

epServices
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DASbox[®]

DASbox Mini Bioreactor System Performance Plans

Bioprocess systems include several sophisticated technologies. Peak performance requires smooth interplay of the subsystems and fully functioning consumable parts. Regular maintenance by qualified engineers helps to ensure reliable operation, while deferring it can cause unreliable results, expensive repairs, and prolonged downtime.

The Eppendorf DASbox[®] is the solution for bioprocessing in small working volumes. In small volumes precision and process reliability are essential. Slight deviations or

irregularities influence the process and the cultivated cells and organisms much more than at larger scales. Be on the safe side with calibrated and adjusted mass flow sensors, sensor electronics and actuators.

Eppendorf Bioprocess Performance Plans help you to maintain the optimal performance of your equipment over years of frequent use.

**Bioprocess maintenance —
see the advantage!**

eppendorf

Performance tested on

Model: _____

Serial no.: _____

Serviced by: _____

Service no.: _____

Next service: _____

Date: _____

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DASbox[®] Mini Bioreactor System Performance Plans

Service Operation	ESSENTIAL CHECK	ADVANCED MAINTENANCE	PREMIUM SERVICE	Installation Qualification/ Operational Qualification (IQ/OQ)*
Order Number	0082 150 373	0082 150 374	0082 150 375	0082 150 379
External Inspection				
General condition of DASbox [®] and all attached cables	■	■	■	■
General condition of tubing	■	■	■	
Internal Inspection				
Check/update of firmware and internal battery	■	■	■	
Check of internal settings	■	■	■	■
Functional Check				
Operational check of all actuators (heating, cooling, gassing, pumps)	■	■	■	
Operational check of exhaust condenser	■	■	■	
Operational check of sensor cables		■	■	
Operational check of all attached sensors	■			
Verification				
Verification of sensor performance		■	■	
Verification of agitation speed		■	■	■
Verification of gas flow		■	■	
Verification of temperature measurement		■	■	■
Verification of exhaust performance		■	■	
Calibration and Adjustment				
Calibration and adjustment of mass flow sensors		■	■	
Calibration of electronics of sensors for pH, DO, level, redox, temperature**	■	■	■	■
Documentation				
Check list provided	■	■	■	
Dated service sticker to confirm Eppendorf service	■	■	■	■
IQ/OQ report and certificate				■
Supporting Information				
Contract period	one year	one year	one year	n/a
Number of preventive services included	one	one	one	n/a
Costs of repairs/parts replacement outside scope of preventive maintenance visit (where Eppendorf product warranty has expired)	not included	not included	discount on parts, labor, travel time	n/a

* Separate purchase of IQ/OQ documents will be necessary

**Where feature is present

For a complete maintenance of your DASbox[®] additional services are recommended:

Control system:

> Essential Check: 0082 150 003

> Advanced Maintenance: 0082 150 004

> Premium Service: 0082 150 005

Small scale vessel:

> Essential Check: 0082 150 333

> Advanced Maintenance: 0082 150 334

> Premium Service: 0082 150 335

Your local distributor: www.eppendorf.com/contact

Eppendorf AG · Barkhausenweg 1 · 22339 Hamburg · Germany
eppendorf@eppendorf.com · www.eppendorf.com

www.eppendorf.com/epServices