

# Corning® LSE™ Shaking Incubators

CORNING



Corning LSE 49L and 71L Shaking Incubators (49L shown)



Corning LSE Benchtop Shaking Incubator

Corning LSE Shaking Incubators are the ideal solution to meet your small batch incubator needs. Whether performing bacterial research, microbiology, insect studies, yeast cultures, egg incubation, or any number of other applications, the shaking incubators from Corning provide a safe and convenient format for incubating your precious samples. Each model features an integrated orbital shaker designed into a compact footprint maximizing laboratory space. Additionally, a wide range of platform accessories are available to accommodate Corning glass and plastics consumables.

## Features

- ▶ Outstanding temperature uniformity
- ▶ Large viewing area for undisturbed monitoring of samples
- ▶ Broad temperature range
- ▶ Multiple shelving options
- ▶ Precision control shaking mechanism

## Corning® LSE™ Benchtop Shaking Incubator



Truly a benchtop style, the lid on the Corning benchtop shaking incubator has a low pivot point which provides a space-saving size sure to fit on the lab bench and under shelves. Each unit includes a software package, which provides the option of saving data to an external computer or monitoring rpm and temperature throughout runs. The maximum capacity is 4 x 1L flasks.

### Specifications

|                             |  |
|-----------------------------|--|
| Temperature Range           | Ambient +5°C to +70°C  |
| Operation Temperature Range | 4°C to 65°C  |
| Shaker Speed                | 20 to 300 rpm  |
| Shaker Timer                | 1 minute to 99 hours or continuous   |
| Shaker Orbit                | 19 mm  |
| Temperature Increments      | 0.1°C  |
| Temperature Accuracy        | ±0.5°C   |
| Temperature Uniformity      | ±0.5°C   |
| Speed Increments            | 1 rpm  |
| Platform Dimensions         | 11.8 x 11.8 in. (30 x 30 cm)   |
| Dimensions (W x D x H)      | 14.6 x 20.9 x 15.7 in. (37 x 53 x 40 cm)                                       |
| Weight                      | 43 lbs (19.5 kg)   |
| Height Lid Open             | 21.7 in. (55 cm)   |
| Communication Port          | USB for temperature and rpm monitor with included Windows® compatible software |
| Electrical                  | 120V/230V, 50/60 Hz  |

## Corning LSE 49L Shaking Incubator



This cabinet-style incubator has a compact footprint and can also be stacked to maximize space efficiency. The built in orbital shaker accepts a large assortment of platforms and clamps that can accommodate flasks, Petri dishes, and test tube racks. The maximum capacity is 4 x 1L flasks.

### Specifications

|                                 |   |
|---------------------------------|---|
| Chamber Volume                  | 49L/1.7 cu. ft.   |
| Temperature Range/Display       | Ambient +5° to 80°C in 0.1°C increments/digital                   |
| Temperature Uniformity/Accuracy | ±0.25°C/±0.1°C  |
| Shaker Speed                    | 20 to 400 rpm (maximum 300 rpm when stacked)                      |
| Shaker Timer                    | 0 to 99 minutes or continuous                                     |
| Shaker Orbit                    | 19 mm   |
| Flask Capacity                  | 4 x 1L, 5 x 500 mL, 9 x 250 mL, 16 x 125 mL                       |
| Construction                    | Interior: Mirrored stainless steel<br>Exterior: Cold rolled steel |
| Chamber (W x D x H)             | 13.5 x 14.75 x 15 in. (34.3 x 37.5 x 38.1 cm)                     |
| Exterior (W x D x H)            | 23 x 19.25 x 22.25 in. (42.5 x 55 x 58 cm)                        |
| Weight                          | 83 lbs (37.7 kg)  |
| Electrical                      | 120V/230V, 50/60 Hz   |

## Corning® LSE™ 71L Shaking Incubator



This high performance shaking incubator has a full size glass door and internal light that allows easy viewing of samples without disturbing the chamber contents. Mechanical convection provides a safe, stable temperature environment and fast chamber temperature recovery after opening the door. The maximum capacity is 4 x 2L/6 x 1L flasks.

### Specifications

|                                 |   |
|---------------------------------|---|
| Chamber Volume                  | 71L/2.5 cu. ft.   |
| Temperature Range/Display       | Ambient +5° to 80°C   |
| Temperature Uniformity/Accuracy | ±0.2°C at 37°C  |
| Temperature Display             | 0.1°C   |
| Shaker Speed                    | 20 to 300 rpm   |
| Shaker Orbit                    | 19 mm   |
| Shaker Timer                    | 0 to 99 minutes or continuous   |
| Dimensions (W x D x H)          | Chamber: 17.4 x 15.6 x 16 in. (44.2 x 39.6 x 40.6 cm)<br>Exterior: 22.6 x 21.4 x 25 in. (57.4 x 54.4 x 63.5 cm) |
| Weight                          | 140 lbs (63.6 kg)   |
| Electrical                      | 120V/230V, 50/60 Hz   |

### Ordering Information

#### Corning LSE Benchtop Shaking Incubator

| Cat. No. | Description  | Qty/Cs |
|----------|--|--------|
| 6790     | LSE Benchtop shaking incubator with platform, 120V           | 1      |
| 6791     | LSE Benchtop shaking incubator with platform, 230V (EU plug) | 1      |
| 480144   | Universal platform, 30 x 30 cm                               | 1      |
| 480145   | Petri dish shelf   | 1      |
| 480146   | Sticky mat, 150 x 150 x 30 mm                                | 1      |
| 480147   | Microtiter hotel, holds maximum 4 microplates                | 1      |
| 480148   | Combination tube holder, 6 x 15/50 mL tubes                  | 1      |
| 480149   | Plastic clamp, 125 mL  | 1      |
| 480150   | Plastic clamp, 250 mL  | 1      |
| 480151   | Plastic clamp, 500 mL  | 1      |
| 480152   | Plastic clamp, 1000 mL                                       | 1      |

#### Corning LSE 49L Shaking Incubator

|        |   |   |
|--------|---|---|
| 6750   | LSE Shaking incubator, 49 Liters, 120V                                  | 1 |
| 6752   | LSE Shaking incubator, 49 Liters, 230V (EU and UK plug)                 | 1 |
| 480153 | Flask clamp platform, pre-drilled                                       | 1 |
| 480154 | Flat platform with nonslip rubber mat (300 x 300 mm)                    | 1 |
| 480155 | Double flat platform with non-slip rubber mat (300 x 300 mm)            | 1 |
| 480156 | Universal spring-loaded clamp platform for Cat. Nos. 6750 and 6752 only | 1 |
| 480157 | Shelf, full, for Cat. Nos. 6750 and 6752                                | 1 |
| 480158 | Stacking adapter for Cat. Nos. 6750 and 6752                            | 1 |

#### Corning LSE 71L Shaking Incubator

|        |  |   |
|--------|--|---|
| 6753   | LSE Shaking incubator, 71L, 120V                             | 1 |
| 6754   | LSE Shaking incubator, 71L, 230V (EU and UK plug)            | 1 |
| 480159 | Shaking platform pre-drilled for flask clamps                | 1 |
| 480160 | Flat shaker platform with non-slip rubber mat (390 x 330 mm) | 1 |
| 480161 | Platform with 4 x 2L flask clamps                            | 1 |
| 480162 | Platform with 6 x 1L flask clamps                            | 1 |
| 480163 | Platform with 8 x 500 mL flask clamps                        | 1 |
| 480164 | Platform with 12 x 250 mL flask clamps                       | 1 |
| 480165 | Platform with 20 x 125 mL flask clamps                       | 1 |
| 480166 | Platform with 30 x 50 mL flask clamps                        | 1 |
| 480168 | Rack holder for 15 mL test tubes                             | 1 |
| 480169 | Rack holder for 50 mL test tubes                             | 1 |
| 480170 | Shelf, full, for Cat. Nos. 6753 and 6754                     | 1 |

#### Clamps for 49L and 71L Shaking Incubators

|        |  |   |
|--------|--|---|
| 480110 | Clamp for 25 mL flask                            | 1 |
| 480111 | Clamp for 50 mL flask                            | 1 |
| 480112 | Clamp for 125 mL flask                           | 1 |
| 480113 | Clamp for 250 mL flask                           | 1 |
| 480114 | Clamp for 500 mL flask                           | 1 |
| 480115 | Clamp for 1,000 mL flask                         | 1 |
| 480167 | Clamp for 2,000 mL flask (for use with 71L only) | 1 |

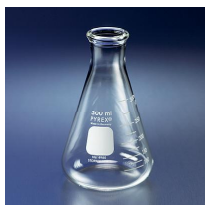
## Complementary Products

Insect media for the following cell lines: Sf9, Sf21, D52, Tn-368\*



| Cat. No.  | Description   | Qty/Pk |
|-----------|---|--------|
| 13-410-CV | Corning® insectagro® Sf9 medium, serum-free insect media        | 6      |
| 13-402-CV | Corning insectagro D52 medium, serum-free insect media          | 6      |
| 13-200-CV | Grace's supplemented (Vaughn Mod.), classical insect media      | 6      |
| 13-100-CV | Hink's TNM-FH medium, classical insect media                    | 6      |
| 13-901-CI | Poloxamer 188 (shear force protectant), supplement insect media | 6      |

\*Custom formulations available upon request. Please contact your local Corning Account Manager.



### Polycarbonate Erlenmeyer Flasks

| Cat. No. | Description   | Qty/Cs |
|----------|---|--------|
| 431143   | Corning 125 mL polycarbonate Erlenmeyer flask with vent cap | 50     |
| 431144   | Corning 250 mL polycarbonate Erlenmeyer flask with vent cap | 50     |
| 431147   | Corning 1L polycarbonate Erlenmeyer flask with vent cap     | 25     |
| 431255   | Corning 2L polycarbonate Erlenmeyer flask with vent cap     | 6      |



### Gosselin™ Petri Dish

| Cat. No. | Description                                       | Qty/Pk | Qty/Cs |
|----------|---|--------|--------|
| BP94S-01 | Round Petri dish, 100 x 15 mm, stackable, sterile | 25     | 500    |

For more specific information on claims, visit the Certificates page at [www.corning.com/lifesciences](http://www.corning.com/lifesciences).

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