dable Educational Trust-----

DECLARATION OF BLOOD PRESSURE MEASURING DEVICE EQUIVALENCE 2006

A SIGNED COPY WILL BE POSTED ON THE WWW, dableducational org WEBSITE

		István Szöllősi Directo	76 75 76 76	Meditech Ltd.	
	N/20/0005	Name of a Company Director Company n			nosene y per
ereby state	that th	nere are no differences that will affect blood press	ure measur	ing accuracy betw	een the
		Meditech ABPM-05 Bood pressure measuring device for which validation is claimed			
. 7					
blood press	ure me	asuring device and the			
		Meditech ABPM-04 Existing validated blood pressure measuring device			
sland proce	tura ma	asuring device, which has previously passed the	RHS proto	cal the results of	which were public
noou press is follows	ure me	asuring device, winer has previously passed the	DIIO PIOLO	coi, the results of	milien were public
		Barna I., Keszei A., Dunai A.			
		Authors(s) Evaluation of Meditech ABPM-04 ambulatory	blood pres	sure measuring de	evice
		Evaluation of viculeen Apriyi-94 amounatory	TOTAL PURS	SME 1000000000	V.X.48/30
		according to the British Hypertension Society	protocol.		
		Blood Press Monit.	1998:3:	363-368	
		Publication	Year Volum		1
The only di	fferenc	es between the devices involve the following con	aponents:		
When a compon	ent is not r	elevant, both Yes and No should be left blank. Please provide détails on ar	y differences be		10000
Part I	1	Algorithm for Oscillometric Measurements		Yes 🗌	No ⊠
	2	Algorithm for Auscultatory Measurements		Yes 🔲	No⊠
	3	Artefact/Error Detection		Yes 🗌	No ⊠
	4	Microphone(s)		Yes 🗌	No ⊠
	5	Pressure Transducer		Yes 🗔	No ⊠
	6	Cuff or Bladder		Yes 🗌	No 🖾
	7	Inflation Mechanism		Yes 🗌	No⊠
	- 8	Deflation Mechanism		Yes 🗌	No 🗵
Part II	9	Model Name or Number		Yes⊠	No 🗆
	10	Casing		Yes⊠	No 🗆
	11	Display		Yes⊠	No 🗆
	12	Carrying/Mounting Facilities		Yes⊠	No 🗆
	13	Software other than Algorithm		Yes 🗆	No 🗵
	14	Memory Capacity/Number of stored measuren	nents	Yes 🗆	No⊠
	15	Printing Facilities		Yes 🗆	No 🛛
	16	Communication Facilities		Yes 🗆	No 🗵
	17	Power Supply		Yes⊠	No 🗆
219 - 28 T - 12 T	18	Other Facilities	- 1966481 SW W.G	Yes ⊠	No□
		of differences and further relevant details: Smalle	r casing; ia	rger display; 2 ins	tead of 4 AA
oatteries; ai	n aditio	nal day/night button.			
SECTION	B -Co	implete all items, bar signatures and seal, online and print. Sign	n and seal it th	nen send the original a	ong with manuals
		both devices to our address below.		ä	
Signature o	f Direc	tor femillari of Con	npany Stan	ap/Seal	
	Direc		ripant) can		
Name		István Szöllősi		Meditech	
Date		20 May 2008		000	
Signature o	f Witne	ess My Like	Marita	ch Kit. – Orvosi Elekt	ronika
		The state of the s	119	1 Budapest, Üllől út i	200.
Name		Laszlo Meleg	Ad	ószám: 10397880-2-	43
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2006 dab!	Educat	tional Trust Limited (dahl	"Educations	Trust Limited is a r	ot-for-profit organis

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Comparison of the Meditech ABPM-05 with the Meditech ABPM-04

Devices	ABPM-05	ABPM-04
Pictures	Wantingsh ### TISS ANALY MARK CAN GUILLETT GUILLETT	APPLES
Validation		BHS
Device 1 Criteria	Day/Night button Bed-time and Rising recording (using Day/Night button) Heart symbol shows pulse during deflation Moon symbol shows night mode Patient can switch to next period frequency 10 11 12 13	
Same Criteria	BP 30-260 mmHg, Pulse 40-200 bpm 1, 5, 7, 8 Accuracy \pm 3 mmHg or \pm 2% (2 years) 1, 5 Oscillometric, Piezo-resistive sensor 5 Cuff (Med Bladder 125×225mm, Sleeve 16×52cm, Arm 24-32cm) 6 Automatic Inflation & Deflation, Safety release 7, 8 Start and Event Buttons 10	BP 30-260 mmHg, Pulse 40-200 bpm 1, 5, 7, 8 Accuracy \pm 3 mmHg or \pm 2% (2 years) 1, 5 Oscillometric, Piezo-resistive sensor 5 Cuff (Med Bladder 125×225mm, Sleeve 16×52cm, Arm 24-32cm) 6 Automatic Inflation & Deflation, Safety release 7, 8 Start and Event Buttons 10
Comparable Criteria	Dimensions 70 × 99 × 30 mm, 240 g inc batteries Larger LCD screen display with symbols Crossed battery symbol shows low battery Arrow symbol and PC shows communication with PC 11 Memory: > 600 measurements 14 2 AA rechargeable or alkaline batteries (250 measurements) 17	Dimensions 82 × 124 × 33.5 mm, 330 g inc batteries Small LCD screen display Three dots shows low battery PC shows communication with PC Memory: > 400 measurements 4 AA rechargeable or alkaline batteries (250-300 measurements) 17
Device 2 Criteria		
Web link	http://www.meditech.hu/main.php?lang=en&page=features&device=abpm05	http://www.meditech.hu/main.php?lang=en&page=features&device=abpm04

Comments The main differences in the ABPM-05 are It is smaller and lighter than the ABPM-04. The display is larger and has symbols to supplement statuses shown on the numeric display. b) Special bed-time and rising events are easily recorded. If a patient goes to bed or rises prior to the programmed night and day frequency settings, the option to bring forward those settings d) (within 2 hours) is provided. There appears to be no change to any of the aspects dealing with blood pressure detection. The range of cuffs are identical and the pressure sensor appears to be unchanged. Apart from a feature to enable/disable the feature allowing the patient to bring forward the frequency of the next period, the software for both systems is the same. There is nothing to suggest a change in the algorithm. Query from Advisory Board member: Does the reduced power consumption suggest a different pumping mechanism and a consequent difference in inflation or deflation cuff rate that may affect the measurements? Reply: As a matter of fact, it is only the number of batteries that has been reduced (from 4 to 2 AA size batteries). Some simple electronic components - NOT in connection with the measuring process itself - ensure that the motor pump gets the same voltage in ABPM-05 as it did in ABPM-04, so there is no difference in the actual pumping mechanism. Therefore, there is no (consequent) difference in inflation rates. The operating as well as the safety release valves work in the same manner, getting an up-converted voltage from two batteries in ABPM-05, where they used to get a down-converted voltage in ABPM-04. So there is no difference in the cuff deflation mechanism, either. Therefore, measurements are not affected by any means due to the reduced number of batteries. On a side note, it is true that 2 batteries of the same size normally offer a lower total power capacity than 4 batteries. However, AA batteries have improved so much since the release of ABPM-04 that even 2 batteries in ABPM-05 will provide enough energy for all practical ABPM sessions (2 pieces of properly charged AA NiMH rechargeables will provide energy for a minimum of 250 measurements). In summary, the operation of the pump and valves (inflation and deflation mechanisms) are not affected by the change in the number of batteries due to a correct voltage conversion. Equivalence is recommended. Recommendation 29/05/2008 Date