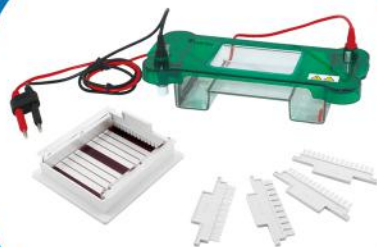
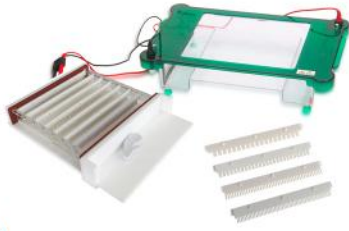


Horizontal Electrophoresis System

LHES-A Series



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LHEs-A10

Horizontal Electrophoresis System LHEs-A10 is a high resolution horizontal unit with gel dimension (W × L) 48 × 75 mm. Different well size enables complete control over sample loading and casting dams to a maximum of 18-sample throughput. Buffer volume of 150 ml provides cooling effect and stable pH during process. Transparent safety lid evades electricity drip and sample volatilizing in cell.

LHEs-A11

Horizontal Electrophoresis System LHEs-A11 is a high resolution horizontal unit with gel dimension (W × L) 78 × 100 mm. Different well size enables complete control over sample loading and casting dams to maximum of 30-sample throughput. Buffer volume of 400 ml provides cooling effect and stable pH during process. Transparent safety lid evades electricity drip and sample volatilizing in cell.

LHEs-A12

Horizontal Electrophoresis System LHEs-A12 is a high resolution horizontal unit with 3 different gel dimension (W × L) 200 × 200 mm, 200 × 150 mm and 200 × 100 mm. Supplied with 3 different gel trays and 6 comb positions offers complete control over sample loading and casting dams to maximum of 168-sample throughput. Large volume buffer of 1800 ml ensures cooling effects and stable pH value for running gel at high voltage. Transparent safety lid evades electricity drip and sample volatilizing in cell.

LHEs-A13

Horizontal Electrophoresis System LHEs-A13 is a high resolution horizontal unit with gel dimension (W × L) 245 × 250 mm. Supplied with a gel tray and 7 comb positions that offers complete control over loading sample and casting dams to maximum of 364-sample throughput. Large volume buffer of 2000 ml ensures cooling effects and stable pH value for running gel at high voltage. Transparent safety lid evades electricity drip and sample volatilizing in cell.

Horizontal Electrophoresis System LHES-A Series

Features

- Minute number of samples separated with high precision (LHES-A10 and LHES-A11)
- Ultra-high resolution separation over extended run times
- Multi-channel pipette compatible combs reduce gel loading time
- Dismountable electrodes (easy maintenance)
- Automatic power off on lid removal
- High quality gel casting apparatus prevents gel leakage
- long life platinum electrodes and high apparent material for gel molding
- lugs for convenient opening and closing of lid
- Side handles, for safe and easy transportation around the laboratory

Applications

Specifically designed for high resolution analytical and preparative studies of numerous samples of nucleic acids, screening PCR products, cloning and RFLP analysis.

Specifications

| Model no | LHES-A10 | LHES-A11 | LHES-A12 | LHES-A13 |
|-------------------------------|---|---------------------------------------|---|---|
| Gel dimension | 48 × 75 mm | 78 × 100 mm | 200 × 200 mm, 200 × 150 mm, 200 × 100 mm | 245 × 250 mm |
| Buffer volume | 150 ml | 400 ml | 1800 ml | 2000 ml |
| Sample capacity | 3 to 18 | 10 to 30 | 17 to 104 | 19 to 364 |
| Gel casting material | Polycarbonate | Polycarbonate | Polycarbonate | Polycarbonate |
| Rows of comb | 3 | 3 | 6 | 7 |
| Comb thickness and no of well | 1 mm and 1.5 mm for 3, 5, and 9 well comb | 1 mm and 2 mm for 10 and 15 well comb | 1 mm and 1.8 mm for 17, 22, 36 and 44 well comb | 1 mm and 1.8 mm for 19, 26, 44 and 52 well comb |
| Unit dimension (L × W × H) | 250 × 90 × 50 mm | 365 × 150 × 55 mm | 397 × 230 × 93 mm | 487 × 300 × 93 mm |
| Weight | 0.4 kg | 0.6 kg | 3.3 kgs | 3.8 kgs |

Horizontal Electrophoresis System LHES-A Series

Standard accessories

LHES-A10

| Accessories no | Accessories name | Unit |
|----------------|------------------------------|------|
| 1. | Lid with cables | 1 |
| 2. | Body tank with electrodes | 1 |
| 3. | 48 × 75 mm Gel tray | 1 |
| 4. | Gel casting stand | 1 |
| 5. | 1.0 mm thickness 3-well comb | 2 |
| 6. | 1.5 mm thickness 3-well comb | 2 |
| 7. | 1.0 mm thickness 5-well comb | 2 |
| 8. | 1.5 mm thickness 5-well comb | 2 |
| 9. | 1.0 mm thickness 9-well comb | 2 |
| 10. | 1.5 mm thickness 9-well comb | 2 |

LHES-A11

| Accessories no | Accessories name | Unit |
|----------------|-------------------------------|------|
| 1. | Lid with cables | 1 |
| 2. | Body tank with electrodes | 1 |
| 3. | 78 × 100 mm Gel tray | 1 |
| 4. | Gel casting stand | 1 |
| 5. | 1.0 mm thickness 10-well comb | 2 |
| 6. | 2.0 mm thickness 10-well comb | 2 |
| 7. | 1.0 mm thickness 15-well comb | 2 |
| 8. | 2.0 mm thickness 15-well comb | 2 |

Horizontal Electrophoresis System LHES-A Series

LHES-A12

| Accessories no | Accessories name | Unit |
|----------------|-------------------------------|------|
| 1. | Lid with cables | 1 |
| 2. | Body tank with electrodes | 1 |
| 3. | 200 × 200 mm Gel tray | 1 |
| 4. | 200 × 150 mm Gel tray | 1 |
| 5. | 200 × 100 mm Gel tray | 1 |
| 6. | Gel casting stand | 1 |
| 7. | 1.0 mm thickness 17-well comb | 2 |
| 8. | 1.8 mm thickness 17-well comb | 2 |
| 9. | 1.0 mm thickness 22-well comb | 2 |
| 10. | 1.8 mm thickness 22-well comb | 2 |
| 11. | 1.0 mm thickness 36-well comb | 2 |
| 12. | 1.8 mm thickness 36-well comb | 2 |
| 13. | 1.0 mm thickness 44-well comb | 2 |
| 14. | 1.8 mm thickness 44-well comb | 2 |
| 15. | level adjusting button | 4 |

LHES-A13

| Accessories no | Accessories name | Unit |
|----------------|-------------------------------|------|
| 1. | Lid with cables | 1 |
| 2. | Body tank with electrodes | 1 |
| 3. | 245 × 250 mm Gel tray | 1 |
| 4. | Gel casting stand | 1 |
| 5. | 1.0 mm thickness 19-well comb | 2 |
| 5. | 1.8 mm thickness 19-well comb | 2 |
| 7. | 1.0 mm thickness 26-well comb | 2 |
| 8. | 1.8 mm thickness 26-well comb | 2 |

Horizontal Electrophoresis System LHEs-A Series

| | | |
|-----|-------------------------------|---|
| 9. | 1.0 mm thickness 44-well comb | 2 |
| 10. | 1.8 mm thickness 44-well comb | 2 |
| 11. | 1.0 mm thickness 52-well comb | 2 |
| 12. | 1.8 mm thickness 52-well comb | 2 |
| 13. | level adjusting button | 4 |

POWER SUPPLY

| Power supply | LHEs-A10 and LHEs-A11 | LHEs-A12 and LHEs-A13 |
|----------------------------------|---------------------------------------|-----------------------|
| Voltage range | 5 to 300 V | 10 to 600 V |
| Current range | 1 to 400 mA | 1 to 500 mA |
| Power range | 1 to 120 W | 1 to 300 W |
| Type of control | Constant V, Constant I and Constant P | |
| Display | LCD screen with backlight | |
| Output jack | Four sets | |
| Storage function | Store 10 methods | |
| Programming method | No | |
| Timing function | 1 min to 99 hrs 59 min | |
| V-hr function | No | |
| Pause control function | Yes | |
| Power recovery function | Optional | |
| Automatic memory function | Yes | |
| Automatic shutdown function | Yes | |
| Intelligent prompt functions | Yes | |
| Non-proliferation field function | Optional | |
| Temperature detection function | No | |
| Safety performance | Yes | |
| Molding machine casing | Yes | |
| Dimension (L x W x H) | 280 × 237 × 118 mm | |
| Weight | 3.2 Kg | |