

# OptiRun™ Service solutions




Ensure optimal performance of your Allegro™ STR system with a preventive maintenance



We understand the criticality and importance of your bioproduction processes, which is why we built a world-class service team to maintain your complex equipment and keep it in prime condition to help you optimize your workflow productivity, protect your investment, and support you to stay compliant.

Regular preventive maintenance (PM) is critical to optimal outcomes and reduces the likelihood of unexpected breakdowns thus minimizing downtime, while maintaining schedule and product quality. Additionally, it minimizes unexpected costly failures, and ultimately prolongs your equipment's lifecycle.

Our service engineers are trained, certified, and experienced with deep knowledge and understanding to take complete care of your Allegro™ STR system.

-  **Extended lifecycle**
-  **Service traceability**
-  **Maximized productivity**

## Cytiva PM supports your bioproduction needs.

### Main components of PM

**Functional testing, inspections, and verification**

**Wear-and-tear change**

**As-found/as-left testing**

**Documentation**

### Outcomes you can expect from PM

Ensure reliable accuracy of testing data and system functionality

Minimize unexpected failure risk; extend the life of your equipment

Ensure evidence equipment runs according to specifications after completed PM

Enable traceability with signed preventive maintenance service report upon completion of PM

# Comprehensive testing and inspections

During preventive maintenance, our qualified engineers run necessary tests and verifications to keep your equipment to factory specifications and replace any necessary components using quality parts from Cytiva. These tests were designed and optimized throughout the development of the equipment and reflect functional tests performed during assembly, as well as quality tests performed prior to delivery to your site.

## Comprehensive set of tests and inspections

<b>Functionality verification</b>	System start-Up
	Emergency stop functionality
	Pressure transmitter functionality check and verification
	Bio container over pressure functionality and measurement
	Air/CO <sub>2</sub> evacuation and gas overlay mass flow measurement
	Air, CO <sub>2</sub> , O <sub>2</sub> and N <sub>2</sub> mass flow measurement
	Visual inspection of pumps and rotational speed verification
	Exhaust filter heater temperature measurement
	Weigh frame/load-cell functionality and measurement
	Interlock microswitch functionality
	Agitation rotation speed measurement and direction
	Level sensor functionality checks (if applicable/equipped)
	Temperature control unit (TCU) filter clean and check (Lauda TCUs only)
	Dissolved oxygen (DO) and pH sensor measurement
	Temperature sensor accuracy check

## Quality parts replaced during PM

<b>Parts replaced</b>	2 x single-use polymer optical fiber (POF) pH and DO cables
	2 x electrical cabinet air filter media

## Documentation

Cytiva provides a standardized set of documentation and test results after the service or repair. This saves time, reduces costs, and supports compliance when working in a regulated environment. The service engineer documents each PM visit and provides a service report upon completion of the visit.

## Standard recommended PM frequency for Allegro™ STR systems

One preventive maintenance visit every year after warranty expiration.

## PM, an integral part of our service agreements

To ensure the continued performance of your system, we build preventive maintenance into all our service agreements. Go to [cytiva.com/service](https://cytiva.com/service) to learn more about our OptiRun™ service agreements.

## cytiva.com

Cytiva and the Drop logo are trademarks of Life Sciences IP Holdings Corp. or an affiliate doing business as Cytiva.

OptiRun is a trademark of Global Life Sciences Solutions USA LLC or an affiliate doing business as Cytiva.

Allegro is a trademark of Pall Corporation.

Any use of software may be subject to one or more end user license agreements, a copy of, or notice of which, are available on request.

©2023 Cytiva

For local office contact information, visit [cytiva.com/contact](https://cytiva.com/contact)

CY35825-11May23-FL

