



My-Control

Small but powerfull

Sustainable Life Science

Passion for all dimensions of Life

Together with our partners and customers, we do everything we can to improve on dimensions of life: Planetary Life, Human Life, Patient Life, Professional Life, Business Life and Societal Life.

To improve on Planetary Life for example, and to give us all a healthier and better future, we aim to do all we can to minimize our impact on the environment. We channel our efforts into a set of initiatives, carried out in collaboration with stakeholders across our value chain.

Getinge is committed to becoming a net-zero company by 2050 across the full value chain and our targets have been approved by the Science Based Targets initiative. Getinge has signed the UN Global Compact and we support its ten principles on human rights, labor, environment and anti-corruption. Our sustainability work is governed by our Code of Conduct and a number of policies such as human rights, anti-corruption and the environment.

Read more on www.getinge.com



SUSTAINABLE
DEVELOPMENT GOALS



WE SUPPORT

ecovadis
Business Sustainability Ratings



Partner of Choice

For the life science industry

Our aim is to support scientists, (cell)biologists, lab managers and operators achieve their goals: Improving quality of life.

Our bioreactor system portfolio covers the whole upstream bioprocess, ranging from laboratory scale and

pilot plant scale to production scale. Whatever your application is, we have the right products for you to optimize the growth of cells and bacteria that is key to the production of life-saving products.



Vaccines



Bio-Pharmaceuticals



Regenerative Medicine



Food and Beverages



Bio-Chemicals



Bio-Fuels

my-Control

– Small but powerful

The my-Control is our most advanced bioreactor controller for small scale bioreactors starting at 50 mL (working volume). The system can control bioreactors up to a total volume of 3 L. This versatile controller can be used for both cell culture and microbial cultures. With its footprint of only 19 by 35 cm (W x D) it uses the minimal amount of bench space, allowing as many as 5 on 1 m width of bench space. The built-in web server allows the my-Control to be operated by any computer with a web browser. Wireless devices like iPad, iPhone or Android tablets or phones can also be used to operate the my-Control. The selectable colored band on the unit allows the system to be personalized to fit your laboratory.

Benefits:

- Enhanced parallel processing by allowing up to 32 my-Controllers in one human interface
- Enhanced parallel processing using multi-reactor interface for batch operations on up to 8 myControls
- Easy operation through web browsers



Applications:

- Microbial and cell culture
- Cell and gene therapy
- Cellular agriculture
- Screening studies
- Media optimization
- Process optimization
- Batch, Fed-Batch, Perfusion and Continuous cultivation



Features:

- Control of all bioprocess parameters, including pH, temperature, dissolved oxygen, agitation, foam and level
- Selectable autotuning adaptive PID control for accurate control when process conditions change during the culture
- Extended liquid additions options tuned to small scale cultivation via up to 4 variable speed pumps at the front of the controller
- Enhanced gas addition strategies via 4 mass flow controllers
- No water connections needed due to electrical cooling and heating system for bioreactor and condenser (not available on all size reactors)
- USB connections for third party sensors, single use pH/DO sensors and balances
- Redox measurements

Specifications:

Sensors	
pH Sensor	Traditional electrochemical or Single-use
DO sensor	Traditional Polarographic, Optical LumiSens or Single-use
Redox	Traditional electrochemical
Temperature	Pt-100, measurement Range: 0-150 °C accuracy 0,1°C
Foam/level	Resistive based measurement
Weight	Input for external balances
Optional	Biomass (Capacitance or optical density) or Offgas measurements
Additional I/O	Up to 4 Analog in and 4 Analog out, up to 8 Digital out
Actuators	
Gas	Up to 4 MFC's or needle valves with solenoid valves, max. flow 1.500 mL/min N2 equivalent
Liquids	4 variable speed pumps, up to 40 mL/min 2 microvalves or up to 4 external variable speed pumps
Stirring	0-2000 rpm
Temperature	Peltier elements or heating blanket or cooling with cold water water valve (full Peltier only on the 500 mL)
Control	
Hardware and Software platform	Up to 4 MFC's or needle valves with solenoid valves, max. flow 1.500 mL/min N2 equivalent
Certifications	CE certified, GAMP compliant
21 CFR part 11 compatible	Yes
Communication & SCADA	Lucillus® PIMS, BioXpert W10, DeltaV™ OPC server available

Related products:

- Autoclavable bioreactors
- Single-use bioreactors
- Sensors
- Lucillus® software
- V-Control software



Getinge Service

– Total Process Control for You

With Getinge, service goes beyond replacing gaskets. Service is about in depth product knowledge to provide best in class preventive maintenance. Service is an investment in reliable equipment, a reliable process and about providing advice to the to help improve efficiency. In Getinge Service you will find our complete service offer to ease your daily challenges.

Getinge Service for bioreactor systems contains

- Workflow Optimization & Application Support
- Quality & Compliance
- Standard Service
- Extended Warranties
- Installation, Relocation and Retrofitting Services
- On-Demand Service



Quality & Compliance

All Getinge equipment is tested thoroughly throughout the manufacturing process. During our in house verification processes we perform comprehensive tests on all Getinge equipment. All quality documentation is supplied with our systems. The quality documentation is setup in such a way that it is ready to use for your validation and qualification process. Tailored to your requirements we can assist with Factory Acceptance Tests (FAT), commissioning, Site Acceptance Test (SAT) and IV/OV.

We bring over 40 years of experience with cGMP and EUDRALEX in verification, validation and qualification. Our projects department can assist your in defining your requirements right from the start. It will make your life easier knowing that our experts in the bioreactor field have defined your URS so that no detail is overlooked and all specifications are realistic and achievable.

Standard Warranty

All Getinge equipment is guaranteed for one year after delivery against defective materials and workmanship. All component parts of our products are covered by this warranty, except for normal consumable items such as glassware, sensors, O-rings and gaskets etc. Warranties are voided by unauthorized service of equipment.



Getinge Academy

– Be the Expert

Get trained and be ready! Well-trained scientists, operators, and engineers make sure that our systems are fully utilized in your operations. In our vision, training and instruction on how to operate our scientific equipment to make optimal use of its capabilities is not a one-time occurrence, but needs to be repeated on a regular basis.

That's why we created a curriculum to fit your needs. The courses range from educational hands-on and theoretical "Fermentation & Cultivation" sessions, to advanced SCADA/PIMS software training. Our team of bioprocess experts is ready to give you advice on basic or advanced process optimization questions, including process scale-up, aeration, mixing, temperature, pH, and dissolved oxygen control, plus other process controller settings.



Our in-house laboratory is equipped to run cultures and to mimic your process conditions so that recommendations can be drawn up for you based on hands-on experience. Through our Workflow Optimization Assessment we can even design training programs for your employees, as well as put together a curriculum for you. Training can also be held at your facility for a private training session or in a central location near you for general access. Customized training can be organized on demand, focusing on your specific process challenges. You can ask us to come to you to help improve your current workflow and bio-processes or even set-up completely new ones. Please contact us and we will be glad to act as your partner.

Available training courses

- Basic Cultivation course
- Advanced Cultivation course
- Basic Cell Culture course
- Basic Lucillus® PIMS training
- Advanced Lucillus® PIMS training
- On-Demand Service

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Getinge is a global provider of innovative solutions for operating rooms, intensive care units, sterilization departments and for life science companies and institutions. Based on our firsthand experience and close partnerships with clinical experts, healthcare professionals and medtech specialists, we are improving everyday life for people – today and tomorrow.

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