

Information for Clinical Choice

Electrosurgical – Paediatric Patient Plate Return Electrodes with Leadwire

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 / data review, conducted by the Clinical Engagement and Implementation Team, with support from clinical stakeholders from across the NHS. 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.

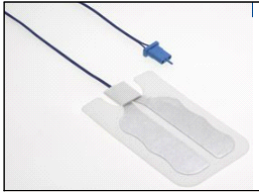
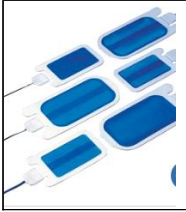

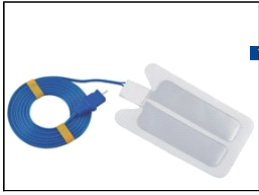
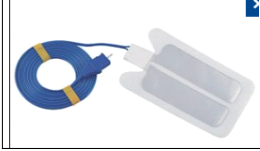
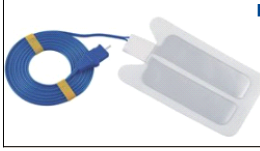
Paediatric Patient Plate Return Electrodes with Leadwire

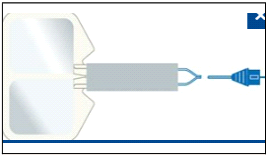




Patient return electrodes (often called diathermy plates) are medical devices used during electrosurgery to safely return electrical current from the patient back to the generator. This helps complete the circuit and reduces the risk of unintended burns.



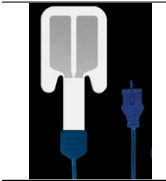
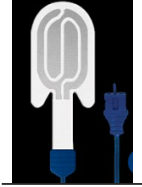
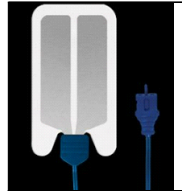
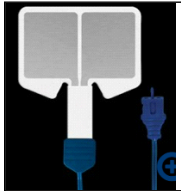
In the Global Medical Device Nomenclature (GMDN), these devices are typically described as “electrosurgical dispersive electrodes” - highlighting their key function: to disperse electrical energy safely over a wide area of the patient’s skin.

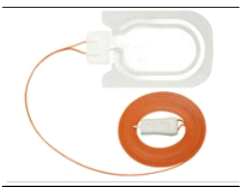





Choosing the right return electrode is important for patient safety. Paediatric return electrodes are used because children have smaller body surface areas, so a correctly sized plate is needed to safely disperse electrical current and reduce the risk of burns.

Paediatric Patient Plate Return Electrodes with Leadwire Part 1

Supplier	Conmed Linvatec Stock & Ed	Conmed Linvatec Stock & Ed	Critical Healthcare Ltd	Empire Medical Uk Ltd	Empire Medical Uk Ltd	Empire Medical Uk Ltd
Brand	Conmed	Conmed	Medico Electrodes	Elektronic	Elektronic	Elektronic
MPC	425-2508	51-7710	bluESU01TX	SY-SW2	SY-BW2	SYN08
NPC	FBU87036	FDJ2333	FCN85488	FDJ85023	FDJ85020	FCN89130
Base Description	Paediatric Patient Plate Return Electrodes Spilt - Single Use with Leadwire	Paediatric Patient Plate Return Electrodes Spilt - Single Use with Leadwire	Paediatric Patient Plate Return Electrodes Spilt - Single Use with Leadwire	Paediatric Patient Plate Return Electrodes Spilt - Single Use with Leadwire	Paediatric Patient Plate Return Electrodes Spilt - Single Use with Leadwire	Paediatric Patient Plate Return Electrodes Spilt - Single Use with Leadwire
Picture						
Route	eDirect	eDirect	eDirect	eDirect	eDirect	eDirect
UOI	box of 100	box of 80	box of 50	box of 40	box of 40	box of 40
Conductive area (cm2)	73.3 cm2	63.13 cm2	98 cm2	78 cm2	40 cm2	40 cm2
Length (cm)	9.9 cm	8.89 cm	16 cm	11 cm	6.9 cm	6.9 cm
Width (cm)	16 cm	15.01 cm	12 cm	7.1 cm	5.8 cm	5.8 cm
Weight Limit	5 - 15 kg	5 - 15 kg	< 5 kg	5 - 15 kg	< 5 kg	2.72 - 13.6kg
Length of leadwire (if applicable)	3m	2.85m	3m 5m	3m	3m	3m
Connector Type (REM, Non REM, 6.3mm Jack standard, 3.6mm jack ERBE)	CQM	CQM	REM	REM Valley Lab connector	REM Valley Lab connector	REM Valley Lab connector

Paediatric Patient Plate Return Electrodes with Leadwire Part 2						
Supplier	Erbe Medical Uk Ltd	Erbe Medical Uk Ltd	Fannin Uk Ltd	Fannin Uk Ltd	Ideal Medical Solutions Ltd	Johnson & Johnson
Brand	Erbe	Erbe	Lang Skintact Cool Contact	Skintact	THOR	Megadyne
MPC	20193-075	20193-071	RS26A30	RSW23A30	08P2C	0865C
NPC	FBU87202	FBU87203	FDJ106	FCN85363	FBU86878	FDJ3145
Base Description	Paediatric Patient Plate Return Electrodes Spilt - Single Use with Leadwire	Paediatric Patient Plate Return Electrodes Spilt - Single Use with Leadwire	Paediatric Patient Plate Return Electrodes Spilt - Single Use with Leadwire	Paediatric Patient Plate Return Electrodes Spilt - Single Use with Leadwire	Paediatric Patient Plate Return Electrodes Spilt - Single Use with Leadwire	Paediatric Patient Plate Return Electrodes Spilt - Single Use with Leadwire
Picture				-		
Route	eDirect	eDirect	eDirect	eDirect	eDirect	eDirect
UOI	box of 50	box of 50	box of 50	box of 10	box of 50	box of 50
Conductive area (cm2)	72 cm2	72 cm2	66 cm2	43 cm2	78 cm2	-
Length (cm)	29 cm	19.5 cm	13 cm	17 cm	15.3 cm	-
Width (cm)	39 cm	29 cm	11 cm	8 cm	9 cm	-
Weight Limit	5 - 15 kg	5 - 15 kg	5 - 15 kg	0.45 - 4.99 kg	2.7 – 15 kg	-
Length of leadwire (if applicable)	3m	3m	3m	3m	3m	-
Connector Type (REM, Non REM, 6.3mm Jack standard, 3.6mm jack ERBE)	International	International	REM	REM	REM	-

Paediatric Patient Plate Return Electrodes with Leadwire Part 3						
Supplier	Keymed Ltd	Keymed Ltd	Nissha Medical Technologies Ltd	Nissha Medical Technologies Ltd	Nissha Medical Technologies Ltd	Nissha Medical Technologies Ltd
Brand	Olympus	Olympus	Swaroplate	Swaroplate	Swaroplate	Swaroplate
MPC	WA99513C	WA99512C	6000834N	6000847N	6000833N	6000836N
NPC	FDJ2359	FDJ2368	FBU86965	FBU86970	FBU86953	FBU86954
Base Description	Paediatric Patient Plate Return Electrodes Spilt - Single Use with Leadwire	Paediatric Patient Plate Return Electrodes Spilt - Single Use with Leadwire	Paediatric Patient Plate Return Electrodes Spilt - Single Use with Leadwire	Paediatric Patient Plate Return Electrodes Spilt - Single Use with Leadwire	Paediatric Patient Plate Return Electrodes Spilt - Single Use with Leadwire	Paediatric Patient Plate Return Electrodes Spilt - Single Use with Leadwire
Picture						
Route	eDirect	eDirect	eDirect	eDirect	eDirect	eDirect
UOI	box of 15	box of 15	box of 96	box of 96	box of 96	box of 96
Conductive area (cm2)	71 cm2	40 cm2	32 cm2	32 cm2	71 cm2	71 cm2
Length (cm)	12.2 cm	12.2 cm	16.5 cm	17.1 cm	15.4 cm	16.4 cm
Width (cm)	9.8 cm	7.6 cm	7.4 cm	7.6 cm	8.8 cm	12.4 cm
Weight Limit	5 - 15 kg	< 5 kg	< 5 kg	< 5 kg	5 - 15 kg	5 - 15 kg
Length of leadwire (if applicable)	3m	3m	3m	3m	3m	3m
Connector Type (REM, Non REM, 6.3mm Jack standard, 3.6mm jack ERBE)	Non-REM	Non-REM	Valleylab REM	Valleylab REM	Valleylab REM	Valleylab REM

Paediatric Patient Plate Return Electrodes with Leadwire Part 4						
Supplier	Sra Developments	Starkstrom Limited	Surgical Holdings	Unisurge International Ltd	Unisurge International Ltd	Unisurge International Ltd
Brand	BOWA	KLS Martin	Telic	OBS	OBS	OBS
MPC	818-042	80-344-12-04	TPO0E	F901362	F901358	F901359
NPC	FDJ2463	FBU88069	FBU88090	FBU88079	FBU88084	FBU88076
Base Description	Paediatric Patient Plate Return Electrodes Spilt - Single Use with Leadwire	Paediatric Patient Plate Return Electrodes Spilt - Single Use with Leadwire	Paediatric Patient Plate Return Electrodes Spilt - Single Use with Leadwire	Paediatric Patient Plate Return Electrodes Spilt - Single Use with Leadwire	Paediatric Patient Plate Return Electrodes Spilt - Single Use with Leadwire	Paediatric Patient Plate Return Electrodes Spilt - Single Use with Leadwire
Picture						
Route	eDirect	eDirect	eDirect	eDirect	eDirect	eDirect
UOI	box of 15	box of 20	box of 50	Box of 400	box of 100	box of 100
Conductive area (cm2)	40 cm2	53.8 cm2	73 cm2	43 cm2	43 cm2	43 cm2
Length (cm)	12.4 cm	17.7 cm	-	15.8 cm	15.8 cm	15.8 cm
Width (cm)	7.6 cm	8.4 cm	-	8.2 cm	8.2 cm	8.2 cm
Weight Limit	< 5 kg	No limit as long as the patient is not lying on the patient plate	5 – 10 kg	0.4 kg	0.4 kg	0.4 kg
Length of leadwire (if applicable)	3m	3m	3m	3m	3m	3m
Connector Type (REM, Non REM, 6.3mm Jack standard, 3.6mm jack ERBE)	REM	REM	Valleylab REM	REM Non REM 6.3m Jack Standard	REM Non REM 6.3m Jack Standard	REM Non REM 6.3m Jack Standard

Paediatric Patient Plate Return Electrodes with Leadwire Part 5			
Supplier	Unisurge International Ltd	Unisurge International Ltd	Unisurge International Ltd
Brand	OBS	OBS	OBS
MPC	F901363	F901360	F901364
NPC	FBU88080	FBU88077	FBU88081
Base Description	Paediatric Patient Plate Return Electrodes with Leadwire	Paediatric Patient Plate Return Electrodes with Leadwire	Paediatric Patient Plate Return Electrodes with Leadwire
Picture			
Route	eDirect	eDirect	eDirect
UOI	box of 400	box of 100	box of 400
Conductive area (cm2)	43 cm2	87 cm2	87 cm2
Length (cm)	15.8 cm	13.2 cm	13.2 cm
Width (cm)	8.2 cm	9.9 cm	9.9 cm
Weight Limit	0.4 kg	0.45 kg	0.45 kg
Length of leadwire (if applicable)	3m	3m	3m
Connector Type (REM, Non REM, 6.3mm Jack standard, 3.6mm jack ERBE)	REM Non REM 6.3m Jack Standard	REM Non REM 6.3m Jack Standard	REM Non REM 6.3m Jack Standard

References:

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

Dan Lewin – Head of Clinical, Medical and Surgical Consumables

Dan.Lewin@supplychain.nhs.uk

Ellie Addison – Clinical Specialist, Medical and Surgical Consumables

Ellie.Addison@supplychain.nhs.uk

Alison White – Clinical Specialist, Medical and Surgical Consumables

Alison.White@supplychain.nhs.uk

Sophie Brocklehurst – Clinical Specialist, Medical and Surgical Consumables

Sophie.Brocklehurst@supplychain.nhs.uk