

Preventive maintenance

Ensure optimal performance of your Allegro™ XRS 25 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 Allegro™ XRS 25 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

System inspection

System inspection (exterior)

Functionality verification

mPath™ control tower alarm system

Temperature, dissolved oxygen (DO) and pH

Fluid control sub-system check

Bioreactor agitation

Motor lubrication

Gas flow rate

Control tower communications



Fig 1. Allegro XRS 25 bioreactor system.

Verification and adjustments

Load cells weight scales (×3)

pH sensor

DO sensor

Gas handling module (if required)

Parts replaced

mPath control tower air filter

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

One PM visit every year after warranty expiration.

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 completed PM.
Documentation	Signed preventive maintenance service report.

An integral part of our service plans

To maintain consistent system performance of your Allegro XRS 25 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

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