

# Ambu<sup>®</sup> BlueSensor NF

ECG Electrode - Single use



## Key Benefits

- Skin-friendly solid gel
- Breathable soft cloth backing
- Unique offset connector
- High-quality Ag/AgCl sensor
- Available with various connectors and colour coded lead wires

## Ambu<sup>®</sup> BlueSensor NF

The very small Ambu BlueSensor NF has been specially developed for babies and smaller children. The electrode features a skin-friendly solid gel that ensures optimal signal during long-term applications, and also allows the electrode to be repositioned if necessary.

Thanks to the cloth material, skin is able to breathe so the electrode remains comfortable to wear over long periods. The NF electrodes are available with a stud connector and colour-coded lead wires.



Solid gel



Cloth backing

**BlueSensor**

**Ambu**<sup>®</sup>  
Ideas that work for life

## Specifications

| Dimensions   |                        |
|--|------------------------|
| Electrode size* (max. L x W or diameter in mm)     | 44.3 x 22/30 x 22      |
| Skin contact size (max. L x W or diameter in mm)   | 28 x 20                |
| Adhesive area (in mm <sup>2</sup> )                | 474                    |
| Height excluding connector/wire (in mm)            | 1                      |
| Sensor   |                        |
| Sensor material                                    | Silver/silver chloride |
| Gel system   | Solid gel              |
| Sensor area* (in mm <sup>2</sup> )                 | 33/54                  |
| Gel area/measuring area (in mm <sup>2</sup> )      | 474                    |
| Electrical data (ANSI/AAMI)                        |                        |
| AC impedance - typical                             | 600 Ω                  |
| DC offset voltage - typical                        | 0.2 mV                 |
| Defibrillation overload recovery - typical         | 15 mV                  |
| Rate of change of polarization potential - typical | 0.5 mV/s               |
| Combined offset instability and internal noise     | <90 μV                 |
| Bias current tolerance (over 8 hours)              | <30 mV                 |

## Material

| Electrode            |                                     |
|----------------------|-------------------------------------|
| Bio-compatible       | Yes                                 |
| Sensor               | Silver/silver chloride (Ag/AgCl)    |
| Sponge               | -                                   |
| Outer carrier        | Non woven polyester                 |
| Outer adhesive       | Solid gel                           |
| Upper part*          | Polyvinyl chloride/EVA-polyethylene |
| Fitting              | Polypropylene (PP)                  |
| Connector (stud)     | Nickel-plated brass                 |
| Lead wire core       | Copper                              |
| Lead wire insulation | Polyvinyl chloride                  |
| Lead wire connector  | Brass/polypropylene                 |
| Liner                | Siliconized polyester film          |

\*non-wire/wire

| Environment                                  |           |
|--|-----------|
| PVC-free electrode                           | No        |
| Electrode not made with natural rubber latex |           |
| PVC-free lead wire                           | No        |
| Wire not made with natural rubber latex      |           |
| PVC-free packaging                           | Yes       |
| X-ray & MRI                                  |           |
| Radiolucent                                  | No        |
| MR Conditional                               | No        |
| Shelf life                                   |           |
| In opened pouches                            | 1 month   |
| Unopened pouches**                           | 24 months |

\*non-wire/wire \*\*from date of production

| Packaging             |                     |
|-----------------------|---------------------|
| Pouches, inner layer  | Polyethylene (PE)   |
| Pouches, centre layer | Aluminium (Al)      |
| Pouches, outer layer  | Polyester (PET)     |
| Boxes                 | Cardboard           |
| Standard Packaging    |                     |
| Quantity/liner        | 3                   |
| Quantity/pouch        | 3, 12, 30           |
| Quantity/box          | 600/1200, 1200/2400 |
| Minimum sales         | 1200                |

| Options              |            |
|----------------------|------------|
| Connectors           | S, F       |
| Pre-wired            | Yes        |
| Pre-wired connectors | A, F, J, K |
| Precaution           |            |
| Single use only      |            |

## Available configurations\*

| Quantity/pouch | 3                            | 12        | 30 |
|----------------|------------------------------|-----------|----|
|                | Quantity per inner/outer box |           |    |
| NF-00-S        |                              | 1200/2400 |    |
| NF-00-F        |                              | 600/1200  |    |
| NF-10-A, F     |                              | 600/1200  |    |
| NF-50-A, F     |                              | 600/1200  |    |

| Quantity/pouch | 3                            | 12       | 30       |
|----------------|------------------------------|----------|----------|
|                | Quantity per inner/outer box |          |          |
| NF-50-J        | 600/1200                     |          |          |
| NF-50-K/EU**   | 600/1200                     | 600/1200 |          |
| NF-50-J/W**    |                              | 600/1200 |          |
| NF-50-K/W**    |                              | 600/1200 | 600/1200 |
| NF-50-K/US**   | 600/1200                     |          |          |

- Product
  - Wire length
  - Connector
- NF-00-S

\*some configurations may not be available worldwide.  
 \*\* EU = Coloured lead wire: red, yellow, black  
 US = Coloured lead wire: green, black, white  
 W = Wound lead wire

## Connectors



S = Stud



F = 3 mm connector

### Pre wired connectors



A = 4 mm connector



F = 3 mm connector



J = 2 mm connector



K = 1.5 mm connector