

Grant-bio





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ES-20/80 Orbital Shaker Incubator At A Glance



- Clear touchscreen display for quick and easy parameter setting
- Stainless steel chamber
- Data logging of parameters and storage
- Bluetooth® connectivity to PC for data management, data logging, parameter control and profiling
- Stackable up to 3 units with accessory stacking kits
- Heat resistant brushless fan providing excellent heat distribution in the chamber
- Available in UK, EURO, and US versions

ES-20/80 Orbital Shaker Applications

- Microbial and cell culture cultivation
- Protein expression
- Solubility studies
- General mixing in controlled conditions
- Various other applications in the field of Life Science & Chemistry



ES-20/80 Orbital Shaker Specifications

Temperature range	+25°C... +80°C
Temperature control range	5°C above ambient... +80°C
Speed control range	50–400 rpm (increment 10 rpm)
Temperature setting resolution	0.1°C
Temperature stability	±0.1°C
Temperature accuracy at +37°C	±0.1°C
Temperature uniformity at +37°C	±0.3°C
Orbit diameter	20 mm
Display	TFT, 5 inches
Timer	1 min–96 hrs / non-stop (1 min increment)
Timer alarm	yes
Maximum capacity	10.6 kg
PC system requirements	Intel/AMD Processor, 1 GB RAM, Windows Vista/7/8/8.1/10, USB, Bluetooth
Internal working dimensions (W×D×H)	460 × 400 × 310 mm
Overall dimensions (W×D×H)	620 × 530 × 510 mm
Weight	48 kg
Power consumption (230V / 120 V)	500 W (2.2 A)
Nominal operating voltage	230 V, 50/60 Hz

Accessories



HSP-6/1000
platform

Platform with tight fit clamps for flasks.



HSP-9/500
platform

Platform with tight fit clamps for flasks.



HSP-16/250
platform

Platform with tight fit clamps for flasks.



HSP-30/100
platform

Platform with tight fit clamps for flasks.



Stacking kit for 2 × ES-20/80



Stacking kit for 3 × ES-20/80



Bluetooth adapter



UP-168
platform

Universal platform with clamps can accommodate flasks or bottles of different volume sizes. Clamps are not included with platform and need to be ordered separately.



SPML
double-sided adhesive strips

Double-sided adhesive strips. SPML is compatible with UP-168 platform, that fits both on PSU-20i orbital shaker and in ES-20/60, ES-20/80 Shakers-Incubators.

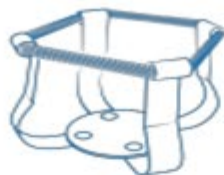
Accessories continued



TR-44/15
rack
Adjustable angle test tube rack
for UP-168



TR-21/50
rack
Adjustable angle test tube rack
for UP-168



HSC-50
clamp
Tight fit clamp 50 ml - Ø50 mm
for UP-168



HSC-100
clamp
Tight fit clamp 100 ml - Ø65 mm
for UP-168



HSC-250
clamp
Tight fit clamp 250 ml - Ø85 mm
for UP-168



HSC-500
clamp
Tight fit clamp 500 ml -
Ø105 mm for UP-168



HSC-1000
clamp
Tight fit clamp 1000 ml - Ø130
mm for UP-168

Ordering Information

- Product Code ES-20/80
- Country of Origin Latvia
- Warranty 2 years
- HS Code 8479.82.0000
- Weight 48Kg
- Dimensions 620 x 530 x 510 mm w x d x h
- Price – please refer to 2022 issued price list