



Biological Shaker

Biological Shaker Performance Plans

Biological shakers are essential to cell culture applications and are required to be in continuous use for years. Relatively small, short-term variations in shaker operation can significantly influence culturing outcomes, with negative effects on yields and/or cell expression. Eppendorf's Biological Shaker Performance Plans ensure consistent, reliable shaker performance meeting manufacturer specifications.

Biological Shaker Performance Plans include a choice of preventive maintenance protocols which are designed to check and validate stable shaker performance.

Installation Qualification (IQ) and Operational Qualification (OQ) certification services support your Quality Management requirements by providing you with qualified assurance that your biological shaker is functioning correctly, in accordance with manufacturer specifications.

Care for your shaker – optimize your cultures!

eppendorf

Performance tested on

Model: _____

Serial no.: _____

Serviced by: _____

Service no.: _____

Next service: _____

Date: _____

epServices
for premium performance

Biological Shaker Performance Plans

Service Operation	ESSENTIAL CHECK	ADVANCED MAINTENANCE	PREMIUM SERVICE	Installation Qualification (IQ)	Operational Qualification (OQ)
Order Number for Open Air Shaker	0082 080 013	0082 080 014	0082 080 015	0082 080 017	0082 080 018
Order Number for Shaker with Heating	0082 080 023	0082 080 024	0082 080 025	0082 080 027	0082 080 028
Order Number for Shaker with Heating/Cooling	0082 080 003	0082 080 004	0082 080 005	0082 080 007	0082 080 008
Order Number for Shaker S44i	0082 080 213	0082 080 214	0082 080 215	0082 080 217	0082 080 218
Order Number for Industrial Shaker	0082 080 033	0082 080 034	0082 080 035	0082 080 037	0082 080 038
External Checks and Maintenance					
Check installation environment	■	■	■	■	■
Check electrical/gas* supply and fittings		■	■	■	■
Check condition/operation of any door/lid open sensors		■	■	■	■
Check security of doors/lids, handles, door struts* and hinges		■	■	■	■
Internal Equipment and Fittings					
Check security of shaker mechanism; lubricate non-sealed bearings, as appropriate*		■	■		
Check shaker drive motor, and circulation fan*		■	■		■
Check condition of shaker drive belt; adjust belt tension as necessary		■	■		
Clean and check condenser*		■	■		
Validation and Metrology					
Validation and adjustment of operating parameters to within Eppendorf specifications	■	■	■		■ ***
Documentation					
Check List provided	■	■	■		
Dated service sticker to confirm Eppendorf service	■	■	■	■	■
IQ Report and Certificate				■	
OQ Report and Certificate					■
Supporting Information					
Contract period	one year	one year	one year	n/a	n/a
Number of preventive services included	one	one	one	n/a	n/a
Cost 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	n/a

* Where feature is present.

** Please contact your local Eppendorf Service representative for details of discounts and/or any potential additional charges applying. Additionally, if you require a Customized Service we will be very pleased to discuss your requirements.

*** The detailed certification service contents are listed in the OQ Report: e.g. verification of rpm, temperature, alarms, and final test run.

Performance Plans are available in selected countries only and service offer may differ.

Order number for combined Installation and Operational Qualification (IQ/OQ) services:

- > For open air shaker: **0082 080 019**
- > For shaker with heating: **0082 080 029**
- > For shaker with heating/cooling: **0082 080 009**
- > For shaker S44i: **0082 080 219**
- > For industrial shaker: **0082 080 039**

Your local distributor: www.eppendorf.com/contact
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www.eppendorf.com/epServices