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## DECLARATION OF BLOOD PRESSURE MEASURING DEVICE EQUIVALENCE 2006

		A SIGNED COFF WILE BE FOSTED ON THE WWW.dabi	oddoddional.org w	LDOITE			
SECTION A - Please complete all items online.							
I		Istvan Szollosi Director of Company Director Company name		itech Ltd.			
hereby state	that ther	e are no differences that will affect blood pressure	measuring accu	uracy between the			
,				-,			
Meditech card(X)plore ambulatory ECG, BP and actigraphy monitor  Blood pressure measuring device for which validation is claimed							
blood pressure measuring device and the							
		Meditech ABPM-04 ambulatory blood pressure monitor  Existing validated blood pressure measuring device					
blood press as follows	ure measi	uring device, which has previously passed the BH	S protocol, the	results of which we	ere published		
		Barna I, Keszei A, Dunai A					
		Authors(s)					
		Evaluation of Meditech ABPM-04 ambulatory blo	ood pressure me	asuring device			
		according to the British Hypertension Society pro	tocol				
		Blood Press Monit.	1998;3:363-368	*			
imi.	00		Year Volume Pages				
		between the devices involve the following compo yant, both Yes and No should be left blank. Please provide details on any dif					
Part I		Algorithm for Oscillometric Measurements	Yes	□ No ⊠	1		
raiti		Algorithm for Auscultatory Measurements	Yes				
		Artefact/Error Detection	Yes				
		Microphone(s)	Yes				
		Pressure Transducer	Yes				
		Cuff or Bladder	Yes				
		Inflation Mechanism	Yes	_			
D4 II		Deflation Mechanism	Yes				
Part II		Model Name or Number	Yes				
		Casing	Yes				
		Display	Yes	- 3 03 0			
		Carrying/Mounting Facilities	Yes		-		
		Software other than Algorithm	Yes				
		Memory Capacity/Number of stored measurement					
		Printing Facilities	Yes				
		Communication Facilities	Yes				
		Power Supply	Yes				
		Other Facilities	Yes [		ì		
Brief explanations of differences and further relevant details: same ABP unit combined with holter ECG							
SECTION B - Complete all items, bar signatures and seal, online and print. Sign and seal it then send the original along with manuals							
SECTION		ete all items, bar signatures and seal, online and print. Sign and the devices to our address below.	a seal it then send th	ie original along with m	anuais		
A sie							
Signature of Director Company Stamp/Seal							
Name		Istvan Szollosi	M	editech			
Date		23 Feb 2010			2		
Signature of Witness		Mely Lando	1191 Buda	Meditech Kft. – Orvosi Elektronika 1191 Budapest, Üllői út 200. Adószám: 10397880-2-43			
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## Comparison of the Meditech card(X)plore with the Meditech ABPM-04

Devices	Meditech card(X)plore		Meditech ABPM-04		
Pictures			aut to		
Validation			BHS, AAMI		
Device 1 Criteria	Measurement Method Automatic ABPM measurements at ECG triggered events Measurements other than Blood Pressure Holter ECG Actigraphy monitor Display/Symbols/Indicators Communication Bluetooth connection PE (Optional) Case Ports Bluetooth receiver (Optional)	13, 14 10, 3, 14, 18 13, 14, 18 11, 16			
	Memory card slot + Memory Card ECG socket and cable	16, 18 16, 18			
Same Criteria	Measurement Accuracy BP accuracy ± 3 mmHg or ± 2% Method Oscillometric measurement method BP 30 mmHg - 260 mmHg Pulse 40 bpm -200 bpm Automatic ABPM measurements at programmed times Manually initiated measurements Inflation Inflation 0 mmHg - 300 mmHg Automatic Inflation	1, 5 1, 5 1, 5, 7, 8 1, 5 13, 14 13, 14 1, 5, 7	Measurement Accuracy BP accuracy ± 3 mmHg or ± 2% Method Oscillometric measurement method BP 30 mmHg - 260 mmHg Pulse 40 bpm -200 bpm Automatic ABPM measurements at programmed times Manually initiated measurements Inflation Inflation 0 mmHg - 300 mmHg Automatic Inflation	1, 5 1, 5 1, 5, 7, 8 1, 5 13, 14 13, 14	

Devices Same Criteria	Meditech card(X)plore	Meditech ABPM-04  Measurement Deflation		
	Measurement			
	Deflation			
	Automatic Deflation	8	Automatic Deflation	8
	Automatic safety release valve	8	Automatic safety release valve	8
	Cuffs		Cuffs	
	Medium 150 mm × 560 mm (Arm circ. 24 to 32 cm)	6	Medium 150 mm × 560 mm (Arm circ. 24 to 32 cm)	6
	Small 110 mm × 320 mm (Arm circ. < 24 cm) (Optional)	6	Small 110 mm × 320 mm (Arm circ. < 24 cm) (Optional)	6
	Large 170 mm × 770 mm (Arm circ. 32-42 cm) (Optional)	6	Large 170 mm × 770 mm (Arm circ. 32-42 cm) (Optional)	6
	Sensors		Sensors	
	Pressure sensor: piezo-resistive	5	Pressure sensor: piezo-resistive	5
	Buttons/Switches		Buttons/Switches	
	Power		Power	
	Start/Stop (plain button)	10	Start/Stop (plain button)	10
	Event Marking		Event Marking	
	Event Marker (indented circle mark - also includes Stop)	10	Event Marker (indented circle mark - also includes Stop)	10
	Display/Symbols/Indicators		Display/Symbols/Indicators	
	Measurement Procedure		Measurement Procedure	
	Inflation symbol <sup>n</sup>	11	Inflation symbol <sup>n</sup>	11
	During Measurement: BP Level	11	During Measurement: BP Level	11
	Post Measurement		Post Measurement	
	SBP, DBP and Pulse	11	SBP, DBP and Pulse	11
	Measurement error	11	Measurement error	11
	Date and Time		Date and Time	
	Time	11	Time	11
	Power		Power	
	Voltage Check	11, 17	Voltage Check	11, 17
	Low battery (3 dots)	11, 17	Low battery (3 dots)	11, 17
	Communication		Communication	
	PC connection PE	11, 16	PC connection PE	11, 16
	Case		Case	
	Display		Display	
	Single screen display	10	Single screen display	10
	Ports		Ports	
	Optical data port (USB or RS232 cable and PC software)	16, 18	Optical data port (USB or RS232 cable and PC software)	16, 18
	Power	4=	Power	4-
	Rechargeable batteries and charger  Features	17	Rechargeable batteries and charger	17
		10	Features  Pouch holt and choulder strans	10
	Pouch, belt and shoulder straps	10	Pouch, belt and shoulder straps	10

Recommendation

Date

Devices	Meditech card(X)plore	Meditech ABPM-04  Measurement Measurement Records		
Comparable Criteria	Measurement Measurement Records			
	Memory Card: > 400 measurements, 12-51 hour ECG	Memory: > 400 measurements		
	12-51 hour actigraphy) 14			
	Case	Case		
	4 "AA" batteries (200-300 measurements, ECG & actigraphy) 17	Power  A "A A" hattories (200, 200 measurements)		
	4 AA batteries (200-500 measurements, ECG & actigraphy) 17	4 "AA" batteries (200-300 measurements) 17		
Device 2 Criteria		Measurement Method		
		Suspension of automatic ABPM measurements 13, 14		
Web link	http://www.meditech.hu/main.php?lang=en&page=features&device=cardxplore	http://www.meditech.hu/main.php?lang=en&page=features&device=abpm04		
Comments	Meditech provide a number of ABPM, ECG and combined devices. The combined devices are based on the ABPM-04 ABPM monitor for blood pressure monitoring. All use the same manual in which it states that the algorithms for blood pressure are the same.			
	The card(X)plore has holter ECG and actigraphy features.			
	The main difference is that measurements in the ABPM-04 are stored in internal memory but, as this is insufficient to store the ECG and actigraphy measurements, they are stored in a memory card in the card(X)plore. A card reader is required to upload the measurements. The optical cable is used in the card(X)plore to check the placement of the ECG leads.			
	In the ABPM-04, there is a facility for turning off and on the automatic recording that is not available in the card(X)plore. The card(X)plore can be programmed to take extra BP measurements should particular ECG events occur.			

Equivalence is reommended

12/03/2010