

# Ambu® WhiteSensor 4540M

ECG Electrode - Single use



## Key Benefits

- Highly conductive wet gel
- Comfortable foam backing
- 4 mm fitting connector
- Radiolucent
- MR Conditional

## Ambu® WhiteSensor 4540M

The Ambu® WhiteSensor 4540M features a highly conductive wet gel system which guarantees a fast and accurate trace during 12-lead ECG procedures. Presented conveniently with 5 pieces to a card. Thanks to the strong

high-tack adhesive foam, time wasted due to electrode drop-off will be reduced. The 4 mm slot connector which is radiolucent makes it possible for the patient to undergo X-ray and scanner procedures.



Wet gel



Foam backing material



Radiolucent



MR Conditional

WhiteSensor

**Ambu**  
Ideas that work for life

## Specifications

| Dimensions  |                                   |
|---|-----------------------------------|
| Electrode size (length x width in mm)               | 32 x 45                           |
| Skin contact size (length x width in mm)            | 32 x 41                           |
| Adhesive area (in mm <sup>2</sup> )                 | 1085                              |
| Height excluding connector (in mm)                  | 1.6                               |
| Sensor  |                                   |
| Sensor material                                     | Silver, silver chloride (Ag/AgCl) |
| Gel system  | Chloride based, wet gel           |
| Gel area (in mm <sup>2</sup> )                      | 201                               |
| Sensor area (in mm <sup>2</sup> )                   | 77                                |
| Electrical data (ANSI/AAMI)                         |                                   |
| AC impedance - typical                              | 110 Ω                             |
| DC offset potential - typical                       | 5.3 mV                            |
| Defibrillation overload recovery - typical          | 4 mV                              |
| Rate of change for polarisation potential - typical | 0.2 mV/s                          |
| Combined offset instability and internal noise      | 0.0 μV                            |
| Bias current tolerance                              | 3.1 mV                            |

| Environment                                  |            |
|--|------------|
| PVC-free electrode                           | No         |
| Electrode not made with natural rubber latex |            |
| PVC-free packaging                           | Yes        |
| X-Ray & MRI                                  |            |
| Radiolucent                                  | Yes        |
| MR Conditional                               | Yes**      |
| Shelf life                                   |            |
| Opened pouch                                 | 1 month    |
| Sealed pouch                                 | 24 months* |

\*from date of production

| Accessories |            |
|-------------|------------|
| Skin Preps  | Ref: 2121M |

## Materials

| Electrode                 |                        |
|---------------------------|------------------------|
| Bio-compatible            | Yes                    |
| Sponge                    | Polyurethane foam (PU) |
| Backing material          | Polyethylene foam (PE) |
| Backing material adhesive | Acrylic                |
| Supporting label          | Printed PVC            |
| Connector                 | 4 mm graphite slot     |
| Upper substrate           | -                      |
| Release liner             | Siliconised polyester  |

| Packaging                         |   |
|-----------------------------------|---|
| Pouch (outer/middle/inner layers) | Polyester (PET)/aluminium/polyethylene (PE) |
| Inner carton                      | Printed corrugated board                    |
| Shipping carton                   | Printed corrugated board                    |
| Standard Packaging                |   |
| Quantity/liner                    | 5   |
| Quantity/pouch                    | 60  |
| Inner carton                      | 300   |
| Shipping carton                   | 2400  |
| Minimum sales                     | 2400  |
| Precaution                        |   |
| Single use only                   |   |

## Available configurations

| Quantity/pouch | 60                           |
|----------------|------------------------------|
|                | Quantity per inner/outer box |
| 4540M          | 300/2400                     |

\*\* Static magnetic field of 1.5 Tesla and 3 Tesla only. Maximum spatial gradient field of 10.000 Gauss/cm or 100 Tesla/m. Maximum whole body averaged specific absorption rate (SAR) of 2 W/kg for 15 minutes of scanning.