

# Incubators

## Shaking Incubators, ES-20 and ES-80



- ◆ Temperature range:
  - ES-20 incubator: +25°C to 42°C x 0.1°C
  - ES-80 incubator: +25°C to 80°C x 0.1°C
- ◆ Temperature stability  $\pm 0.5^\circ\text{C}$
- ◆ Orbital shaking speed of 50 to 250rpm with 10mm (IN730-10) or 20mm orbit (IN730-20)
- ◆ Interchangeable platforms
- ◆ Digital setting of temperature and shaking speed with LCD readouts and built-in timer for shaking from 1 minute to 96 hour
- ◆ Microprocessor controlled heating with forced air circulation
- ◆ Robust construction with high visibility, Plexiglass side panels (IN730-10 only)

Model		ES-20	ES-80
Capacity	litres	19.5	53
Internal W x D x H	mm	300 x 260 x 250	390 x 450 x 300
External W x D x H	mm	340 x 340 x 435	590 x 525 x 510
Maximum vessel height	mm	156	220
Number of conical flasks held x capacity, ml		12 x 250 to 150, 6 x 250 to 300	30 x 100 to 150, 16 x 250 to 300, 9 x 500, 6 x 1000
Maximum loading capacity	kg	2.5	8
Weight, net	kg	15	43
Power rating	W	150	450

### Incubators, Grant-bio ES-20 and ES-80

As described. Comprising direct drive orbital shaker, 7mm thick plexiglass side and door windows (IN730-10), or stainless steel chamber (IN730-20), and digital display of temperature, time and shaking speed. For 230V 50/60Hz single phase supplies. Require accessory platforms for operation.

**IN730-10** Shaking Incubator, Grant-bio ES-20

**IN730-20** Shaking Incubator, Grant-bio ES-80

### Accessory platforms

- IN732-12** P12-100 platform with clamps for 12 x 100 to 150ml flasks/beakers. For use with IN730-10 only
- IN732-14** PP-4 platform with non-slip rubber mat. For use with IN730-10 only
- IN732-16** P6-250 platform with clamps for 6 x 250 to 300ml flasks/beakers. For use with IN730-10 only
- IN732-18** PUP-12 universal platform with adjustable bars. For use with IN730-10 only
- IN732-20** P16-88 platform for up to 88 x 30mm diameter tubes. For use with IN730-10 only

- IN732-22** PP-400 platform with non-slip rubber mat. For use with IN730-20 only
- IN732-24** P30-100 platform with clamps for 30 x 100 to 150ml flasks/beakers. For use with IN730-20 only
- IN732-26** P16-250 platform with clamps for 16 x 250 to 300ml flasks/beakers. For use with IN730-20 only
- IN732-28** P9-500 platform with clamps for 9 x 500ml flasks/beakers. For use with IN730-20 only
- IN732-30** P6-1000 platform with clamps for 6 x 1000ml flasks/beakers. For use with IN730-20 only

## Total Visibility Incubators, 60°C



- ◆ Temperature range ambient +5°C to 60°C
- ◆ Push button pre-set for 37°C operation
- ◆ Constructed in clear acrylic material
- ◆ Hinged front and top panels for easy access
- ◆ Side panels have two plugged service ports
- ◆ Side mounted controls, heater and fan
- ◆ Temperature fluctuation better than  $\pm 0.1^\circ\text{C}$
- ◆ Safety cut-out, pre-set at 72°C
- ◆ Can be positioned over existing apparatus

Capacity	litres	60
Internal H x W x D	mm	380 x 450 x 380
External H x W x D	mm	390 x 600 x 390
Temperature fluctuation	°C	$\pm 0.1$ at 37
No. of shelves*		3
Interval between shelves*	mm	90
Power rating	W	250

\* With accessory shelf rack system fitted.

### Incubators, Cole-Parmer

As described. Capacity 60 litres. Maximum temperature 60°C. With hinged front and top panels, temperature control system with preset at 37°C, safety temperature cut-out, air circulating fan and holes for gas or cable introduction. Supplied flat packed for assembly by the user. For 220-240V 50Hz single phase supplies. Without base plate or shelf rack system.

**IN800-10** INC-200, 60 litres, dial control, formerly Stuart SI60

**IN800-20** INC-200D, 60 litres, digital set and read control, formerly Stuart SI60D

### Accessories

- IN802-08** Base plate
- IN802-13** Shelf rack system, plastic coated wire



**IN730-10 in use with IN732-18**



**IN730-20 in use with IN732-28**



**IN800-20 in use with accessories**