



Quality from Sweden

Contract

Manufacturing / Development

- Contract Manufacturing Organisation (CMO)
- Contract Research Organisation (CRO)
- Custom Product Development
- Custom Services
- Bulk and OEM



Medicago

YOUR TRUSTED PARTNER IN BIOTECH

TURNING YOUR PRODUCT IDEAS INTO REALITY

We Enjoy Challenges

Medicago was founded in 1995 with the purpose of supplying the pharmaceutical and biotechnology industries with high-quality customised products and services, e.g. bioreagents and ready-to-use kits, contract product development and manufacturing, bulk, and OEM. For more than 20 years, we have collaborated with large and small industrial partners as well as academic institutions. We constantly strive to expand our expertise and are now operating throughout the world.

Today Medicago Serves the

- Pharmaceutical industry
- Biotech industry
- Diagnostics industry
- Veterinary and agricultural industries
- Life Science research industry

In addition to our standard product range, we manufacture according to customer specifications. Further, we welcome sub-contracting, contract product development, customisation, bulk, and OEM.

We enjoy working with large and small companies alike for new or established products as well as assisting university researchers in the commercialisation of their ideas.

We are recognised as a flexible partner with short decision and lead times plus a proven record for the highest quality, costefficiency, and high delivery standards.

Our Areas of Expertise

- | | | |
|-----------------------|----------------|------------------------------------|
| • Process engineering | • Microbiology | • Protein labeling and conjugation |
| • Immunology | • Biochemistry | • Analytical chemistry |
| • Organic chemistry | • Cell biology | • Molecular biology |

Turning Your Product Ideas Into Reality

We work together with you to develop your product ideas and business concepts within our areas of expertise. After initial contact, our Development Group Project Leader will liaise with you to resolve scientific matters and planning issues, manage costs, and allocate Medicago's resources to deliver your product on time.

OUR SERVICES

Medicago's experienced and highly-qualified staff as well as our state-of-the-art, industrial-scale separation equipment are on hand to provide our partners with a wide range of competences and capabilities. We are committed to putting your needs first. Our Project Leader will manage the entire process to ensure the success of your project. Our capabilities include:

Kit Development, Construction and Assembly

- ELISA and CIA kits
- Chemical and biochemical kits
- Calibration kits

Downstream Processing and Separation

- Fermentation - bacteria and yeast, fully-automated bioreactors, validated clean-room environment
- Process development on request
- Ultrafiltration capability
- Continuous centrifuges
- Industrial-scale separation equipment

Clean Room / Aseptic Filling

- Iso-classified: B, C and D compliant
- Fully automated lines
- Water for injection (WFI)
- Clean steam system
- From 0,6 ml to 50 ml per vial

Freeze-Drying

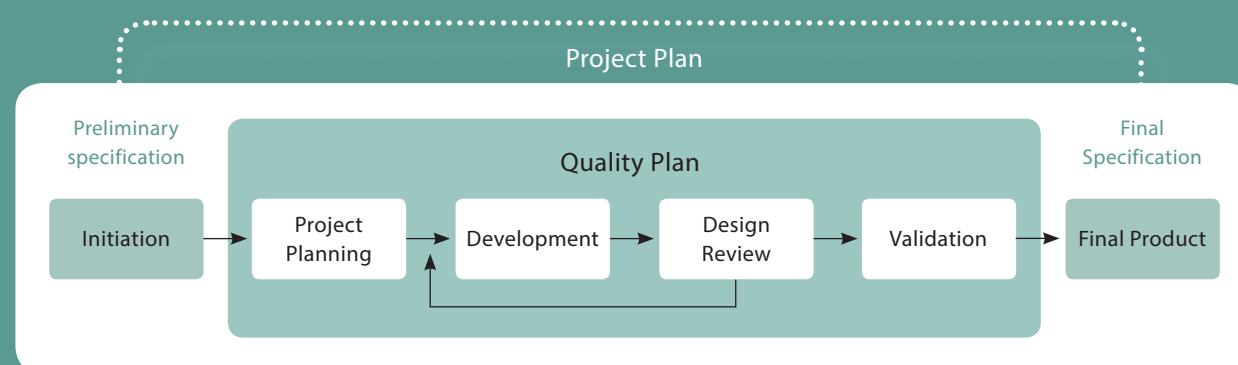
- Freeze-drying microscope (for studies / early development)
- Development of freeze-drying processes
- Up to 120 kg of material or 25.000 vials
- Aseptic freeze-drying, SIP & CIP

Stability Studies

- ICH Q1A (R2), controlled-climate chambers
- $25 \pm 2^{\circ}\text{C}$, $60 \pm 5\% \text{ RH}$
- $40 \pm 2^{\circ}\text{C}$, $75 \pm 5\% \text{ RH}$
- $5 \pm 3^{\circ}\text{C}$
- $-20^{\circ}\text{C} \pm 5^{\circ}\text{C}$

Customised Products

- Custom-made saponins
- Biologically-active proteins and lectins (lyophilised or liquid)
- Monoclonal and polyclonal antibodies, highly purified antigens, unique hybridoma clones
- SmartBuffers and Reagents (tablets, powder, or solution)
- Recombinant proteins



The six stages of Medicago's custom development projects

GET EXACTLY WHAT YOU WANT

Medicago provides all the advantages you need for a successful contract manufacturing, product development, custom, bulk, or OEM partnership.

- From laboratory to industrial scale
- Any concentration, any pack size
- Special syntheses and batches
- Special blends and formulations
- Rapid product development
- Complete product documentation
- Cost-efficient manufacturing
- Customised packaging
- Custom kit assembly
- OEM arrangements
- Fast-track technical and scientific support
- Mutually-agreed confidentiality



Excellence in Bio-Reagents Development and Manufacturing

Medicago is a developer and primary manufacturer of a wide range of bioreagents and ready-to-use kits.

We can manufacture special batches with unique specifications, blends and premixes to your requirements in any format or formulation.

We have long experience in the development, construction and assembly of ready-to-use diagnostic, biochemical and chemical kits according to customer specifications on a sub-contracting basis.

Scientists at Medicago have broad experience in the production and purification of antibodies used in the general in vitro diagnostic markets.

We provide full service from design and immunisation to fusion, cloning and production.

We are ISO 9001 and ISO13485 Certified

- Rigorous QA/QC systems
- Documented product development
- Complete product documentation
- Product traceability
- Product validation files
- Regular inspections by ISO authorities

For more information:

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