

Preventive maintenance

Ensure optimal performance of your Biacore™ systems

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 Biacore™ systems meet 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

System check
Rack drive unit verification
Pneumatic control unit test
Temperature control verification
Liquid system operation verification
Optical unit and docking inspection
Autosampler lubrication and calibration
Pump mechanism cleaning and lubrication
Syringe maintenance
Chip insertion verification
Verification of Biacore control software

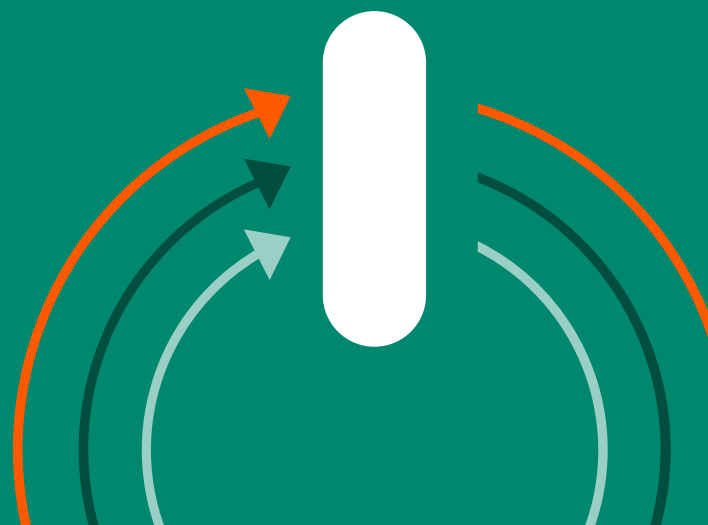


Fig 1. Biacore 1S+ system.



Fig 2. Biacore 8S+ and Biacore 8S systems.

Parts replaced

Integrated μ -fluidic cartridge (IFC)
Optical interface
Syringe maintenance kit
Peristaltic pump tubing

Note: Parts replaced during PM may vary from model to model. If your Biacore system is not covered by a Cytiva service agreement, any part replaced other than a wear part will incur additional charges.

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 recommended PM frequency is two visits per year if:

- Instrument usage is high
- Organic solvents are being used
- The instrument is used in a multi-user environment

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 and extends the life of your equipment.
As-found/as-left testing	Ensures equipment runs according to specifications after completed PM.
Documentation	Signed PM service report upon completion.

An integral part of our service plans

To maintain consistent system performance of your Biacore systems, 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

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