

# Ambu® BlueSensor BRS

ECG Electrode - Single use



## Key Benefits

- Skin-friendly solid gel
- Soft cloth backing material
- Small size ideal for neonatal patients
- Radiolucent
- Special shape for improved adhesion

## Ambu® BlueSensor BRS

The tiny radiolucent Ambu BlueSensor BRS has been specially developed for babies and newborns. The electrode features a skin-friendly solid gel that ensures optimal signal quality during monitoring, and also allows the electrode to be repositioned if necessary.

Thanks to the soft material the electrode remains comfortable to wear over long periods. The BRS is only available with preattached lead wires (colour-coding optional).



Solid gel



Cloth backing



Radiolucent

**BlueSensor**

**Ambu**  
Ideas that work for life

## Specifications

Dimensions	
Electrode size (L x W in mm)	16 x 19
Skin contact size (L x W in mm)	16 x 19
Adhesive area (in mm <sup>2</sup> )	269
Height excluding connector/wire (in mm)	1
Sensor	
Sensor material	Silver/silver chloride
Gel system	Solid gel
Sensor area (in mm <sup>2</sup> )	269
Gel area/measuring area (in mm <sup>2</sup> )	269
Electrical data (ANSI/AAMI)	
AC impedance - typical	600 Ω
DC offset voltage - typical	0.6 mV
Defibrillation overload recovery - typical	14.3 mV
Rate of change of polarization potential	0.5 mV/s
Combined offset instability and internal noise	<90 μV
Bias current tolerance (over 8 hours)	<30 mV

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	Yes
MR Conditional	No
Shelf life	
Opened pouches	1 month
Unopened pouches*	18 months

\*from date of production

## Connectors



A = 4 mm connector



K = 1.5 mm connector

## Materials

Electrode	
Bio-compatible	Yes
Sensor	Silver/silver chloride (Ag/AgCl)
Sponge	-
Outer carrier	Carbon-filled polyvinyl chloride
Outer adhesive	Solid gel
Inner carrier (if any)	-
Inner adhesive (if any)	-
Upper part	Non-woven polyester cloth
Fitting	-
Connector (stud)	-
Lead wire core	Carbon
Lead wire insulation	Polyvinyl chloride (PVC)
Lead wire connector	Brass/polypropylene (PP)
Liner	Siliconized polyester film

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
Quantity/box	600/1200
Minimum sales	1200

Options	
Connectors	-
Pre-wired	Yes
Pre-wired connectors	A, K
Precaution	
Single use only	

## Available configurations\*

Quantity/pouch	3	12	Colour coding
	Quantity per inner/outer box		
BRS-50-A, K		600/1200	
BRS-50-K/EU	600/1200	600/1200	EU
BRS-50-K	600/1200		US, C3

- Product
- BRS-50-A Wire length
- Connector

\*some configurations may not be available worldwide

\*\*Coloured lead wires

EU: black, red, yellow

US: black, green, white

C3: red, yellow, green

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