

Preventive maintenance

Ensure optimal performance of your AxiChrom™ columns

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 AxiChrom™ columns 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

Pressure test

Leakage test

Valve test (if applicable)

Mechanical inspection

Cleaning



Fig 1. A selection of columns from the AxiChrom platform.

Parts replaced

PPMA column

O-rings used in: top inlet, adaptor plate, bottom plate, and resin valve

Scrapers

Snap ring

Bed support adaptor*

Bed support bottom*

SS column

O-rings used in: top inlet, adaptor plate, bottom plate, and resin valve

*Plastic bed supports are included. Stainless steel bed supports are optional and can be included depending on your needs.

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

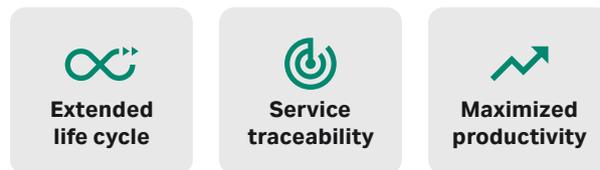
System usage	Type of PM visit
Normal to high usage: less than 4000 hours per year	One PM visit every second year
Continuous usage: more than 4000 hours per year	Two PM visits annually

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.
Exchange of all elastomers in contact with process fluid	Minimizes contamination risk due to leakage to ensure high quality end product for human use.
Documentation	Signed PM report upon completion.

An integral part of our service plans

To maintain consistent system performance of your AxiChrom columns, 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://www.cytiva.com/equipment-services)

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