

# Preventive maintenance

Ensure optimal performance of your ÄKTA oligosynt™ oligonucleotide synthesizer

Preventive maintenance (PM) reduces the risk of unexpected breakdowns, helps keep your schedule on track, and ensures your equipment remains properly calibrated. PM is built into our equipment design process for long-term reliability and backed by extensive global experience. Our certified service engineers are trained to deliver expert PM tailored to your system. On completion, we provide detailed service reports for full traceability.

## Comprehensive system assessment

During PM, our qualified engineers perform comprehensive tests and verifications to ensure your ÄKTA oligosynt™ oligonucleotide synthesizer meets original factory specifications. They replace any necessary components using quality parts from Cytiva. These procedures are based on protocols optimized during system design and reflect the same functional and quality checks applied during assembly and pre-delivery validation.

### Tests and inspections

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Pump inspection and wear parts replacement

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Manual flow test

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Valve switching and positioning

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UV lamp intensity test

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Pressure sensor alarm

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Liquid system inspection and cleaning

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Updates to the latest instrument configuration

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Review of service error log

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Operational check of computer and UNICORN™ software

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### Parts replaced

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Pump seals

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Membranes for pump rinsing

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O-rings

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In-line and inlet filters

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Rotor and stator for all valves

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**Note:** If your system is not covered by a Cytiva service agreement, any part replaced other than a wear part will incur additional charges.



Fig 1. ÄKTA oligosynt oligonucleotide synthesizer.

## Documentation

We provide a standardized set of documentation and test results after each service or repair. This ensures full traceability, saves time, reduces costs, and supports compliance in regulated environments. Our service engineers document every PM visit and issue a service report upon completion.

## Frequency

Our standard recommendation is one PM visit per year.

## What we do and why it matters

Main components	Outcomes
Functional testing, inspections, and calibration	Ensures reliable accuracy of testing data and system functionality.
Wear-and-tear replacement	Minimizes unexpected failure risk. Extends the life of your equipment.
As-found/as-left testing	Ensures evidence equipment runs according to specifications after completion.
Documentation	Signed service report after completion.

## An integral part of our service plans

To maintain consistent system performance of your ÄKTA oligosynt oligonucleotide synthesizer, PM is included in all our service agreements.



**Extended  
life cycle**



**Service  
traceability**



**Maximized  
productivity**

Learn more about how our service agreements can support your operations at [cytiva.com/equipment-services](https://www.cytiva.com/equipment-services)

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