



INCUBATION SHAKERS

## Ecotron

### A starter model with refinement

The Ecotron shaker is designed for microbial applications and users who want quality and performance with an excellent price-performance ratio. The shaking table is used like a shaker tray, and can be directly equipped with clamps, test tube racks or our famous Sticky Stuff. A cooling system for the Ecotron is available on request.

### Two-tier stacking option

The practical design and compact dimensions of the incubator shaker make it ideal for use in even the smallest of laboratories. It can be operated stacked in two units and as a single device, it even fits on a laboratory bench.

### Penta-Drive

The patented, high-performance Penta drive unit is at the heart of many INFORS HT shakers. The highlight of the drive is its ingenious dynamic mass-balancing system, which ensures whisper-quiet, vibration-free operation.

### Comfortable

All the parameters associated with your culture are constantly on display, thanks to the big, bright lights of the LED display. You can follow your process from across the laboratory. The intuitive menu navigation adds convenience.



Shake flask sizes  
25 mL – 5000 mL



Suitable for  
microbials



High-performance  
Penta-Drive



Cooling (optional)



Compatibility  
With INFORS HT clamps, test  
tube holders, microtitre plates  
and Sticky Stuff.

# Features & Accessories

## Housing

- A folding door that opens to the front makes for convenient loading
- Can be set up as a free-standing or benchtop unit, or in a two-tier configuration
- Drip tray for easy cleaning

## Drive

- Patented Penta drive with dynamic balancing
- Quiet and vibration-free
- Precise shaking speed control
- Watertight

## Operating unit

- Splash-resistant display
- Intuitive operation for easy handling

## Accessories

- CGQ (Cell Growth Quantifier) for non-invasive online measurement of biomass in shake flasks
- Liquid Injection System (LIS) for automatic and parallelized liquid feeding in shake flasks
- Autoclavable trays made of corrosion resistant, anodized aluminium
- Sticky Stuff adhesive mats for a reliable fixation
- Stainless steel clamps for Erlenmeyer and Fernbach flasks
- Holders for test tubes or Falcon tubes



## Technical data

|                        |  |
|------------------------|--|
| Dimensions (W x D x H) | 635 mm x 630 mm x 630 mm                                       |
| Number of batches      | 49   |
| Volume                 | 6 L  |
| Maximum load           | 10 kg  |
| Maximum expansion      | Up to 2 units can be stacked                                   |
| Rotation speed         | 20 – 550 min <sup>-1</sup> depending on load                   |
| Shaking throw          | 25 mm  |
| Temperature            | 5 °C above RT to 65 °C<br>10 °C below RT to 65 °C with cooling |
| Standard parameters    | Temperature, rotation speed                                    |
| Optional parameters    | Cooling  |
| Power supply           | 115/230 V ± 10%, 50/60 Hz                                      |

## Tray capacity

| Shake flask size | E tray (420 mm x 420 mm) |
|------------------|--------------------------|
| 25 mL            | 49                       |
| 50 mL            | 49                       |
| 100 mL           | 25                       |
| 250 mL           | 25                       |
| 500 mL           | 16                       |
| 1000 mL          | 9                        |
| 2000 mL          | 4                        |
| 3000 mL          | 2                        |
| 4000 mL          | 3                        |
| 5000 mL          | 2                        |

«The Ecotron is our simplest and smallest incubator shaker for microbial cultures that fits on or under a lab bench.»

Iwo Zamora – Bioprocess Expert



Contact us for a personal consultation.

[www.infors-ht.com/en/ecotron](http://www.infors-ht.com/en/ecotron)