



Medicago

YOUR TRUSTED PARTNER IN BIOTECH



Quality from Sweden

~ABOUT US

Medicago was founded in 1995 in Uppsala, Sweden. We are a privately owned company, operating throughout the world, specialised in the design, development, and production of biochemicals, lectins, as well as user-friendly diagnostic and chemical kits. Our products aim at large industries as much as individuals.

Our areas of expertise comprise biochemistry, immunology, virology, parasitology, microbiology, and chemistry. Medicago is recognised as a reliable partner with short decision and lead times for the highest possible quality and efficiency.



~PRODUCT CATEGORIES:

Pre-made buffers and reagents

Pre-made buffers and reagents of highest purity and quality in convenient tablet and sachet forms. *See Extra-Leaflet SmartBuffers for further details.*

Bioactive Lectins and proteins

Highly purified lectins, recombinant biologically active proteins, manufactured under aseptic conditions in own laboratories.

Immunoassays

Mono- and polyclonal antibodies as well as antigens from viruses, bacteria and parasites. Complete ready-to-use kits or single components.

Chromatography

Range of Protein A media. Protein A chromatography media is based on agarose from a cross-linking method that results in a highly porous and physically stable agarose matrix. It serves for purification of polyclonal and monoclonal antibodies.

Services

Manufacturing of specialty chemicals, drug intermediates, and analytical reagents in quantities from milligrams to kilograms with the highest possible standards of quality, safety, and reproducibility.

Saponins

Amphipathic glycosides used commercially in dietary supplements and nutraceuticals. Saponins are also used as adjuvants in vaccine preparations. From milligram to kilogram. Pharmaceutical and diagnostic grades.

More information is available on our website: <http://www.medicago.se>.

Or contact us directly: info@medicago.se, 0046-(0)18 56 11 80.

Protein A Media (Chromatography)

- Swifter purification of polyclonal and monoclonal antibodies
- Higher binding capacity and purity in one step
- High pH stability and low leakage
- Reliable, reproducible, efficient
- Cost efficient

WorkBeads Protein A affinity chromatography media is produced from agarose using a cross-linking method that results in a highly porous and physically stable agarose matrix. Agarose based matrices have been proven to be exceptionally compatible with natural biomolecules, e.g. proteins, DNA, carbohydrates.

BabyBio A columns are packed with Protein A medium. The recombinant protein A is produced in E.coli and is engineered to facilitate an oriented coupling giving a higher binding capacity.



***Bulk quantities on demand**
For bulk quantities of 1 litre or more, contact us.

Baby Bio A		Baby Bio A		WorkBeads Protein A	
1 x 1 mL	45 605 101	1 x 5 mL	45 605 105	5 mL	40 605 002
2 x 1 mL	45 605 102	2 x 5 mL	45 605 106	10 mL	40 605 003
5 x 1 mL	45 605 103	5 x 5 mL	45 605 107	100 mL	40 605 004
10 x 1 mL	45 605 104	10 x 5 mL	45 605 108	1 L *	40 605 005

Immunoassays

- Highest quality
- Complete kits (ELISA and CIA techniques) for *in vitro* diagnostics
- Ready-to-use Smart Buffers for ELISA procedures
- Chromogenic substrates
- Highly active antisera

Medicago develops and manufactures a wide range of immuno reagents. This includes ready-to-use kits, e.g. ELISA and CIA, but also monoclonal antibodies and antigens.



Contract manufacturing and product development

As a supplement to complete kits, Medicago provides many kit components separately. We further provide full service from design of the antigen and immunisation protocol to immunisation, harvesting, fusion, sub-cloning and production. Contact us.

Ordering information

Protein L Ligand Leakage ELISA	1 Kit	10-0027-1
Protein L Ligand Leakage ELISA XXL	1 Kit	10-0028-1
Digital Dermatitis ELISA kit A	1 Kit	10-0030-1
Encephalitozoon cuniculi (EC) ELISA	1 Kit	18-9001-1
Encephalitozoon cuniculi (EC) CIA	1 Kit	18-2001-1
EC-blue Enhanced™ Substrate (TMB) 1000 ml		10-9405-1000
EC-blue Enhanced™ Substrate (TMB) 250 ml		10-9405-250
EC-blue Enhanced™ Substrate (TMB) 100 ml		10-9405-100
EC-blue Enhanced™ Substrate (TMB) 5000 ml		10-9405-5000

Ordering information

EC-blue Enhanced™ Substrate (TMB)	25 000 ml	10-9405-0
Stop solution for TMB Substrate	50 ml	10-9500-50
EC whole cell antigen suspension	1 ml	18-2002-1
Rabbit antiserum against EC	1 ml	18-4001-1
Rat antiserum against EC	0.1 ml	18-4002-100
Rabbit antiserum against Toxoplasma gondii	1 ml	18-5001-1
Toxoplasma gondii whole cell antigen suspension	3 ml	18-2003-3
Carbon suspension for CIA	1 ml	18-6010-1
pNPP tablets	(s. Buffer/Reagents)	

The perfect combination:
our immunoassays and
our buffers.

This choice of buffers/reagents (from a wide product range) can be excellently combined with our immunoassays.

* Available in different sizes and varieties, s. www.medicago.se/smartbuffers
** Blisterpack

Absolute Lectins/ Bioactive Proteins

- Purified by biospecific affinity chromatography
- Highest activity & superior specificity
- Wide range of validated applications
- Stable lyophilised powder
- Custom, bulk, and OEM lectins and conjugates
- **Labelled lectins and conjugated lectins on demand**



Medicago is developer and one of the world's few primary manufacturers of a wide variety of exceptionally pure lectins isolated by affinity chromatography.

Medicago's lectins are used in many applications in medicine, medical research, and biochemistry, e.g. blood group typing, affinity chromatography, HIV research, protein-carbohydrate interaction studies, virus and cancer diagnosis, mitogenic studies of human lymphocytes, etc.

Ordering information

<i>Aleuria aurantia</i> lectin (AAL)	2mg	05-0134
<i>Arachis hypogaea</i> lectin (PNA)	10 mg / 50 mg	05-0116
<i>Artocarpus integrifolia</i> lectin (Jacalin)	10 mg / 100 mg	05-0133
<i>Concanavalin A</i> lectin (Con A)	1000 mg	05-0106
<i>Concanavalin A</i> lectin (Con A)	100 mg / 250 mg	05-0106
<i>Crotalaria juncea</i> lectin	10 mg / 50 mg	05-0105
<i>Galanthus nivalis</i> lectin (GNA)	5 mg	05-0120
<i>Glycine max</i> lectin (SBA)	10 mg / 50 mg	05-0117
<i>Lens culinaris</i> lectin (LCA/LcH)	1000 mg	05-0104
<i>Lens culinaris</i> lectin (LCA/LcH)	10 mg / 25 mg / 100 mg	05-0104
<i>Narcissus oseudonarcissus</i> lectin (NPA/NPL)	10 mg / 50 mg	05-0119
<i>Phaseolus vulgaris E</i> lectin (PHA-E)	5 mg	05-0131
<i>Phaseolus vulgaris L</i> lectin (PHA-L)	2 mg / 10 mg	05-0132

Ordering information

<i>Phaseolus vulgaris</i> (PHA-M) pure	1000 mg	05-1118
<i>Phaseolus vulgaris</i> (PHA-M) pure	25 mg	05-1118
<i>Phaseolus vulgaris</i> (PHA-M) crude	1000 mg	05-1118
<i>Phaseolus vulgaris</i> (PHA-M) crude	25 mg	05-1118
<i>Phaseolus vulgaris P</i> lectin (PHA-P)	5 mg / 10 mg	05-0115
<i>Pisum sativum</i> lectin (PSA)	10 mg / 25 mg / 100 mg	05-0111
<i>Trichosanthes japonica agglutinin I</i> (TJA I)	2 mg / 25 mg / 100 mg	05-0036
<i>Trichosanthes japonica agglutinin II</i> (TJA II)	2 mg / 25 mg / 100 mg	05-0033
<i>Triticum vulgare</i> lectin (WGA)	1000 mg	05-0102
<i>Triticum vulgare</i> lectin (WGA)	10 mg / 25 mg / 100 mg	05-0102
<i>Vicia ervilia</i> lectin (VEA)	10 mg / 50 mg	05-0114
BIOACTIVE PROTEIN: Calmodulin	1 mg / 2.5mg	05-0103
BIOACTIVE PROTEIN: β-Galactosidase	25 mg	10-1101

Absolute lectins-on-demand

Lectins can if applicable be offered in bulk quantities. Further, besides our standard range we can provide the following lectins, among others, on a demand basis. Please contact Medicago for further information.

Lectins on demand

• <i>Agaricus bisporus</i> (ABA)	• <i>Caragana arborescens</i> (CAA)	• <i>Helix aspersa</i> (HAA)	• <i>Phaseolus coccineus</i> (PCA)	• <i>Solanum tuberosum</i> (STL, STA)
• Agarose	• <i>Cicer arietinum</i> (CPA)	• <i>Helix pomatia</i> (HPA)	• <i>Phytolacca americana</i> (PWM, PWA)	• <i>Tetragonolobus purpureus</i> (LTL)
• <i>Bandeiraea simplicifolia</i>	• <i>Datura stramonium</i> (DSL)	• <i>Horseradish peroxidase</i> (HRP)	• <i>Pseudomonas aeruginosa</i> (PA-I)	• <i>Ulex europaeus</i> (UEA I)
• <i>Bandeiraea simplicifolia</i> (BS-I)	• <i>Dolichos biflorus</i> (DBA)	• <i>Lycopersicon esculentum</i> (LEL)	• <i>Pseudomonas aeruginosa</i> (PA-II)	• <i>Vicia faba</i> (VFA)
• <i>Bandeiraea simplicifolia</i> (BS-I-A4)	• <i>Euonymus europaeus</i> (EEL)	• <i>Maackia amurensis</i> (MAA)	• <i>Psophocarpus tetragonolobus</i> (PTA)	• <i>Vicia villosa</i> (VVL, VVA)
• <i>Bandeiraea simplicifolia</i> (BS-I-B4)	• <i>Fluorescein</i> (FITC)	• <i>Maclura pomifera</i> (MPL)	• <i>Sambucus nigra</i> (SNA, EBL)	• <i>Wisteria floribunda</i> (WFA, WFL)

Buffer/Reagents

Medicago offers a wide variety of different SmartBuffers and Reagents which come as precisely preweight tablets or sachets with pre-set pH.

Ready-to-go in less than 5 minutes, they allow you to focus on the more important things of your work: Your actual research.

Phosphate Buffered Saline (PBS) pH 7.4*	100 tablets	09-2051-100	Carbonate/bicarbonate Coating Buffer, pH 9.6*	100 tablets	09-8922-100
PBS with Tween™ 20 (PBS-T) pH 7.4*	100 tablets	09-8903-100	p-Nitrophenyl Phosphate Substrate (pNPP) 5 mg	100 tablets	09-2001-100
Tris Buffered Saline (TBS) pH 7.6*	100 tablets	09-7500-100	p-Nitrophenyl Phosphate Substrate (pNPP) 5 mg	24 tablets	09-2001-24
TBS with Tween™ 20 (TBS-T) pH 7.6*	100 tablets	09-7510-100	p-Nitrophenyl Phosphate Substrate (pNPP) 20 mg	100 tablets	09-2020-100
Borate Buffered Saline (BBS) pH 8.2	100 tablets	09-2053-100	p-Nitrophenyl Phosphate Substrate (pNPP) 20 mg	24 tablets	09-2020-24



* Available in different sizes and varieties

Please find detailed information on our buffers and reagents in the Extra-Leaflet: **"SmartBuffers"**.



~ENVIRONMENTALLY FRIENDLY

Medicago's products have a number of advantages which make them more environmentally friendly than existing alternatives. Especially our SmartBuffers distinguish themselves through

- less plastic waste,
- lower electricity usage for storage,
- reduction in transportation.

You can help the environment and lessen the *ecological footprint* through deciding to use Medicago's products.



~TURNING YOUR PRODUCT IDEAS INTO REALITY

You have a product idea? We can help you turn your idea into reality with our expertise, experience, and resources.

Contact us. After initial contact, our Development Group Project Leader will liaise with you to resolve scientific matters and planning issues, manage costs, and make available all the resources that Medicago can provide to deliver your product on time and according to agreed specifications. We take pride in promoting free and open communication based upon mutual confidentiality, respect, and trust.

Our laboratories and production facilities are ISO 9001:2008 und ISO 13485:2012 certified and production is subject to extensive quality controls. You are welcome to arrange a visit to our head quarters.

Why Medicago?

Worldwide leading manufacturer of biological and chemical buffers; One of the world's few primary manufacturers of exceptionally pure lectins; Production in clean-rooms; Aseptic filling; Downstream Processing and separation; Freeze-drying; Private label and OEM arrangements; Kit development, construction and assembly; Cost-efficiency; From laboratory to industrial scale; And many more.

... We love challenges!

Further information:

Write us an email: custom@medicago.se

Visit our website: www.medicago.se/custom

Or call us directly: 0046 (0) 18561180



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