



electra™ SA

SEMI AUTOMATED CLIA ANALYZER

KEY FEATURES

- Bench top, compact microplate reader
- High sensitivity due to Enhanced Signal Generation process and Signal Amplification process
- Options to run 12 assays on the same plate at the same time.
- Photo amplification is done by Head on type Photo Multiplier Tube.
- Solid phase is white Microwells made of Titanium within the layers of Polystyrene.
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TECHNICAL SPECIFICATIONS

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|-----------------------|--|
| Measurement | System Counter type PMT for glow luminescence measurements |
| Wavelength range | 300 – 650nm |
| Measurement range | 0 – 2.5X10 ⁷ RLU |
| Measurement increment | 1 RLU (Relative Light Units) |
| Background Signal | ≤ 100RLU@25°C |
| Crosstalk | ≤ 5X10 ⁻⁵ |
| Linear Range | 0-2.5X10 ⁷ RLU |
| Linearity | ≤ 99% Coefficient of correlation |
| Precision | CV<3% |
| Sensitivity | ≤ 5X10 ⁻¹⁷ mol C14 |
| Integration time | 0.1 – 10sec/well |
| Power Supply | 220V 50Hz,150 VA |
| Dimensions | 39 cms x 36.5 cms x 19.2cms |
| Weight | 14.5 kgs |
| Cat. No. | 840ES000002 |

LIST OF STANDARD COMPONENTS SUPPLIED ALONG WITH THE INSTRUMENT

| Components | Qty | Components | Qty |
|-----------------------------------|-------|-------------------------------|--------|
| 1. Power Cord | 1 No. | 5. RS-232 Cable | 1 No. |
| 2. Software CD | 1 No. | 6. Reagent Tank Brown 15 ml | 2 Nos. |
| 3 Tip Box with Microtips | 1 No. | 7. Reagent Tank White - 15 ml | 1 No. |
| 4 Electra Multichannel Pipette 8c | 1 No. | 8. Electra Workstation | 1 No. |

ACCESSORIES/CONSUMABLES FOR USE WITH ELECTRA SA

| Accessories/ Consumables | Cat No. | Pack Size |
|---|----------------|------------------|
| Electra Workstation | 836WS000001 | 1 No. |
| Electra Pipette 8 Channel | 836AP000820 | 1 No. |
| Electra Reagent tank 15 ml Brown (Top, Bottom, Cap) | 836RB000015 | 25 Nos |
| Electra Reagent tank 15 ml White (Top, Bottom, Cap) | 836RW000015 | 25 Nos |