



Claret Wine

InBody R20 *Body composition Analyzer*

Specifications

Model	InBodyR20
Data Transfer Type	USB Cable Type / Bluetooth Type
Electrode Method	Tetra polar 8-point tactile electrode system
Frequency	20kHz, 100kHz
Measurement Method	DSM-BIA(Direct Segmental Multi-frequency Bioelectrical Impedance Analysis) Method
Outputs	Weight, Body Fat Mass, Percentage of Body Fat, BMI, Skeletal Muscle Mass, Basal Metabolic Rate From Lookin' Body Basic – Total Body Water, Fat Free Mass, Waist-Hip Ratio, Muscle Control, Fat Control, Segmental Lean Distribution, Segmental Fat Distribution
Measurement Mode	Body Composition Analyzing Mode / Weight Measuring Mode
Applied Rating Current	250uA
Power Source	1.5V Battery (AA size ×4)
Display Type	66 × 78(mm) Customer LCD
Dimension	321 × 360 × 58 (mm: W × L × H)
Machine Weight	3kg
Weight Range	10 ~ 150kg
Age Range	6 ~ 99 years

*Specification is subject to change without prior notice.

BIOSPACE

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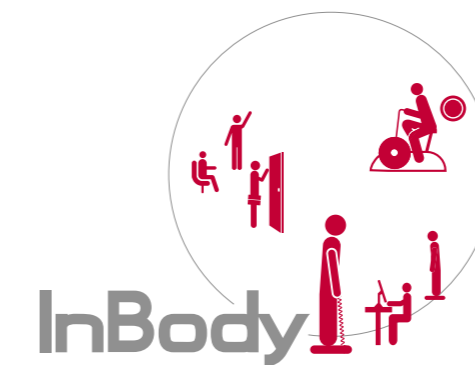


InBody

Feel the change in your body with InBody!

DSM-BIA technology of InBody measures accurate impedance, which reflects even a small change in our body.

Precise body composition analysis comes from exact impedance measurement of each part of the body: right arm; left arm; trunk; right leg; left leg.



InBody

Feel the change in your Body



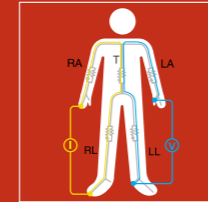
Advanced Technology of InBody

- DSM-BIA technology
- Multi-frequency Measurement
- 8 point tactile electrode system
- No use of empirical estimation

InBody has overcome the limitation of conventional BIA by its exclusive technologies.

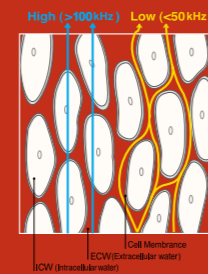
Since a human body is not an isotropic conductor with uniform cross-sectional areas, we consider the body as five cylinders: four limbs and the trunk.

The amount of body water is measured in each segment. Therefore, there is no need to use empirical estimation such as gender or age, to compensate for inaccurate measurement in conventional BIA devices.



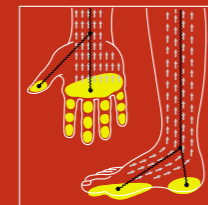
Direct Segmental Measurement

Biospace's patented technology makes the measurement absolutely accurate by producing impedance for each different segment: 4 limbs and trunk.



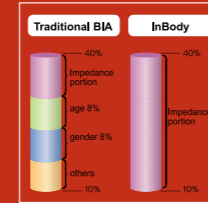
Multi-Frequency Measurement

InBody uses multi-frequencies from 1kHz to 1MHz to measure ICW and ECW separately and hence, is useful in analyzing people with imbalanced body water distribution.



8-Point Tactile Electrode System

Our tetrapolar 8-point tactile electrodes technology has made it possible to enhance accuracy and reproducibility by fixing the measuring location of current and voltage.



No Use of Empirical Estimation

Thanks to Biospace's exclusive technology, it is no need to use empirical estimation. Gender or age does not affect the result.

Biospace has been striving to improve human health; it has explored new realms of body composition analysis, leading the health care market with the top quality body composition analyzers that have set the standard for diagnosis of obesity and health care. Biospace focused on product development and clinical research with an effort to venture into the field of electronic medical devices.

We have acquired many patents and certifications, including FDA approval, which is valued world-wide. Biospace, as a pioneer, is the only specialized company for Body Composition Analyzers.

We hope to see the body composition analyzers in every hospital, health center and fitness club all around the world.



Certifications and patents obtained by Biospace



The InBodyR20 will show beyond the number on the scale and tell you what your body is really made of.



InBody R20

BODY COMPOSITION ANALYZER

USB cable type



Bluetooth type

Wireless communication function is built in.



Hand Electrode is designed to guide right measurement posture.

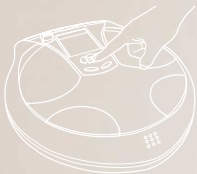


Data transfer to PC is convenient via USB cable or Bluetooth



LCD shows measurement results at once

It is easy to use with 6 control buttons

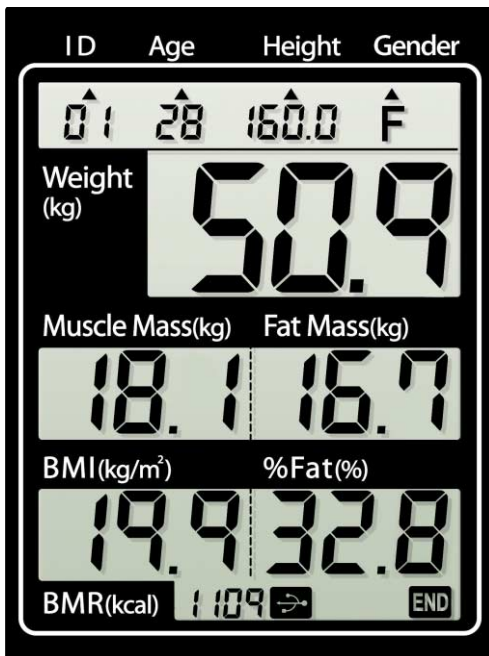


Foot Electrode is designed to guide right measurement posture





Body Composition Analyzing Mode



• ID registration

99 members' personal information and 300 measurement data can be stored. Before InBody test, select ID, age, height and gender.

• Weight

The sum total of body compositions in our body

• Muscle Mass

Skeletal muscle is mostly affected by the physical exercise. Also, the amount of skeletal muscle directly correlates to our basal metabolic rate (BMR) because muscle consumes calories and turns it into energy.

• Fat Mass

Body fat accumulation is the result of excessive calorie intake. These calories are deposited as fat to reserve energy. Excessive fat accumulation causes obesity and it is closely related with adult onset diseases.

• BMI(Body Mass Index)

BMI, which is obtained from calculation of height & weight, is a common currency to decide obesity in overall fields.

• %Fat

Percentage of body fat is the actual portion of body fat in weight and the accurate index to judge the practical obesity.

• BMR(Basal Metabolic Rate)

BMR is the minimal energy requirement for sustaining vital functions at rest.



Weight Measuring Mode



• Do you want to just measure weight only?

Press 'Weight' button.

For weight measurement

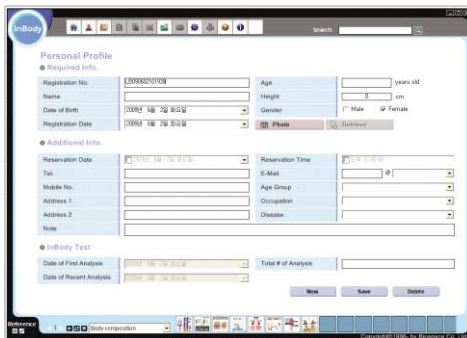
Step on InBodyR20 when 0.0 shows on the LCD screen.



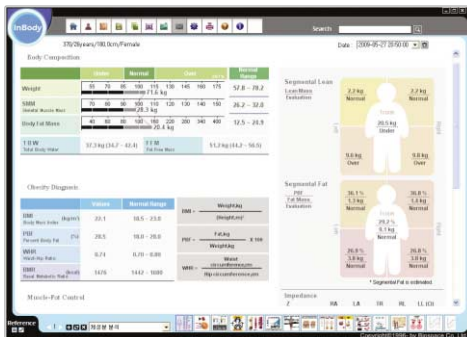


Smart Health Manager, Lookin'Body Basic

Lookin'Body Basic, the data management software, provides detailed explanation about InBody test and plays a role in effective history management of personal data

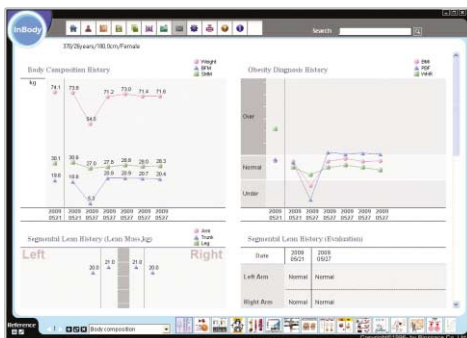


- Personal information such as name, age, gender, date of birth, etc. can be registered and managed for effective customer management.
- Personal measurement results can be stored without capacity limit.



Lookin'Body Basic provides more powerful result parameters :

- Total Body Water
- Waist-Hip Ratio
- Fat Control
- Segmental Fat
- Body Fat Mass
- BMI
- Basal Metabolic Rate
- Fat Free Mass
- Muscle Control
- Segmental Lean
- Weight
- Percentage of Body Fat
- Skeletal Muscle Mass



Effective history management of personal data

- Body Composition History
- Obesity Diagnosis History
- Segmental Lean History(Lean Mass)
- Segmental Lean History(Evaluation)
- Segmental Fat History(Fat Mass)
- Segmental Fat History(PBF)



Features

- Data storage without capacity Limit
- Simple and easy to use
- User friendly menu icons
- Effective customer management
- History management of personal data
- Computer based result sheet
- Available in English, Spanish, Portuguese and 6 more languages

The result sheet from Lookin'Body Basic

InBody

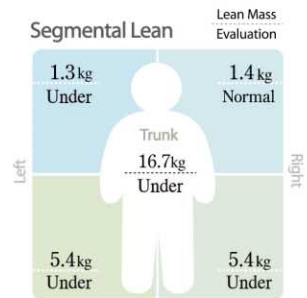
ID 01
Age 28

Height 160cm
Gender Female
Date 2008.6.21
Time 15:22:11

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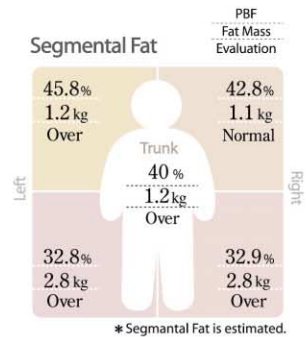
Body Composition

	Under	Normal	Over	UNIT%	Normal Range
Weight					45.7 ~ 61.8
Muscle Mass <small>Skeletal Muscle Mass</small>					20.3 ~ 24.9
Body Fat Mass					10.8 ~ 17.2
T B W <small>Total Body Water</small>	25.0kg (27.4~33.5)		FFM <small>Fat Free Mass</small>	34.2kg (34.9~44.6)	



Obesity Diagnosis

	Value	Normal Range	Equation
B M I <small>Body Mass Index (kg/m²)</small>	19.9	18.5 ~ 23.0	$BMI = \frac{Weight, kg}{(Height, m)^2}$
P B F <small>Percent Body Fat (%)</small>	32.8	18.0 ~ 28.0	$PBF = \frac{Fat, kg}{Weight, kg} \times 100$
W H R <small>Waist-Hip Ratio</small>	0.81	0.70 ~ 0.80	$WHR = \frac{Waist\ circumference, cm}{Hip\ circumference, cm}$
B M R <small>Basal Metabolic Rate (kcal)</small>	1109	1132 ~ 1301	



Muscle-Fat Control

Muscle Control	+ 7.2 kg	Fat Control	- 4.3 kg
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Impedance

Z	RA	LA	TR	RL	LL
20kHz	476.8	514.6	31.7	324.0	324.7
100kHz	439.3	477.0	28.3	296.2	297.0

* Use your results as reference when consulting with your physician or fitness trainer.