

**PACKAGE IV: BASIC NEONATAL EQUIPMENT
 TECHNICAL SPECIFICATIONS
 ITEM NO. IV.1
 BASIC INCUBATOR**

SPECIFICATIONS	STATEMENT OF COMPLIANCE
BASIC STRUCTURE	
Basic Incubator consisting of:	
Incubator hood	
Temperature controller	
Standard humidity module	
Mobile stand	
ACCESSORIES:	
Front storage drawers	
Mattress	
Rails for accessories	
Patient skin probe	
CHARACTERISTICS	
1. Incubator hood and mattress	
Double wall and other parts of incubator easily removable for cleaning	
At least two opposite doors for quick access	
Small range temperature drop with door down	
Front door access	
One iris port on each lateral side, two irises on front and back or doors for access	
Mattress with minimum surface of 2.000 cm ²	
Tilting of the mattress	
Tubing access - minimum 4	
2. Temperature controller	
Microprocessor controlled	
Automatic test on start-up	
Heat up time to 39°C to be 30 minute or less	
Removable control unit for easy service	
Centralized display for patient, air temperatures control with alarms	
Display for function settings, parameters and trending, easy to operate and-clean	
Accurate air temperature control using two air probes	
Air temperature range between: 20 and 39°C	
Baby temperature control using reusable skin	

probe	
Baby skin temperature range between 35 and 37°C	
Keypad lock function for protection	
Override function at air temperature over 38°C	
3. Standard humidity module	
Internal reservoir included	
Front mounted for easy accessibility	
All humidifier parts can be completely removed for filling and cleaning	
Humidity range up to 70% RH	
4. Mobile stand	
Stand on four anti-static wheels, from which two locking	
Electrical height adjustment of the stand	
Height variable 90-110 cm or more	
Two front drawers	
5. Alarms	
audio alarms	
Baby set temperature: +/- 1 °C	
High/Low air temperature: +1 / -3 °C or better	
Baby skin temperature probe fail	
Air temperature probe fail	
Power fail	
Air flow fail	
System fail	
6. Accessories included	
Front drawers - 2 pieces	
Mattress -1 piece	
Rails for accessories - 2 pieces	
Patient skin probe reusable - 2 pieces	
7. Physical properties	
Weight: maximum 100 Kg	
Power requirements: 220/240 V, 50-60 Hz	
Ambient operating temperature: minimum 20-30 °C	
Ambient humidity: 0-90 %RH	
STANDARDS	
The equipment shall be manufactured by ISO 9001: 2000 certified companies	
WARRANTY AND SERVICE CONDITIONS	

Period : 24 months from the moment of installation	
Maximum response time at beneficiary site: 72 Hours	
INCIDENTAL SERVICES	
Training for at least 2 medical personnel on site at beneficiary location	
Training for at least 2 technical personnel on site at beneficiary location	
Installation and commissioning	
User manual translated into Romanian language	