

Information for Clinical Choice

Resting 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

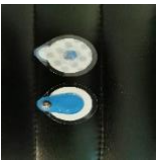
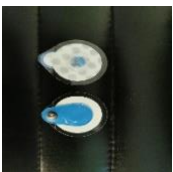
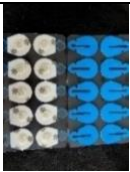



The ECG electrode is a device which is applied to the skin and transfers the electrical activity produced by the heart to a monitoring or diagnostic devices which is capable of visualising the data. The location where electrodes are placed, the quantity used, shape, size and material properties can all 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




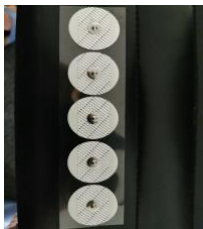
Within these 3 groups it is possible that the electrodes can be used in different clinical settings and are not restricted by the section they are listed in.

ECG Electrodes – Resting (Part 1)						
Supplier	Ambu	Ambu	Ambu	Ambu	Ambu	Ambu
Brand	White Sensor	Blue Sensor	Ambu White Sensor	White Sensor	White Sensor	White Sensor
MPC	0715M	BS-TAB-2300/100	0315M	4831Q	4841P	7841P
NPC	FDK85005	FDK85001	FDK1062	FDK85008	FDK1050	FDK85002
Picture						
Description	White Sensor Tab Electrode resting ECG	Blue Sensor Tab Electrode, resting ECG	White Sensor ECG Electrode 12-lead tab,	White Sensor Electrode, short term	White Sensor Electrode, short term	White Sensor Electrode, clear tape backing, short term
Route	Blue Diamond	Blue Diamond	Stocked	Blue Diamond	Blue Diamond	Blue Diamond
UOI	500	500	500	7200	7200	7200
Pouch	100	100	100	60	60	60
Material	Polymer	Polymer	Polymer	Foam	Foam	Clear Tape
Gel Type	Solid	Solid	Solid	Solid	Solid	Solid
Backing type	Large White Sheet	Large White Sheet	Large White Sheet	Clear Patterned	Large Clear Pattern	Large Clear Pattern
Size (mm)	34 x 26	34 x 23	21 x 35	37.5 x 37.5	42 x 42	42 x 42
Connector type	Crocodile Clip	Crocodile Clip	Crocodile Clip	Centre Stud	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)	<2hours	<2hours	<2hours	<24 hours	<24 hours	<24 hours
Latex free	✓	✓	✓	✓	✓	✓
Resealable Packet	✗	✗	✗	✗	✗	✗
Shelf life once opened (day)	30	30	30	30	30	30
How many on backing paper	10	10	10	3	3	3
Country of Manufacture	India	India	India	India	India	India

ECG Electrodes – Resting (Part 2)						
Supplier	Ambu	Ambu	Ambu	Ambu	Ambu	Ambu
Brand	BlueSensor M	BlueSensor Q	Blue Sensor	Ambu White Sensor	Ambu white sensor	Blue Sensor
MPC	M-00-S/50	Q-00-S/25	SU-00-C/100	WS-00-S/RT/50	WS-00-s/50	4540
NPC	FDK85003	FDK85012	FDK1435	FDK1070	FDK1068	FDK85004
Picture						
Description	Blue Sensor M Electrode, occlusive backing	Blue Sensor M Electrode, occlusive backing	Blue Sensor SupaTab Electrodes, Occlusive Backing	White Sensor WS Electrode	White Sensor WS Electrode	White Sensor Electrode
Route	Blue Diamond	Blue Diamond	Stocked	Stocked	Stocked	Blue Diamond
UOI	2000	1000	100	50	50	2400
Pouch	50	25	100	50	50	60
Material	Polymer	Polymer	Polymer	Foam	Foam	Foam
Gel Type	Wet Gel	Wet Gel	Wet Gel	Solid Gel	Fast Gel	Wet Gel
Backing type	Clear Pattern	Clear Pattern	Clear Plastic Sheet	Patterned backing	Patterned backing	Clear Pattern
Size (mm)	40 x 34	53 x 40	50	36	36	32 x 44
Connector type	Offset Stud	Offset Stud	Crocodile Clip Electrode	Centre Stud	Centre Stud	Slot
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	<24 hours	<24 hours
Latex free	✓	✓	✓	✓	✓	✓
Resealable Packet	✗	✗	✗	✗	✗	✗
Shelf life once opened (day)	30	30	30	30	30	30
How many on backing paper	1	1	10	1	1	5
Country of Manufacture	Malaysia	Malaysia	Malaysia	India	India	India

ECG Electrodes – Resting (Part 3)

Supplier	Fannin	Fannin	Fannin	Fannin	Fannin	Fannin
Brand	Lang Skintact Easitabs	Skintact	Lang Skintact Premier	Lang Skintact Premier	Lang Skintact Premier	XL Bleu
MPC	RT-38	FS-WB00	FS-RG1/10	FTB/3	W-601	XL-TVO02
NPC	FDK245	FDK244	FDK1074	FDK236	FDK1078	FDK1438
Picture						
Description	Adult Tab ECG Electrode	Adult tab ECG Electrode	Adult ECG Electrode	Adult ECG Electrode	Adult ECG Electrode	Adult ECG Electrode
Route	Stocked	Stocked	Stocked	Stocked	Stocked	Stocked
UOI	500	500	50	3	30	30
Pouch	100	100	50	3	30	30
Material	Carbon	Foam	Foam	Foam	Cloth	Micropore
Gel Type	Solid	Wet	Solid Gel	Wet Gel	Solid	Wet Gel
Backing type	White Sheet	Large Plastic Sheet	Large Clear Plastic	Large Clear Plastic	Patterned Backing	Patterned backing
Size (mm)	21 X 34	28 x 28	40 x 32	50	50	68
Connector type	Crocodile Clip	Crocodile Clip	Stud Centre	Stud Centre	Stud Centre	Off Centre Stud
Resting ECG	✓ - Diagnostic resting	✓ - Diagnostic resting	✓ - monitoring	✓ - monitoring	✓ - monitoring	✓ - 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	<72 hours	<72 hours	<72 hours
Latex free	✓	✓	✓	✓	✓	✓
Resealable Packet	✗	✗	✗	✗	✗	✗
Shelf life once opened (day)	7	7	7	7	7	7
How many on backing paper	10	10	10	3	1	1
Country of Manufacture	Austria	Austria	Austria	Austria	Austria	Austria

ECG Electrodes – Resting (Part 4)					
Supplier	Fannin	Fannin	Fannin	Henry Schein	Henry Schein
Brand	Skintact	Lang Skintact Premier	Lang Skintact Premier	Henry Schein	Henry Schein
MPC	T-VO01	T-60/1200	FS-RE/6	9006696	9006698
NPC	FDK1437	FDK1076	FDK1077	FXI85002	FXI85000
Picture				Not Available	
Description	Adult ECG Electrode	Adult ECG Electrode	Adult ECG Electrode	ECG Electrodes Accessories	ECG Electrodes Accessories
Route	Stocked	Stocked	Stocked	eDirect	eDirect
UOI	30	1200	30	50	50
Pouch	30	30	30	50	50
Material	Micropore	Micropore	Foam	Foam	Foam
Gel Type	Wet Gel	Wet Gel	Wet Gel	Solid	Solid
Backing type	Patterned backing	Patterned backing	Clear Plastic Sheet	Large Clear	Large Clear
Size (mm)	60	60	32 x 44	55	38
Connector type	Off Centre Stud	Centre Stud	Centre Stud	Centre Stud	Centre Stud
Resting ECG	✓ - monitoring	✓ - monitoring	✓ - 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)	<72 hours	<72 hours	<72 hours	<72 hours	<72 hours
Latex free	✓	✓	✓	✓	✓
Resealable Packet	✗	✗	✗	✓	✓
Shelf life once opened (day)	7	7	7	-	-
How many on backing paper	1	1	6	2	5
Country of Manufacture	Austria	Austria	Austria	U.S.A	U.S.A

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

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