Declaration of Equivalence Form

DECLARATION OF BLOOD PRESSURE MEASURING DEVICE EQUIVALENCE 2013

A SIGNED COPY WILL BE POSTED ON THE www.dableducational.org WEBSITE

			0005		2 99		12/16
SECTION	А	-	Please	comp	Ptp	all	items

SECTION A	 Please c 	omplete all items.					
I Gerhard Name of a 0		irector		a Director of Microlife Company na			
hereby stat	e that th	nere are no differences tha	t will aff	fect blood pressure meas	uring accurac	y between th	e
Maker ^a	ONBO		Address	497 Dalang South Road	, Longhua, Sh	enzhen, Guan	gdong, China
Manufacturer ^b	Micro	ife AG	Address	Espenstrasse 139, 9443	Widnau		
Brand ^c	Micro		Model ^d	BP A150 AFIB			
		device for which validation is claimed.			I.		
blood press	ure me	asuring device and the valid	dated bl	ood pressure measuring	device		
Maker	ONBO		Address	497 Dalang South Road	, Longhua, Sh	enzhen, Guar	gdong, China
Manufacturer ^b	Micro	life AG	Address	Espenstrasse 139, 9443	Widnau		
Brand ^c	Micro	life	Model	BP A100			
Existing validate		essure measuring device.		51 71255			
which has p	revious	ly passed the ESH protoco	ol, the re	esults of which were publ	ished as follo	ws:	
Bonso E, D	origatti	F, Palatini P. Accuracy of t	he BP A	100 blood pressure mea	suring device	coupled with	n a single cuff
with standa	ard-size	bladder over a wide range	of arm o	circumferences. Blood Pro	ess Monit 200	9;14:216-9	
Full reference				704 1031 Mr. 201			
The only di		es between the devices invo	olve the	following components:			
Part I	each item	Algorithm for Oscillomet	ric Mea	surements	Yes □	No ⊠	N/A ^e
raiti	2	Algorithm for Auscultato			Yes 🗆	No 🗆	N/A ^f ⊠
	3	Artefact/Error Detection			Yes 🗌	No ⊠	
	4	Microphone(s)			Yes 🗌	No 🗆	N/A ^f ⊠
	5	Pressure Transducer			Yes 🗌	No 🛛	
	6	Cuffs or Bladders			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 Facil	ities		Yes 🗌	No ⊠	
	13	Software other than Algo	orithm		Yes 🗌	No 🛛	
	14	Memory Capacity/Numb		ored measurements	Yes 🛛	No 🗌	
	15	Printing Facilities			Yes 🗌	No 🛛	N/A ^g □
	16	Communication Facilitie	s		Yes 🗌	No 🛛	N/A ^g
	17	Power Supply			Yes 🗌	No 🛛	
	and the second second						

An explanation of each item ticked "Yes" must be included in Section B or on a separate sheet.

Notes:	а	Provide the name	and address of the	actual	maker	ofthe	device
--------	---	------------------	--------------------	--------	-------	-------	--------

- Provide the name and address of the legal manufacturer of the device, even if it is the same as that of the maker.
- Provide the name of the brand under which it is sold, even if it is the same as that of the manufacturer or maker.

 Provide the model name. If alternative or internal model names are used, include all. Each device must be uniquely identifiable.
- Only tick N/A (Not Applicable) if neither device measures blood pressure using the oscillometric method.

 Only tick N/A (Not Applicable) if neither device measures blood pressure using the auscultatory method.
- g Only tick N/A (Not Applicable) if neither device provides printing, communication or other facilities, as appropriate.

Declaration of Equivalence Form

SECTION B

An explanation for each item, 1 to 18, ticked "Yes" in Section A must be provided here or in an attached document. All differences between the devices must be described.

As attached file: BP A150 AFIB Comparison items No. 9, 10, 11, 14, 18 are explained in the attached table.

SECTION C	Please check that the following are included with the applica	ion
-----------	---	-----

A manual for the validated device

A manual for the device for which equivalence is being sought

An image of the validated device

An image of the device for which equivalence is being sought

An image of the screen layout of validated device*

An image of the screen layout of the device for which equivalence is being sought*

* Screen layouts shown complete, and without obscuring labels or lines, in manuals need not be included separately.

SECTION D

Complete all items, bar signatures and seal, online and print. Sign and seal it then send the original to our address below. Please email a signed eppy of this form, ogether with the manuals and images for both devices, to info@dableducational.org.

Signature of Director

Company Stamp/Seal

Name

Gerhard Erick

Date

2016-04-08

Signature of Witness

Name Jerry Lin

Address

9F, NO. 431, RuiGuang Road, Nei-Hu, Taipei, 11492, Taiwan. R.O.C.

Declaration of Equivalence Form

DECLARATION OF BLOOD PRESSURE MEASURING DEVICE EQUIVALENCE 2013

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SECTION	Δ	- Please complete all items

SE	CHON A	Please CO	implete all items.					
1	Gerhard Name of a C		any Director		a Director of Microlife			
he	reby state	that th	ere are no differences tha	t will aff	ect blood pressure meas	suring accuracy	between the	е
Ma	ker ^a	ONBO		Address	497 Dalang South Road	, Longhua, She	nzhen, Guan	gdong, China
Ma	nufacturer ^b	Microli	fe AG	Address	Espenstrasse 139, 9443	Widnau		
	nd ^c od pressure m	Microli leasuring de	fe evice for which validation is claimed.	Model^d If alternativ	BP A150 AFIB e model names are used, include a	II.		
ble	ood pressi	ure mea	suring device and the vali	dated bl	ood pressure measuring	device		
Ma	ker ^a	ONBO		Address	497 Dalang South Road	, Longhua, She	nzhen, Guan	gdong, China
Ma	nufacturer ^b	Microli	fe AG	Address	Espenstrasse 139, 9443	Widnau		
	ind ^c sting validated	Microli	fe sure measuring device.	Model ^d	BP A100 Plus			
w	which has previously passed the ESH protocol, the results of which were published as follows:							
bl	Stergiou GS, Giovas PP, Neofytou MS, Adamopoulos DN. Validation of the Microlife BP A 100 Plus device for self-hor blood pressure measurement according to the International. Protocol Blood Press Monit 2006;11:157-60 Full reference							
	ne only dif		s between the devices inve -18.	olve the	following components:			
	Part I	1	Algorithm for Oscillomet	ric Meas	surements	Yes 🗌	No ⊠	N/A ^e
		2	Algorithm for Auscultato	ry Meas	urements	Yes 🗌	No 🗆	N/A ^f ⊠
		3	Artefact/Error Detection			Yes 🗆	No 🗵	
		4	Microphone(s)			Yes 🗌	No 🗌	N/A ^f ⊠
		5	Pressure Transducer			Yes 🗌	No 🖂	
		6	Cuffs or Bladders			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 Facil	ities		Yes 🔲	No ⊠	
		13	Software other than Alge	orithm		Yes 🗌	No ⊠	

An explanation of each item ticked "Yes" must be included in Section B or on a separate sheet.

Notes:	a	Provide the na	me and address o	f the	actual maker	of the device

Power Supply

Other Facilities

Printing Facilities

Communication Facilities

14

15

16 17

Provide the name and address of the legal manufacturer of the device, even if it is the same as that of the maker.

Memory Capacity/Number of stored measurements

- Provide the name of the brand under which it is sold, even if it is the same as that of the manufacturer or maker.
- Provide the model name. If alternative or internal model names are used, include all. Each device must be uniquely identifiable.
- Only tick N/A (Not Applicable) if neither device measures blood pressure using the oscillometric method.
- Only tick N/A (Not Applicable) if neither device measures blood pressure using the auscultatory method.
- Only tick N/A (Not Applicable) if neither device provides printing, communication or other facilities, as appropriate,

No 🗆

No 🛛

No 🛛

No 🛛

No 🗌

N/Ag 🗌

N/A^g

N/A^g

Yes 🛛

Yes 🗌

Yes 🗌

Yes 🗌

Yes 🛛

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Email info@dableducational.org Web www.dableducational.org

Declaration of Equivalence Form

SECTION B

An explanation for each item, 1 to 18, ticked "Yes" in Section A must be provided here or in an attached document. All differences between the devices must be described.

As attached file: BP A150 AFIB Comparison items No. 9, 10, 11, 14, 18 are explained in the attached table.

SECTION C	Please check that the following are included with the application	
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A manual for the validated device

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* Screen layouts shown complete, and without obscuring labels or lines, in manuals need not be included separately.

SECTION D Complete all items, bar signatures and seal, online and print. Sign and seal it then send the original to our address below. Please email a signed expy of this form, together with the manuals and images for both devices, to info@dableducational.org.

Signature of Director

Company Stamp/Seal

Name

Gerhard Frick

Date

2016-04-08

Signature of Witness

Jerry Lin

Name Address

9F, NO. 431, RuiGuang Road, Nei-Hu, Taipei, 11492, Taiwan. R.O.C.



Device Equivalence Evaluation Form

Comparison of the Microlife BP A150 AFIB with the Microlife BP A100 Plus and Microlife BP A100

Devices	Microlife BP A150 AFIB 9	Microlife BP A100 Plus 9	Microlife BP A100 9
Image	microlife BD A A A A A A A A A A A A A A A A A A	10 B	10
Validation		ESH 2002	ESH 2002
LCD Display	11	11	11
	23 - 18 - 13 - 13 - 13 - 13 - 14 - 15 - 14 - 15 - 14 - 15 - 14 - 15 - 15	TIME MONTH-DAY 12:15—20 13 13 13 13 13 14 15 16 19 24 16 13	
Device Criteria	Memory Capacity for stored values: 14 - 30 set - shown with symbol «M»	- 200 set - shown with symbol «M» and date and time	- 1 set - shown with symbol «M» and date and time

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Device Equivalence Evaluation Form

Other Facilities: 18	18		18
Display/Symbols/Indicators	Display/Symbols/Indicators	Display/Symbols/Indicators	
- Error 6 (AFIB/MAM Mode)	- Error 6 (MAM Mode)		
- Cuff check Indicator	- Error 3 (leakage)	- Error 3 (leakage)	
(symbol instead of Error, improved function)			
- Armmovement Indicator	- Error 2 (artifact)	- Error 2 (artifact)	
(symbol instead of Error, improved function)			
- MAM Function (triplicate measurement): Yes	- MAM Function (triplicate measurement): Yes	- MAM Function (triplicate measurement): No	
- Pulse Arrhythmia Indicator (PAD): No	- Pulse Arrhythmia Indicator (PAD): Yes	- Pulse Arrhythmia Indicator (PAD): Yes	
	(indicates pulse irregularities during measurement which may affect the reading)	(indicates pulse irregularities during measurement which may affect the reading)	
- Pulse Beep during measurement: No	- Pulse Beep during measurement: Yes	- Pulse Beep during measurement: Yes	
AFIB: Yes ¹⁾ , ²⁾	AFIB: No	AFIB: No	
- Software other than algorithm			
(Detection of atrial fibrillation)			
- Date and Time display: Yes	- Date and Time display: Yes	- Date and Time display: No	
· ,	(with 2 alarm times i.e. for medication)		
Cuff compartment: No	Cuff compartment: Yes (part of the casing)	Cuff compartment: Yes (part of the casing)	
Traffic Light Indication: Yes	Traffic Light Indication: Yes	Traffic Light Indication: No	
(following ESH)	(following WHO 2003)		
Cuffs:	Cuffs:	Cuffs:	
Microlife M-Cuff (22-32cm) 3)	Microlife M-Cuff (22-32cm) ³⁾	Microlife M-Cuff (22-32cm) 3)	
Microlife L-Cuff (32-42cm) 3)	Microlife L-Cuff (32-42cm) 3)	Microlife L-Cuff (32-42cm) 3)	
Microlife M-L-Cuff (22-42cm) 4)		Microlife M-L-Cuff (22-42cm) 4)	
optional:		optional:	
Microlife M-L-Rigid-conical Cuff (22-42cm) 5)		Microlife M-L-Rigid-conical Cuff (22-42cm) 5)	

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Device Equivalence Evaluation Form

Recommend. Date	Equivalence is recommended 9 May 2016		
	sion/automatic/bp-a150-afib/	on/automatic/bp-a100-plus	tic/bp-a100/
Web link	http://www.microlife.com/products/hyperten	http://www.microlife.com/products/hypertensi	http://www.microlife.com/products/hypertension/automa
Web link	BMJ Open 2014; 4, 1-7 3) Reference dev. BP A100 Plus – validated with M Stergiou GS, Giovas PP, Neofytou MS, Adamopouthe International Protocol Blood Press Monit 200 4) Reference dev. BP A100 – validated with Micro Bonso E, Dorigatti F, Palatini P. Accuracy of the B of arm circumferences. Blood Press Monit 2009;1 5) Reference dev. BP A100 – validated with Micro Elisa Bonso, Francesca Saladini, Ada Zanier, Elisa bladder coupled to an automatic oscillometric de	Aicrolife S-Cuff (17-22cm), M-Cuff (22-32cm) and L-Colos DN. Validation of the Microlife BP A 100 Plus de 6;11:157-160 Ilife M-L-Cuff (22-42cm) P A100 blood pressure measuring device coupled w. 4:216-219 Ilife M-L-Cuff Rigid Conical Cuff (22-42cm) betta Benetti, Francesca Dorigatti and Paolo Palatin	Cuff (32-42cm) vice for self-home blood pressure measurement according ith a single cuff with standard-size bladder over a wide rai ni. Accuracy of a single rigid conical cuff with standard-size ertension Research (2010) 33, 1186–1191
documents	of Human Hypertension 2009; 23, 654-658 2) Reference dev. BP A150 AFIB Kearly K, Selwood M, Van den Bruel A, Thompson	miou EG, Kyriakidis M. Diagnostic accuracy of a hom n M, Mant D, FD Hobbs R, Fitzmaurice D, Heneghan mary care: a diagnostic accuracy study comparing s	
Reference	¹⁾ Reference dev. BP A150 AFIB		

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