

Information for Clinical Choice

Stress/Exercise Adult ECG Electrodes

Support Document

Introduction

Information for Clinical Choice (ICC) has been developed to assist Clinicians in the decision-making process when assessing the suitability of a product by providing a clear illustration and description of the features of a range of similar products supplied through NHS Supply Chain.

The criteria provided, in the form of a Product Matrix and Support Document, is the result of a product review, conducted by DHLs Clinical Procurement and Quality Assurance Team with support from clinical stakeholders from across the NHS as part of our assurance process.

The aim, alongside delivering savings back into NHS frontline services, is to ensure that clinical choice remains at the forefront of any product switching decision.





Electrodes: Adult ECG Electrodes

The ECG electrode is a device which is applied to the skin and transfers the electrical activity produced by the heart to a monitoring or diagnostic devices which is capable of visualising the data. The location where electrodes are placed, the quantity used, shape, size and material properties can all vary, yet the functionality is the same (Society of Cardiological Science and Technology (SCST), 2014).

The electrodes are categorised into 3 sections:

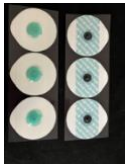


- Ambulatory
- Resting
- Stress/ Exercise

Within these 3 groups it is possible that the electrodes can be used in different clinical settings and are not restricted by the section they are listed in.

ECG Electrodes – Stress or Exercise (Part 1)				
Supplier	Ambu	Ambu	Ambu	Ambu
Brand	BlueSensor R	BlueSensor T	Blue Sensor	White Sensor
MPC	R-00-S/25	T-00-S/25	P-00-S/50	4535M/30
NPC	FDK85000	FDK85011	FDK1066	FDK1064
Picture				
Description	Blue Sensor R Electrode	Blue Sensor T Electrode	Blue Sensor P Electrode	WhiteSensor Electrode
Route	Blue Diamond	Blue Diamond	Stocked	Stocked
UOI	1000	1000	50	300
Pouch	25	25	50	30
Material	Foam	Foam	Foam	Foam
Gel Type	Wet Gel	Wet Gel	Wet Gel	Wet Gel
Backing type	Clear pattern	Clear Pattern	Patterned Backing	Clear Plastic Strip
Size (mm)	57 x 48	57 x 35	34	32 x 44
Connector type	Offset	Offset	Off Centre Stud	Centre Stud
Resting ECG	✗	✗	✗	✗
Stress or Exercise ECG	✓	✓	✓	✓
Ambulatory ECG (Holter Monitor)	✗	✗	✗	✗
MR Conditional	✗	✗	✗	✗
Radiolucent non-visible on x-rays	✗	✗	✗	✗
Radiopaque Visible on x-ray	✓	✓	✓	✓
Wear Time (hour)	<24 hours	<24 hours	<24 hours	<24 hours
Latex free	✓	✓	✓	✓
Resealable Packet	✗	✗	✗	✗
Shelf life once opened (day)	30	30	30	30
How many on backing paper	1	1	1	3
Country of Manufacture	Malaysia	Malaysia	Malaysia	India

ECG Electrodes – Stress or Exercise (Part 2)				
Supplier	Ambu	Fannin	Henry Schein	Nissha Medical



Brand	Blue Sensor	Lang Skintact Premier	Henry Schein	Vermed
MPC	4500M	FS-RG1/10	9006699	4010425C
NPC	FDK1436	FDK1074	FXI85005	FDK1434
Picture			Not Available	
Description	WhiteSensor Electrode	Adult ECG Electrode	ECG Electrodes L/Term Stress	ECG Electrode
Route	Stocked	Stocked	eDirect	Stocked
UOI	30	50	50	60
Pouch	30	50	50	50
Material	Foam	Foam	Cloth	Foam
Gel Type	Wet Gel	Solid Gel	Solid	Wet Gel
Backing type	Clear Plastic Sheet	Large Clear Plastic	Large Clear	Patterned Backing
Size (mm)	50	40 x 32	50	62 x 35
Connector type	Centre Stud	Stud Centre	Centre Stud	Off Centre Stud
Resting ECG	✗	✓ - monitoring	-	✗
Stress or Exercise ECG	✓	✓	✓	✓
Ambulatory ECG (holter monitor)	✗	✗	-	✓
MR Conditional	✓	✗	-	✗
Radiolucent non-visible on x-rays	✓	✗	-	✗
Radiopaque Visible on x-ray	✗	✓	-	✗
Wear Time (hour)	<24 hours	<72 hours	<72 hours	<48 hours
Latex free	✓	✓	✓	✓
Resealable Packet	✗	✗	✓	✗
Shelf life once opened (day)	30	7	-	30
How many on backing paper	3	10	2	5
Country of Manufacture	India	Austria	U.S.A	India

If you have any questions, would like further information, or have feedback to share, please contact:

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