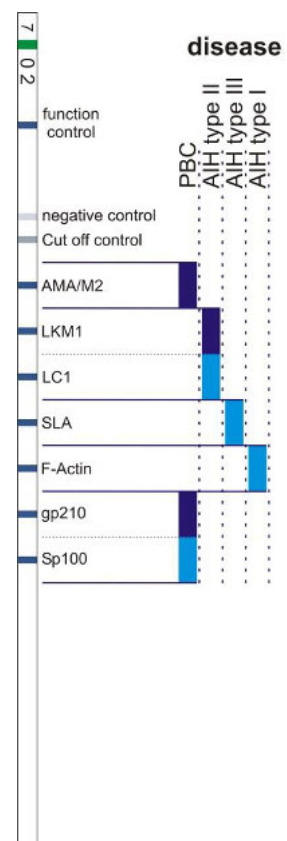
Seraline® ANA-12 IgG



Seraline® Vaskulits-3 IgG



Seraline® HepAk-7 IgG



clinical relevance: ■ high ■ middle ■ low

Evaluation Software

CE certified Software for automatic evaluation of Seraline® Line Immunoassays.

Product	Order No.	Amount
Seraline® scan	LIA-00	1x licence

IN VITRO DIAGNOSTICS

Spot Immunoassay kits

Recombinant antigens of diagnostic importance including test specific controls are printed on the bottom of each well of 96well microtitration plates as distinct spots in the form of a geometric arrangement (array). Antibodies from serum or plasma samples forming immune complexes with the solid-phase bound molecules are detected with HRP-labeled anti-human-Ig isotype antibodies. The final substrate reaction visualizes the solid phase bound immune complexes as dark blue spots which can be seen with the naked eye. Developed assays can be imaged using the readers Seramun *SpotSight*[®] plate or Seramun *SpotSight*[®] strip and interpreted using the Software Seramun *SpotSight*[®] scan.

Storage:

At 2 ... 8°C

Stability:

12 – 18 months, when opened 3 months at 2 ... 8°C

Autoimmune diseases

Product	Order No.	Amount
<i>SeraSpot</i> [®] ANA-12 IgG ⁴	SP-002-12 G-W48	48 single wells
	SP-002-12 G-S6	6x8 wells
	SP-002-12 G-S12	12x8 wells
	SP-002-12 G-S24	24x8 wells
<i>SeraSpot</i> [®] ANA-17 IgG ⁴	SP-002-17 G-W48	48 single wells
	SP-002-17 G-S6	6x8 wells
	SP-002-17 G-S12	12x8 wells
	SP-002-17 G-S24	24x8 wells
<i>SeraSpot</i> [®] Vaskulitis-3 IgG ⁴	SP-003-3 G-W48	48 single wells
	SP-003-3 G-S6	6x8 wells
	SP-003-3 G-S12	12x8 wells
	SP-003-3 G-S24	24x8 wells
<i>SeraSpot</i> [®] HepAk-7 IgG ⁴	SP-004-7 G-W48	48 single wells
	SP-004-7 G-S6	6x8 wells
	SP-004-7 G-S12	12x8 wells
	SP-004-7 G-S24	24x8 wells

⁴Distribution by r-biopharm AG, An der neuen Bergstraße 17, 64297 Darmstadt

Infectious diseases

Product	Order No.	Amount
<i>SeraSpot</i> [®] Anti-Yersinia-6 IgG ⁴	SP-005-6 G-W48	48 single wells
	SP-005-6 G-S6	6x8 wells
	SP-005-6 G-S12	12x8 wells
	SP-005-6 G-S24	24x8 wells
<i>SeraSpot</i> [®] Anti-Yersinia-6 IgA ⁴	SP-005-6 A-W48	48 single wells
	SP-005-6 A-S6	6x8 wells
	SP-005-6 A-S12	12x8 wells
	SP-005-6 A-S24	24x8 wells
<i>SeraSpot</i> [®] Anti-Borrelia-10 IgG ⁴	SP-006-10 G-W48	48 single wells
	SP-006-10 G-S6	6x8 wells
	SP-006-10 G-S12	12x8 wells
	SP-006-10 G-S24	24x8 wells
<i>SeraSpot</i> [®] Anti-Borrelia-10 IgM ⁴	SP-006-10 M-W48	48 single wells
	SP-006-10 M-S6	6x8 wells
	SP-006-10 M-S12	12x8 wells
	SP-006-10 M-S24	24x8 wells
<i>SeraSpot</i> [®] Anti-Treponema-4 IgG ⁴	SP-010-4 G-W48	48 single wells
	SP-010-4 G-S6	6x8 wells
	SP-010-4 G-S12	12x8 wells
	SP-010-4 G-S24	24x8 wells
<i>SeraSpot</i> [®] Anti-Treponema-4 IgM ⁴	SP-010-4 M-W48	48 single wells
	SP-010-4 M-S6	6x8 wells
	SP-010-4 M-S12	12x8 wells
	SP-010-4 M-S24	24x8 wells

⁴Distribution by r-biopharm AG, An der neuen Bergstraße 17, 64297 Darmstadt

Hardware and Software

Hardware and Software for automatic evaluation of *SeraSpot*[®] Immunospotassays.

Product	Order No.	Amount
Seramun <i>SpotSight</i> [®] plate mono ⁴	SP-PLATE-C	1x device
Seramun <i>SpotSight</i> [®] strip ⁴	SP-STRIP-A	1x device
Seramun <i>SpotSight</i> [®] scan ⁴	SP-SCAN-A	1x licence

²On request

⁴Distribution by r-biopharm AG, An der neuen Bergstraße 17, 64297 Darmstadt



IN VITRO DIAGNOSTICS

Control ELISA kits

Animal immunoglobulins

Antibodies of IgG or IgM isotypes from different species are quantified by two-site EIA (double sandwich ELISA). The assays are characterized by colour coded ready-to-use reagents, cover a broad dynamic range, combined with a high sensitivity and high precision. Antibodies used in the assays are purified by affinity chromatography on insolubilized antibodies of other species or isotypes to avoid interspecies or isotype cross reactivity in the assays. These assays can be used for antibody quantification in cell culture supernatants or other biological materials.

Product	Order No.	Amount
<i>Serazym</i> [®] Mouse IgG ²	E-009	1x96 wells

²On request

Vaccine control

High sensitive ovalbumin ELISA kits detect traces of ovalbumin in all viral vaccines derived from virus strains cultured on eggs. The high sensitive bovine serum albumin ELISA kit is useful to characterize purity of bacterial and viral vaccines if pathogens are cultivated in medium supplemented with fetal calf serum. All the assays are useful for optimization or monitoring of purification processes and for final control of vaccines.

Product	Order No.	Amount
<i>Serazym</i> [®] Ovalbumin 37°C incubation, 7 standards	E-041a-1	1x96 wells
<i>Serazym</i> [®] Ovalbumin room temperature incubation, 6 standards	E-041b	2x96 wells
<i>Serazym</i> [®] Ovalbumin room temperature incubation, 6 standards	E-041c-1	1x96 wells
<i>Serazym</i> [®] Bovine Serum Albumin	E-048	1x96 wells
<i>Serazym</i> [®] Bovine Serum Albumin (BSA) sensitive	E-108	1x96 wells

SERVICE

Antibody production

Polyclonal antibodies are raised in sheep and rabbits. Balb/c mice are used for monoclonal antibody production. Non-infectious, non-toxic antigens are provided by the customers. Special immunization schedules and methods induce antibodies with high affinity. For polyclonal antibodies the first ELISA tested hyper immune serum is available 9 weeks after start of immunization. The customer can choose between a basic package and extended service with monthly bleedings in dependence of the needed amounts of hyperimmune serum.

For monoclonal antibodies immunoreactivity of mouse hyperimmune sera are tested in a solid-phase ELISA and one mouse is chosen for PEG mediated fusion of splenocytes with SP2/0 myeloma cells. The subsequent hybridoma screening and selection procedure follows a step by step protocol with the possibility of project termination at any step of the development.

Polyclonal antibodies

Species	Package	Antibody	Order No.	Amount
Sheep	basic (1 sheep)	preimmune serum	sheep-001	50 ml ⁵
		hyperimmune serum		150 ml ⁵
	extended	hyperimmune serum	sheep-002	150 ml per bleeding ⁵
Rabbit	basic (2 rabbits)	preimmune serum	kan-001	2 x 5 ml ⁵
		hyperimmune serum		2 x 25 ml ⁵
	extended	hyperimmune serum	kan-002	2 x 25 ml per bleeding ⁵

⁵approximate volumes that may vary between bleeding and between individuals

Monoclonal antibodies

Species	Package	Antibody	Order No.
Mouse (Balb/c)	basic	1. Immunization of 3 mice	MAK-Maus Stufe 1
		2. PEG cell fusion	MAK-Maus Stufe 2
		3. Selection, subcloning of 3 clones, propagation and cryo-conservation	MAK-Maus Stufe 3
		4. Transfer of selected clones or cultivation and antibody production	MAK-Produktion
	extended	Isotope and subclass IgG determination quantification	MAK-Subklassen MAK-Quantifizierung

SERVICE

Antibody purification

Polyclonal antibodies are purified from hyperimmune serum by salt precipitation followed by ion exchange chromatography (sheep) or affinity chromatography on Protein A-Sepharose (rabbit). Specific Antibodies directed to the antigen are purified by immunosorbent techniques. Monoclonal antibodies are purified from cell culture supernatant either by salt precipitation followed by affinity chromatography on Protein A-Sepharose or ion exchange chromatography. Purity is checked by PAGE, reactivity by solid-phase ELISA.

Species	Antibody	Order No.	Amount
Sheep	IgG purified by FPLC ⁶	L-021	200 mg
	Affinity purified by FPLC ^{6,7}	L-023	50 mg
Rabbit	IgG purified by FPLC ⁶	L-020	25 mg
	Affinity purified by FPLC ^{6,7}	L-022	50 mg

⁶Antibody production to the administered antigen is required

⁷The antigen for insolubilization to CNBr-Sepharose 4B for affinity chromatography is provided by the purchaser

Antibody conjugation

Purified antibodies are labelled on request either with enzymes (HRP or AP) or with fluorochroms (FITC or PE). Optimized procedures guarantee preservation of immunological reactivity and enzymatic activity. Alternatively antibodies are biotinylated. Conjugates are purified by chromatography or dialysis and tested in immunoassays.

Label	Order No.	Amount
HRP (RZ ≥ 3; activity > 250 U/mg) Modified protocol of WILSON and NAKANE (1978); molar ratio 1 : 4	K-005-HRP	5.0 mg
	K-010-HRP	10 mg
	K-020-HRP	20 mg
AP (recombinant; activity > 5000 U/mg) Modified protocol of VOLLER and KNAPP (1978); molar ratio 1 : 4	K-005-AP	5.0 mg
	K-010-AP	10 mg
	K-020-AP	20 mg
Fluoresceinisothiocyanate (Isomer I) Modified protocol of MOHR (1991); molar ratio 1 : 8, determination of F/P-ratio by photometry (usually 5 - 9)	K-005-F	5.0 mg
	K-010-F	10 mg
	K-020-F	20 mg
Biotin Modified protocol of WILCHEK and BAYER (1978); molar ratio 1 : 30	K-005-B	5.0 mg
	K-010-B	10 mg
	K-020-B	20 mg

SERVICE

Peptide synthesis

Peptides of the desired sequence and purity up to 50 amino acids are produced in cooperation with the Department of Biochemistry, Charité hospital, Berlin. Purity of peptides is controlled by mass spectrometry. Peptides are conjugated to KLH for immunization or to other carrier proteins e.g. for application in immunoassays.

No. of amino acid residues	Purity	Order No.
1 to 15 aa	>70%	X-001
	>85%	X-002
	>95% (purified by HPLC)	X-003
16 to 20 aa	>70%	X-004
	>85%	X-005
	>95% (purified by HPLC)	X-006
21 to 35 aa	>70%	X-007
	>85%	X-008
	>95% (purified by HPLC)	X-009
36 to 50 aa	>70%	X-010
	>85%	X-011
	>95% (purified by HPLC)	X-012

Assay development

Starting from the antigen expression and purification or the peptide synthesis for antibody production different types (competitive and non-competitive) of enzyme immunoassays can be developed. Depending on the customer's requirements different purification strategies or labelling procedures up to the application of poly-enzymes to enhance assay sensitivity are possible. Various quality parameters as lower detection limit, intra- and inter-assay imprecision profiles, working range, recovery, stability and robustness are evaluated on request.

NOTES
