

Accelerate your oligonucleotide development and scale-up goals

The OligoProcess™ platform is the result of more than 30 years of collaboration with leading oligonucleotide pharma



The upgraded OligoProcess™ platform is installed and verified for GMP production. The available configurations - reaching from 10 up to 1800 mmol - are designed for giving flexibility in your applications. Even higher scales are available upon request.

Key benefits of OligoProcess™ include:

- Proven scalable technology
- PAT functionalities with UV scanning possibilities used to verify the identity of amidite connected to each of the system inlets
- Optimized flow paths to minimize hold-up volumes, which reduces dilution and quantities of expensive amidites

Robust system components withstand harsh conditions

OligoProcess™ components can be used with hazardous chemicals and the systems comply with explosion-proof regulations. Systems are adapted to comply with your local legislation during the system definition phase. All materials fulfill the demands set on the pharma market such as USP VI, 21 CFR 177 and material traceability acceptance certificate acc to EN 10204:2004 3.1.

"Cytiva's ÄKTA™ oligopilot™ easily accommodates the development of methods that can be rapidly and seamlessly transferred to production-scale equipment to efficiently and cost-effectively meet the clinical demands of Ionis' large drug pipeline."

**Max Moore, Ionis
Pharmaceuticals Inc.**

Maximized uptime and decreased system footprint

OligoProcess™ components are selected based on performance and quality to secure uptime as well as maintenance requirements.

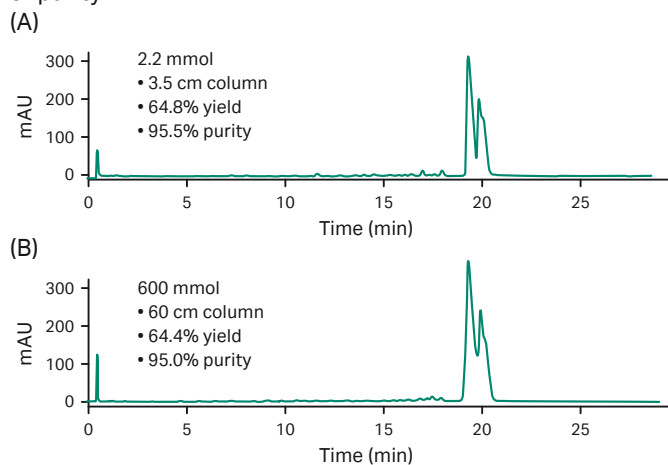
The modern system components and the development of the new platform enables a 50% decrease in footprint compared to the previous design.

UNICORN™ software ensures smooth scale-up

The process runs on the same 21CFR part 11-compliant UNICORN™ control software used with the ÄKTA™ system oligopilot™ plus.

Proven scalability

ÄKTA™ system oligopilot™ plus is commonly used for process development of any RNA/DNA sequence. Once developed, the method can be transferred to commercial scale in a single step or even to other manufacturing sites. The figure shows that scale-up of a DNA sequence from 2.2 mmol to 600 mmol is achieved without compromising yield or purity.



Accessories, consumables, and global support help you reach your goals

Our application specialists will assist you in the first run, verifying your new equipment is functioning properly. Initial training and applicational support is part of this introductory package, which comes with your solution purchase.

And remember — we can provide you hands-on support with your OligoProcess™ system wherever you are located.

General specifications, OligoProcess™

Size approx. (W × H × D)

60 to 400 mmol synthesizer: 2025 × 2095 × 1400 mm

100 to 1800 mmol synthesizer: 1625 × 2095 × 1400 mm

Pumps Three for increased scale flexibility

Amidite inlets 17/24

Solvent inlets 14 (plus inert gas inlet)

Waste outlets 4

Column connections 1

Heat exchanger Optional

Process monitoring sensors

Conductivity (including temperature)

UV (variable and multiple wavelength)

Mass flow (including density)

Pressure

Ordering information

Product	Product code
OligoProcess™	To order the OligoProcess™ System, please contact your local sales representative.
OligoPilot™	28989965
FineLINE™ 70 column for synthesis scale 4 to 15 mmol	18115298
FineLINE™ 100 column for synthesis scale 9 to 30 mmol	11002798
AxiTide™ 50	29358075
AxiTide™ 140 column for synthesis scale 20 to 60 mmol	Quoted individually
ÄKTA™ oligopilot™ plus 100	18113679
Column reactor 6.3 mL	18110113
Column reactor 12 mL	18110116
Column reactor 24 mL	18110119
Column reactor 48 mL	18110122
FineLINE™ 35 oligo column	18113713
AxiTide™ 50	29358075
ÄKTA™ oligopilot™ plus 10	18114042
Column reactor 1.2 mL	18110110

For further information and quotes please contact your local sales representative.

cytiva.com

Cytiva and the Drop logo are trademarks of Global Life Sciences IP Holdco LLC or an affiliate. ÄKTA, AxiTide, FineLINE, OligoPilot, OligoProcess, Primer Support, and UNICORN are trademarks of Global Life Sciences Solutions USA LLC or an affiliate doing business as Cytiva.

© 2021 Cytiva

For local office contact information, visit cytiva.com/contact

CY20574-09Jul21-FL

