

# Versatile application with advanced technology



www.inbody.com

# InBody, has produced portable body composition analyzer, InBodyS10 specialized for body composition measurement.

Gives prescription of body water, and muscle mass state which are the key factors to the patients. For effective body composition monitoring with the history function.



# Get accurate result of body composition

- · Offers intracellular, extracellular water of each body part, total body water and ratio of ECW/TBW.
- Easy to have a look at the accumulated result for intracellular, extracellular, total body water with history function.
- · Body composition values are also offered to check whether the change of body water resulted from any other changes.

History image

- · The improved history function to confirm the changes.
- · Enables storage of 50,000 data that is accessible at any time.
- $\cdot$  See how the body composition level changes through a graph.

Body Composition measurement image

I.D. 22	Weight 50.0 kg	Height 165 cm	Age 26	Gender Male	InBody s10	I.D. 22	Weight 50.0 kg	Height 165 cm	Age 26	Gender Male	InBody s10
Whole Body Weight (kg) Fat Free Mass (kg) Body Fat Mass (kg) Waist Cir. (cm) Arm Cir. (cm) BCM (kg) Segment	45.6 4.4 73.2 29.9	Walue         Value           BMI (kg(m²)         18.4           Skeletal Muscle (kg)         30.6           Percent Body Fat (%)         8.8           VFA(cm²)         78.8           Arm Muscle Cir. (cm)         23.6           BMC (kg)         1.95           LA         TR         L		18.4 30.6 8.8 78.8 23.6 1.95 LL	Body Composition Blue : Normal Yellow : Under Red : Over	Weight(kg) 51.0 50.0 Muscle(kg) 31.0 25.5	*_+++++	Weight/Muscle/PBF History			
Lean Mass (kg) 3.21 3.19 27.1 9.14 9.87 51.0 50.0 49.0				9.87	Touch Type, Lying Posture     Access   None     Paralysis   None     2010/10312/36/58 AM	20.0 % Fat(%) 22.0	* <u>+++</u> ++++				- Touch Type, Lying Posture - Access   None - Paralysis   None - 2010/103 L256/58 AM

# InBody

<b>I.D.</b> BI <b>AGE</b> 42	O_208		HEIGHT 16 GENDER M		<b>ATE</b> 2014. <b>ME</b> 11:2				TEL: +82		<b>1BO</b> 3939 F	-	82-2-57	8-2716
Body Co									122. · 02	. 2 001				
Element	mpositio	Unit	Measured	Normal Range	Vaju	T	otal Body W	ator Coff	Lean Mass	E ot F	ree Ma		neral Mass Weig	is estimate
Intracellular	Water	l	23.3	$20.6 \sim 25.2$	23.			aler Soll	Lean Wass	s ratr	ree ma	55	vvei	gni
Extracellula		l	15.1	12.6 ~ 15.4	15.		38.4		49.1					
Protein Mas		kg	10.1	8.9 ~ 10.9	10.				77.1	-	51.8		61.3	
Mineral Mas		kg	3.29	3.08 ~ 3.76	3.2	nor	1-osseous seous : 2	67						
Body Fat M	ass	kg	9.5	$7.1 \sim 14.2$	9.5	00	<u>seous . 2</u>	.07						
Muscle-F	- at Analy	sis												
Index	ut / intary	Unit	Measured	Normal Range	Und		Norn				Ove			
Weight		kg	61.3	$50.3 \sim 68.1$	55	70 8	5 100	<sup>115</sup>	130	145	160	175	190	%
		-			70	80 9	0 100	110	120	130	140	150	160	%
Skeletal Mu		kg	28.4	25.1 ~ 30.7	40		80 100		220	280	340	400	460	%
Body Fat M	ass	kg	9.5	7.1 ~ 14.2		5 1		9.5	25	30	35	40	45	%
Percent Boo	dy Fat	%	15.6	$10.0 \sim 20.0$				15.6						70
BMI	1	kg/m²	22.8	18.5 ~ 25.0		15 18	3.5 22	22.8	30	35	40	45	50	
Segment	tal Lean /	Analys		ess Location ation of Paralysis		lor	Norn				0			
Segment		Unit	Measured	Normal Range	<u>Unc</u> 40		Norn	115	130	145	<b>Ove</b>	175	190	%
Right Arm		kg	3.08	2.40 ~ 3.24				3.08	130	145	160			
Left Arm*		kg	3.09	$2.40\sim3.24$	40		35 100	3.09		145	160	175	190	%
Trunk		kg	24.0	$20.3 \sim 24.8$	70			24.0		130	140	150		
Right Leg•		kg	7.99	7.05 ~ 8.61				7.99					160	%
Left Leg		kg	8.01	7.05 ~ 8.61	70	80 9	90 100	8.01	120	130	140	150	160	%
Research Segmental Right Arm		d Nor	rmal Range $\sim 2.43$	ECW/TBW	Measured	Normal 0.36 ~		Nut     BCI	rition In	Me	asured .4 kg		lormal Ra $9.5 \sim 3$	
Left Arm	2.40 t 2.42 t		~ 2.43 ~ 2.43	Right Arm	0.392	0.36~		BM			57 kg		, s ~ : 54 ~ 3	
Trunk	2.42 t 18.8 t		~ 2.43 ~ 19.4	Left Arm	0.381	0.36~		AC	-		9.6 cm	۷.	J <b></b> - :	5.10
Right Leg	6.25 ℓ		~ 19.4 ~ 6.74	Trunk	0.388	0.36~		AM	C		5.7 cm		-	
Left Leg	6.23 ℓ 6.27 ℓ		~ 6.74	Right Leg	0.393	0.36~			st Cir.		.1 cm	U	- nder 94	4.0
Lon Loy	0.27 ł	5.52	0.74	Left Leg	0.395	0.36~		8 VFA			$0.1 \text{ cm}^2$		nder10	
				2011 209	0.590	0.50~	0.33	ВМ			88 kcal			
									V/FFM		·.1 %		-	
									<b>Jance</b> Type, Lyi	ing Do-	tura D-	fore D	iolucia 1	
Body Wate	r History		ECW TBW EC	CW/TBW TBW/FFM 0.392 74.1				2		RA	LA	TR	RL	
No DATE	TIME WEIGH		15.1 38.4					$Z(\Omega)$			267.7 264.0		228.2 2 223.7 2	
No DATE 1 11/01/11 2 10/10/11	TIME WEIGH 11:28 61.3 16:23 62.8	23.3 23.2	15.1     38.4       13.7     36.9       15.4     40.0	0.372 73.7					5 KIIZ					
No         DATE           1         11/01/11           2         10/10/11           3         10/09/10           4         10/08/09	TIME         WEIGH           11:28         61.3           16:23         62.8           11:45         65.1           15:34         61.9	23.3 23.2 24.6 22.1		0.372 73.7 0.385 74.2 0.369 73.4					50 kHz	242.6	241.2	22.2		
No DATE 1 11/01/11 2 10/10/11 3 10/09/10 4 10/08/09 5 10/07/09	TIMEWEIGH11:2861.316:2362.811:4565.115:3461.910:4764.8	23.3 23.2 24.6 22.1 23.0	13.736.915.440.012.935.014.637.6	0.372 73.7 0.385 74.2 0.369 73.4 0.389 74.3						242.6 215.1	241.2 217.2	22.2 20.0	183.2 1	79.4
No DATE 1 11/01/11 2 10/10/11 3 10/09/10 4 10/08/09 5 10/07/09	TIME         WEIGH           11:28         61.3           16:23         62.8           11:45         65.1           15:34         61.9	23.3 23.2 24.6 22.1 23.0 24.3	13.736.915.440.012.935.0	0.372 73.7 0.385 74.2 0.369 73.4					50 kHz 250 kHz	242.6 215.1 204.2	241.2 217.2 209.0	22.2 20.0 19.1	183.2 1 178.3 1	79.4 74.1
No DATE 1 11/01/11 2 10/10/11 3 10/09/10 4 10/08/09 5 10/07/09 6 10/06/12	TIMEWEIGH11:2861.316:2362.811:4565.115:3461.910:4764.816:2561.3	23.3 23.2 24.6 22.1 23.0 24.3	13.736.915.440.012.935.014.637.613.838.1	0.372         73.7           0.385         74.2           0.369         73.4           0.389         74.3           0.363         73.4				Xc(Ω)	50 kHz 250 kHz 500 kHz 1 MHz 5 kHz 50 kHz	242.6 215.1 204.2 191.0 9.5 25.6	241.2 217.2 209.0 200.7 9.1 21.9	22.2 20.0 19.1 18.7 1.1 1.5	183.2 1 178.3 1 175.1 1 7.7 18.5	79.4 74.1 70.6 7.3 17.8
No DATE 1 11/01/11 2 10/10/11 3 10/09/10 4 10/08/09 5 10/07/09 6 10/06/12	TIMEWEIGH11:2861.316:2362.811:4565.115:3461.910:4764.816:2561.3	23.3 23.2 24.6 22.1 23.0 24.3	13.736.915.440.012.935.014.637.613.838.1	0.372         73.7           0.385         74.2           0.369         73.4           0.389         74.3           0.363         73.4					50 kHz 250 kHz 500 kHz 1 MHz 5 kHz 50 kHz 250 kHz	242.6 215.1 204.2 191.0 9.5 25.6 32.9	241.2 217.2 209.0 200.7 9.1 21.9 24.9	22.2 20.0 19.1 18.7 1.1 1.5 1.2	183.2 1 178.3 1 175.1 1 7.7 18.5 13.8	79.4 74.1 70.6 7.3 17.8 13.5
No DATE 1 11/01/11 2 10/10/11 3 10/09/10 4 10/08/09 5 10/07/09 6 10/06/12	TIMEWEIGH11:2861.316:2362.811:4565.115:3461.910:4764.816:2561.3	23.3 23.2 24.6 22.1 23.0 24.3	13.736.915.440.012.935.014.637.613.838.1	0.372         73.7           0.385         74.2           0.369         73.4           0.389         74.3           0.363         73.4				Phase	50 kHz 250 kHz 500 kHz 1 MHz 5 kHz 50 kHz	242.6 215.1 204.2 191.0 9.5 25.6 32.9 2.5 6.1	241.2 217.2 209.0 200.7 9.1 21.9 24.9 2.4 5.2	22.2 20.0 19.1 18.7 1.1 1.5	183.2 1 178.3 1 175.1 1 7.7 18.5	79.4 74.1 70.6 7.3 17.8

# **1** Examinee and institution

You can advertise your center effectively. It displays personal information of examinee entered and hospital or clinic name, doctor name and the address.

# **2** Body Composition Analysis

By explaining the result sheet, your clients will realize what their body is composed of and soon comply with given instruction. In this part, these values demonstrate the weight of each body compositional element that makes up the examinee's total body weight. The estimated values are then compared with the standard values.

# **3** Muscle-Fat Analysis

Skeletal Muscle and Body Fat Mass are the main subjects for weight control. The horizontal bar graph helps you understand your body composition state compared to standard values. The value next to bar shows you the measured values and the end of bar indicates your position in the range. If the length of the bars would be similar, your body composition is well balanced, while if the lengths of the bars fluctuate, it means your body composition is not balanced.

By showing the proportion of both BMI and percent body fat in their body, InBody S10 can identify hidden obese people. A comprehensive diagnosis of obesity can be made based on various approaches like Percentage Body Fat.

# **4** Segmantal Lean Analysis

There are more various applications by providing graphs with values in relation to weight of the examinee as well as graphs with the absolute values in relation to standard weight. By measuring muscle distribution by segment, you can check body balance and development level by segment. InBody provides information essential to check the effect of rehabilitation treatment or establish a direction for exercise.

# **5** Segmental Water Analysis

InBody S10 shows segmental edema score as well as edema score for the whole body.

### **6** ECW/TBW

The graph shows the ratio of ECW to TBW and ECF to TBF. Edema score of healthy person is maintained in normal range.

# **1** Nutriton Index

Basal Metabolic Rate, Body cell mass, Bone mineral content. InBody shows you commonly used indexes related to body composition.

# **8** VFA(Visceral Fat Area)

It tells how much of body fat is accumulated in visceral areas.

# **9** Body Water History

Examination results will be stored so that changes in body composition of the examinee can be tracked.

#### (a) Body water result sheet I

#### **b** Body water result sheet II

Helps decide adequate dry weight based on body water balance and ratio(Information at Research Item part varies from body water result sheet I to II.)

# © Thermal result sheet

Convenience for outdoor use

a					б
	AGE 164cm	DATE 2011.01.11	BIOSPAG	BODY WATER	
HEIGHT 42	GENDER Male	TIME 11:28:17	TEL:02-501-3939 FAX:	02-501-3978	HEIGHT 42 GENDER Male TIME 11:28:17 TEL02301-3999 FXX.05301-3978 Body Water Analysis
Body Water Analysis Denset Del Intracelular Water ( Extracelular Water ( Total Body Water (		5.2 5.4 0.7	da da da da d 23.3 da da da da da 15.1 da da da da da 33.4	the she to	Body Water Analysis         Meaner
Weight kg	61.3 50.3~6	<u> </u>		a its ita m	Right Arm 2.40//0.281
Segmental Water An Segment Unit Right Arm C Left Arm C Trunk C	alysis      A constant of family     Annew Lounion     Contribution     Nonnew Normal Ra     2,40     1,99 ~ 2     2,42     1,99 ~ 2     18.8     15.8 ~ 1	Under         In           43         4         6         6           43         4         6         6         6           443         4         6         6         6           9,4         5         6         6         6	da da da da da 2.42 da da da da da	20 20 1	Segmention result result (resp)         Link and (resp)         User         Term I         Dev         Link and (resp)           Registering of the field of
Right Leg- t	6.25 5.52~6		6.25	150 150 15	Left Leg t 6.27 5.52~6.74 A d d d d d d d d d d d d d d d d d d
LeftLeg t	6.27 5.52~6	.74	6.27	i da da S	ECWTBW
ECW/TBW Segment Unit Total Right Arm Left Arm Trunk Right Leg	0.392 0.36~0 0.381 0.36~0 0.388 0.36~0 0.393 0.36~0 0.393 0.36-0	139         Over           139         Staphy over         0.40           139         Staphy over         0.30           139         Normal         0.38           139         0.38         0.38	* * *		Conversion         Description         Second         Second <t< td=""></t<>
Left Leg -	0.396 0.36 - 0	.39	GGAI RA LA TR	RL LL	Research Item Muscle Fat Analysis Muscle Fat Analysis Muscle Fat Analysis
BMI 22.8 kg/m <sup>2</sup>	Normel Kampe         Monorm           18.5 - 25.0         BCM         33.4 k           10.0 - 20.0         BMC         2.67 k           FFM         51.8 k	g 29.5 - 36.1 AC	10mout 29.6 cm 26.7 cm M 74.1 %		Weight         A13.4;         Solution         Paytern         Solution         Solution <thsolution< th="">         Solution         S</thsolution<>
Body Water History			Impedance		PercentBolyFat (5.6 % 10.0 - 20.0 Left Leg 8.01 kg 7.05 - 8.61 Walst Cir. 75.1 m Under 94.0 Viscent Fat Ana 63.9 m <sup>2</sup> Under 100.1 Observity Disenses
1 1306-11 11:28 61.3 2 2 10/1811 16:23 62.8 2 3 10/0810 11:45 65.1 2 4 10/08/09 12:34 61.9 2	2.1 12.9 35.0 0.368 73.	1 7 2 4	1 kHz 272.3 263.3 5 kHz 268.2 264.8	TR PL LL	Bit         22,3 kg/s         20 kg/s         22,3 kg/s         21 kg/s         21 kg/s         21 kg/s         22,3 kg/s         21 kg/s         21 kg/s         22,3 kg/s         21 kg/s         23 kg/s         21 kg/s         23 kg/s         21 kg/s         23 kg/s         22,3 kg/s         21 kg/s         23 kg/s         24 kg/s         24 kg/s         24 kg/s         23 kg/s         24 kg/s         25 kg/s
3 100009 18-47 448 5 6 100612 18-25 413 2 7 100612 18:12 46.1 2	3.0 14.6 37.6 8.389 34, 4.3 13.8 38.1 8.303 75	3	250.kHe         215.1         217.2           500.kHz         304.2         200.8           1.MHz         301.8         200.8           1.MHz         9.18         200.8           5.kHe         9.5         9.1           5.kHe         9.5         21.8           250.kHz         25.6         21.8           250.kHz         32.9         24.8           Phore Augleres         200.8	280 1832 1784 181 1783 1781 187 1751 1785 1.1 3.2 3.3 1.5 185 178	No. DOT:         Design in the standard by the constraint of the standard by t
				3.9 5.3 5.2	Phane         Still         2.5         2.4         1.2         2.3         VFA         (83, 9) cm <sup>-2</sup> (itidate)           Andrew, Still         6.1         2.9         8.5         5.2         VFA         (83, 9) cm <sup>-2</sup> (itidate)           201010         70.43         2.8         3.5         3.5         DMR         1.488         local

# ADVANTAGE

InBodyS10, with convenient design, allows you to experience its speciality.



Convenient outdoor use with roving battery, portable bag, and thermal printer

- Battery (option)
- ► Thermal printer (option)





Portable bag



Reasonable touch type electrode use

Adhesive type electrode





Simple and intuitive design recognition of user interface

Memory stick



Touch screen





Handy use with its own cart (option)



# **InBody \$10** Specifications

#### **Key Specifications**

U 1		
Bioelectrical Impedance Analysis (BIA) Measurement Items	Impedance(Z)	30 impedance measurements by using 6 different frequencies (1kHz, 5kHz, 50kHz, 250kHz, 500kHz, 1000kHz) at each 5 segments of the body(right arm, left arm, trunk, right leg, left leg)
	Reactance(Xc) Phase Angle( $\theta$ )	15 reactance(Xc), phase angle( $\theta$ ) measurements by using 3 different frequencies (5 <sub>kHz</sub> , 50 <sub>kHz</sub> , 250 <sub>kHz</sub> ) at each 5 segments of the body(right arm, left arm, trunk, right leg, left leg)
Electrode Method	Tetrapolar 8-Poin	t Tactile/Adhesive Electrode System
Measurement Method	Direct Segmental	Multi-frequency Bioelectrical Impedance Analysis Method, DSM-BIA method
Body Composition Calculation Method	No use of Empiri	cal Estimation
Outputs	Body Composition	Intracellular Water, Extracellular Water, Total Body Water Protein, Mineral, Body Fat, Soft Lean Mass, Fat Free Mass, Weight, Skeletal Muscle Mass, Body Fat Mass, Percent Body Fat, BMI, Segmental Lean Analysis, Segmental Water Analysis, Total and Segmental Water Ratio(ECW/TBW), BCM(Body Cell Mass), BMC(Bone Mineral Content), AC(Arm circumference), AMC(Arm Muscle Circumference), Waist Cir., Visceral Fat Area, Basal Metabolic Rate(BMR), TBW/FFM, Body Water History(12times accumulated results), Impedance at Each Segment & Frequency(Impedance, Reactance, Phase Angle)
	Body Water I	Intracellular Water, Extracellular Water, Total Body Water Weight, Segmental Water Analysis, Total and Segmental Water Ratio(ECW/TBW), BMI(Body Mass Index), Percent Body Fat, Basal Metabolic Rate(BMR), BCM(Body Cell Mass), BMC(Bone Mineral Content), Fat Free Mass, AC(Arm circumference), AMC(Arm Muscle Circumference), TBW/FFM, Body Water History(15times accumulated results), Impedance at Each Segment & Frequency(Impedance, Reactance, Phase Angle)
	Body Water II	Intracellular Water, Extracellular Water, Total Body Water Weight, Segmental Water Analysis, Total and Segmental Water Ratio(ECW/TBW), Skeletal Muscle Mass, Body Fat Mass, BMI, Percent Body Fat, Segmental Lean Analysis, Soft Lean Mass, Fat Free Mass, Protein, Mineral, BCM(Body Cell Mass), BMC(Bone Mineral Content), AC(Arm circumference), AMC(Arm Muscle Circumference), Waist Cir., Visceral Fat Area, Basal Metabolic Rate(BMR) TBW/FFM, Body Water History(12times accumulated results), Impedance at Each Segment & Frequency(Impedance, Reactance, Phase Angle)
Easture Specifications		

#### **Feature Specifications**

Logo Display	Possible to input name of the user's place, address and contact number
Type of Results Sheet	Basic : Body composition results sheet (Printed Paper/Blank Paper) Body water results sheet(I, II) (Blank Paper) Option: Thermal results sheet(when using thermal printer)
Portability	Indoor - with own cart(optional), Outdoor - with own portable bag
Posture	Lying Posture, Seated Posture, Standing Posture
Electrode Type	Touch Type, Adhesive Type
Setting of Dialysis Mode	Measurement time(before/during/after dialysis), Access position, Paralyzed position set available
Data Storage	Possible to save the results when ID is entered(Up to 100,000 measurements)
User's Interface	Touch screen and key pad
Use of USB Storage Device	Possible to backup and transfer data to USB storage device (compatible with Excel and Lookin'Body software) Should use the USB storage device provided by InBody
Data Back-Up	Possible to backup data through USB storage device and to restore the data to the InBody
Printer Connection	USB port

#### **Other Specifications**

Applied Rating Current	Under 100µA(1kHz), 500µA(over 5kHz)
Power Consumption	50VA
Adapter	Power Input AC100~240V, 50/60Hz, 1.2A
	Power Output DC 12V, 3.4A
Display Type	$800 \times 480$ Touch Color LCD
External Interface	RS-232C 1EA, USB Slave 1EA, USB Host 1EA
Compatible Printer	Laser/Inkjet PCL 3 or above and SPL(Printer recommended by InBody) Thermal Printer(Optional)
Dimensions	202 (W) × 322 (L) × 53 (H): mm 8 (W) × 12.7 (L) × 2.1 (H): inch
Machine Weight	2kg(4.4lbs)
Measurement Duration	Imin. Susec.
Operation Environment	10 ~ 40°C(50 ~ 104°F), 30 ~ 75%RH, 70 ~ 106kPa
Storage Environment	-20 ~ 70°C(-4 ~ 158°F), 10 ~ 95%RH, 50 ~ 106kPa(No condensation)
Weight Range	10~250kg(22~551lbs)
Height Range	95 ~ 220cm(3ft. 1.4in. ~ 7ft. 2.6in.)
Age Range	3 ~ 99 years

CE 0120

\* Specifications may change without prior notice.

InBody is a body composition analysis device manufacturer that has acquired over 80 patent rights across the globe.

# InBody

#### InBody Co., Ltd. [HEAD OFFICE] InBody USA [USA] TEL: +82-2-501-3939 FAX: +82-2-578-2716 Website: http://www.inbody.com E-mail: info@inbody.com

# TEL: +1-323-932-6503 FAX: +1-323-952-5009 Website: http://www.inbodyusa.com E-mail: USA@biospaceamerica.com

InBody Japan Inc. [JAPAN] TEL: +81-03-5298-7667

U.S. patent U.S. 5720296

FAX: +81-03-5298-7668 Website: http://www.inbody.co.jp E-mail: inbody@inbody.co.jp

OPIC

CIPC

Canada patent C.N. 2225184

# GMP Korea Food & Drug Adiministration ISO13485 ISO9001

#### **Biospace China.** [CHINA] TEL: +86-21-64439738, 9739, 9705 FAX: +86-21-64439706 Website: http://www.biospacechina.com E-mail: info@biospacechina.com