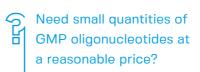


Oligonucleotides

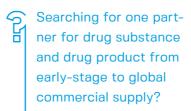
Technology Platform







Expect excellent process knowledge from earlyphase to commercial?



Looking for rapid scale-up services?

Seeking a more efficient, cost-effective way to manage several third party suppliers?



Seeking phase appropriate process and analytical development?



The right partner is one partner. Working and coordinating with several providers can be demanding and time consuming when outsourcing a project. No matter where your project starts, Cordenpharma is the partner you need for a fully-integrated solution spanning the complete product life cycle at all stages, from preclinical to commercial, supported by dedicated regulatory and project management services. A straightforward communication with

one supplier alleviates the need for excess resources required to manage multiple providers. Our organizational structure provides you with one point of contact to help navigate your way to project completion. Through our network of integrated cGMP facilities across Europe and the US organized under six Technology Platforms, we have fostered an efficient exchange between API & Drug Product teams to decrease your development time to market.

Your Benefits — Our Strengths

Scientific Expertise

by Design.

Your project will benefit from

development of thousands of

process steps using Quality

our efficient, time-saving

Process Development Approach

Toxicology Knowledge

Gain assurance from our indepth knowledge in handling a wide range of toxicological active compounds, including highly potent APIs, to protect people, products & the environment.

Collective Sustainability Goals

Foster Entrepreneurial **Spirit**

Flexibility & Transparency

Benefit from our collaborative commitment to react with flexibility & transparency to your changing needs.

Patient Safety

Our Motto is Quality

Rely on the integrity of our robust quality & regulatory compliance standards at the foundation of every step your project takes, from initial process development through product delivery and beyond.



Streamlined Fully-**Integrated Supply**

Discover how our fully integrated supply services, ranging from GMP starting materials to Drug Substance, Fill & Finish Drug Products and Packaging, enable faster times to clinical trials & market with reduced costs.

Time to **Market with** Reduced Cost

Transparent Communication

Work closely with our dedicated project management teams to receive regular project updates, gain continual access to your batch records and reach your defined target.



Continuous **Exchange & Knowledge Sharing**

Development Experience We know what you need

before you realize you need it. Your project will benefit from our extensive expertise and capabilities in process development, scale-up and manufacturing.

Guidance Throughout the Entire **Drug Life**cycle

Aligned Project Management

& Synergy of Teamwork

Overseeing the entire jour-

ney will be our robust Global

Project Management Team. Coordinating activities at the sites & acting as your main conduit into the organization, the experienced team will

also offer insight & assis-

tance on your journey.

Seamless & **Effortless** Management of Your **Program**

Ingenuity

at Work

Thinking Outside the Box

Grow from our scientific passion and ingenuity in finding new ways to solve complex problems that help you take the most efficient path to reach your project goals.



Your Goal is our Goal. We turn our strengths into your benefits by keeping in mind that your goal is our goal: to produce high quality pharmaceutical medicines through efficient, lean processes with reduced times to market.

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Your Full-Service CDMO for a Global Market

Secure Your Supply Chain with our Fully-Integrated Solution

CordenPharma is the partner you need for a Fully Integrated Supply solution spanning your complete product life cycle at all stages, from sourcing of raw materials to secure your supply chain, through preclinical & commercial development and manufacturing of GMP starting materials, APIs, finished dosage Drug Products & Packaging > resulting in reduced time & cost. Your project is all the while supported by dedicated regulatory & project management expertise at every step along your outsourcing path.

Aseptic Fill & Finish at CordenPharma Caponago (IT).



The Backbone of Synthesis – Oligonucleotide APIs

Our scientists have mastered the core principles of synthesizing advanced Oligonucletoide APIs, and bring them to bear on every project, large or small. The Oligonucleotide platform supplies you with specialized combined expertise from early stage to commercial supply of advanced Oligonucleotide APIs.

Our expert chemistry teams design and produce custom oligonucleotides tailored to your specific quality standards. From DNA and RNA to modified nucleotides and backbones, we deliver sequences of various lengths and complexities.

Not sure where to start? Our team of experts are here to guide you. We start with your sequence to develop the manufacturing process and quality standards in a phase appropriate manner to get you into the clinic as quickly as possible.

Furthermore, your benefit expands to the seamless tech transfer of your project within our facility network for the production of Drug Products and Packaging Services. The Injectables Platform provides Aseptic & Terminal Sterilization Fill & Finish in Pre-Filled Syringes (PFS), ampoules, liquid & lyophilized vials, as well as combination device products, packaging / labelling, and clinical trial kit management. We additionally supply LNP formulation development services as well as small to large scale GMP LNP manufacturing services.



Our Proven Oligonucleotide Capabilities:

Mid-scale oligonucleotide manufacturing suite at CordenPharma Colorado.

Development Capabilities

- → Full Developmental Capabilities at up to 10 mmol scale
- → Synthesis on Cytiva Akta OligoSynt™ units
- → Purification using AktaPure™ systems with up to 3.5cm columns
- → TFF using Sartorius SartoflowTM
- Lyophilization

Synthesis Capabilities

- → Able to manufacture from 10-160 mmol scale under GMP in flexible manufacturing suites
- → Synthesis on Cytiva Akta OligoPilot™ units
- → Purification with a range of techniques and diluents using 5-25cm columns
- → TFF with cross-membrane flow at 4-6L/min/m²
- → Lyophilization extensive capacity available
- → Expansion coming in 2025 to add larger scale capabilities

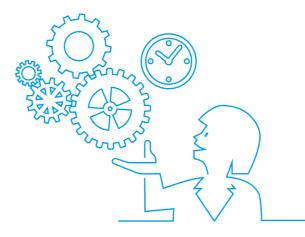
Analytical Capabilities

- → Various UPLC, HPLC and IC capabilities with AEX, UV/Vis, MS & Conductivity detectors
- → GC-MS, ICP-MS
- → LC Q-TOF MS, LC/MS, UV/Vis
- → Capillary Electrophoresis
- → Microbial Testing Endotoxin & Bioburden





One Partner Process & Project Management



Streamlined Process Collaboration

Our approach to every project begins with fostering a constant exchange between the applicable API & Drug Product Process Development teams involved. Ongoing alignment with analytical, quality and compliance support guarantees you fast and consistent results, independently of where your project starts.

Analytical Services & Stability Studies



Lead Developmen

Custom Synthesis

Process

API Manufaturing



Preclinical Phase

Clinical Phase

Commercial Launch & Supply

Formulation Development

Aseptic Fill & Finish, Terminal Sterilization Ampoules, Vials, PFS Cartridge Solutions



Quality & Regulatory Support



Aligned Project Management

CordenPharma's Global Project Management Team carefully assigns an appropriate amount of time & resources to each phase of development, while monitoring all tasks to ensure your project progresses forward in a controlled and timely way. Our project management organization safeguards the alignment of resources with local project managers throughout our network of facilities for your integrated supply projects involving multiple sites and technologies to deliver on our promise – one source, one partner.

Your One Partner Benefits:

- → Single point of contact throughout your project for both APIs & Drug Products
- → Global SOPs mean shorter tech transfer time for materials & documentation
- → Knowledge transfer guaranteed with consolidation of stability testing, analytical methods & physical property
- → One CDA / MSA with single data-entry point ensures ease of sharing data internally & externally and speed of execution
- → Improved data integrity guaranteed by controlled single-source data with integrated project planning

Sampling of a final API to support homogeneity testing plan at CordenPharma Switzerland.

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Quality & Compliance First

Our commitment to seek the highest standards of Quality & Compliance First is the backbone of all our activities and projects. We make no compromises in this area. We have and continue to invest heavily in compliance programs, with the objective to meet and surpass applicable regulatory requirements & legislations. Our focus on quality & compliance will be ongoing, with budgeted investment in improvements such as compliance-enhancing IT solutions.



CordenPharma Continuous Improvement Program

You will benefit from the ongoing support of CordenPharma's Continuous Improvement Program, based on the consistent completion of corrective and preventive actions arising from self-initiated proactive third party group-wide gap assessments, agency inspections, as well as internal, annual corporate & customer audits. This approach enables us to not only meet, but surpass general requirements needed to see your project through to completion.



CordenPharma Global Compliance Team

The CordenPharma Global Compliance Team systematically interprets these continuous improvement program audit and assessment results on your behalf to generate corporate policies and global standards enabling employees at all levels to comply with current applicable guidelines and legislations in their daily activ-

Corporate compliance standards & policies are then implemented at all CordenPharma sites globally, with the objective of complete harmonization to foster transparency and straightforward communication, both internally and externally with our customers. The whole organization works together, from the Executive Leadership Team and Facility Managing Directors to the Marketing & Sales team and operators, to make sure all employees effectively comply with implemented policies, Standard Operating Procedures (SOPs), master work instructions, plans & forms to meet all the requirements for your pharmaceutical success.

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Agency	Colorado (US)	Caponago (IT)
EMA, EU local	•	•
FDA	•	•
PMDA	•	•
TGA	•	•
Health Canada	•	•
ANVISA	•	•
	EMA, EU local FDA PMDA TGA Health Canada	EMA, EU local FDA PMDA TGA Health Canada



Our Manufacturing Sites

anufacturing Sites	Products	Services
CordenPharma Oligonucleotides	→ R&D, non-GMP and GMP-Production	
Colorado, USA		→ Extensive purification and isolation capacity
(Sites 1 + 2)		→ Full analytical development and support
CordenPharma	Integrated Supply	→ Injectable Drug Products & LNP formulation
Caponago, IT		→ Vial, Pre-filled syringe and cartridge capability



CordenPharma

International

Aeschenvorstadt 71 4051 Basel Switzerland

cordenpharma.com











