

# Preventive maintenance

Ensure optimal performance of your ReadyToProcess WAVE™ 25 rocking bioreactor system

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 ReadyToProcess WAVE™ 25 rocking bioreactor system 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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Air flow control loop
CO <sub>2</sub> and O <sub>2</sub> control loops
Load cells
Dissolved oxygen, pH, and temperature controls
Temperature sensing loop with new resistance temperature device (RTD)
Mechanical parts to ensure proper alignment

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Fig 1. ReadyToProcess WAVE 25 rocking bioreactor system.

### Parts replaced

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All the panel mount quick disconnects and air lines, which can break over time
Filter heater and temperature sensor cable, if required, or replacements provided for future use
RTD temperature sensor and extension cable; a new alignment pad is used on all bench-top systems
Sensor alignment pads (when applicable)
Heat resistant tape to route and secure the RTD wire (when applicable)
Tubing retention pad and jaws on the tube sealer
Sealing jaws (in the case of the hot lips II tube sealer)

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**Note:** If your system is not covered by a Cytiva service agreement, any replacement parts that are not included in the PM kit 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 one PM visit per year. We might advise additional PM visits if:

- Instrument usage is high
- WAVE™ is part of a critical workflow

Each usage situation is unique and our service team can advise on the best PM frequency to suit your needs.

## What we do and why it matters

Main components	Outcomes
Documentation	Traceability and compliance through visit records
Predictive & preventive maintenance	Potential issues detected before they affect uptime, maximized productivity
Calibration and OEM standards	Equipment kept at factory specifications, latest factory developments which ensured quality of results

## An integral part of our service plans

To maintain consistent system performance of your ReadyToProcess WAVE 25 rocking bioreactor system, PM is included in all our service agreements.



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

## cytiva.com

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