

Endless Love  To Guard The New Life Safe



NBB-IV

NEONATE BILIRUBIN
PHOTOTHERAPY EQUIPMENT

 0123

Stock code [300314]


DAVID

Brief Introduction

- Intensive phototherapy equipment, large effective treatment area, meets AAP Guidelines for intensive phototherapy;
- Double sides LED phototherapy radiation;
- Bed temperature mode servo controlled by micro-computer;
- Baby temperature detection, LCD color display;
- Self-checking and multiple failure alarm;
- Timer for the phototherapy time;
- Height of upper light box is adjustable, angle 180° adjustable in horizontal position;
- Transparent curtain surrounded the upper light box to preserve thermal;
- Environment temperature detection.



Standard Configuration

Upper light box (including operation screen), bed, mattress, guard, storage box and mobile stand.

Specification

Power supply: AC110V-230V/50-60Hz, 150VA

Temperature control mode: bed temperature servo control mode

Bed temperature control range: 35°C-38°C

Skin temperature display range: 5°C-65°C

Accuracy of bed temperature control: $\leq \pm 1.0^\circ\text{C}$

Accuracy of bed temperature display: $\leq \pm 0.7^\circ\text{C}$

Bed temperature variability: $\leq \pm 0.5^\circ\text{C}$

Heating up time: 2 hours (the mattress temperature rise from 23°C to 37°C)

Accuracy of skin temperature sensor: $\leq \pm 0.2^\circ\text{C}$

Mattress temperature uniformity: $\leq \pm 2.5^\circ\text{C}$

Working noise of bed surface: $\leq 55\text{dB(A)}$

Failure alarm: over-temperature alarm, sensor alarm, temperature deviation alarm, motor fan failed alarm

General bilirubin radiation of the effective surface area:

Upper phototherapy:

| Irradiation distance cm | LED | Average value of general bilirubin radiation uW/cm ² /nm | General radiation uW/cm ² /nm | Maximum value of general bilirubin radiation uW/cm ² /nm |
|-------------------------|--------|---|--|---|
| 28 | ALL ON | ≥ 47 | ≥ 53 | ≥ 68 |
| 38 | ALL ON | ≥ 39 | ≥ 45 | ≥ 63 |
| 48 | ALL ON | ≥ 33 | ≥ 42 | ≥ 59 |

Nether phototherapy:

| LED | Average value of general bilirubin radiation uW/cm ² /nm | General radiation uW/cm ² /nm | Maximum value of general bilirubin radiation uW/cm ² /nm |
|--------|---|--|---|
| ALL ON | ≥ 35 | ≥ 42 | ≥ 60 |

Uniformity of the total irradiance for bilirubin: ≥ 0.4

Dominant wavelength of blue light: 420-470nm

Light effective surface: 54cm × 26cm

Life time of LED: 20000hrs

Operating request

Temperature range: 20°C-30°C

Relative humidity: 30%-75%RH

Atmospheric pressure: 700hPa ~ 1060hPa

Product Packaging

Package: the whole unit is packed into one carton

Dimension: 970mm × 930mm × 1380mm

Gross Weight: 70Kg



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