

BioXp® 3250 system

Specification sheet

The BioXp 3250 system is an automated synthetic biology workstation for building gene fragments, clones, and libraries.

Product name	BioXp 3250 system
Catalog number	BX3250-01
Description	Automated synthetic biology workstation
Power input voltage	100–240V
Power input current	8.3 A max
Operating temperature range	16 to 40 °C
Storage temperature range	–18 to 60 °C
Operating and storage humidity range	10 to 90% (non-condensing relative humidity)
Operating altitude	Up to 2,000 m
Water ingress	Non-immersion; protection for damp wipe only
Safety and regulatory standards	IEC 61010-1:2010 3 rd edition, EN 61010-1:2010, UL, CSA
Electromagnetic compatibility	IEC 61326-1:2012; EN 61326-1:2013 KN 61000-6-4: 2015 and KN 6100-6-2: 2015, AUS/NZ CISPR 11
MTBF	> 500 process runs
Weight	63.4 kg [139.8 US lbs]
Dimensions (W × D × H)	69 × 77 × 53 cm [27 × 30 × 21 in]

BioXp® applications

The BioXp 3250 system supports applications ranging from building, cloning, and amplifying gene fragments to constructing DNA variant libraries.

Number of fragments per run	Up to 32
Number of clones per run	Up to 32
Format	96-well plate
Assembly runtimes	6 to 21 hours; variable, based on application
Fragment sizes	300 to 7,000 base pairs
Yields	200 ng to 10 µg
Error rates	1:10,000 to 1:30,000 base pairs

Specifications are subject to change.