

www.inbody.com

# InBody770

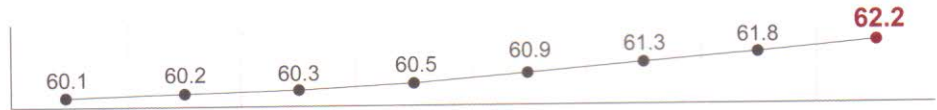
The Premium solution for your health



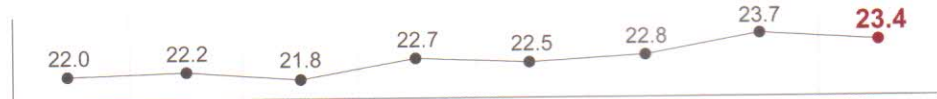
# See What You're Made of

Reveal the efficiency of your consultation through the InBody Test

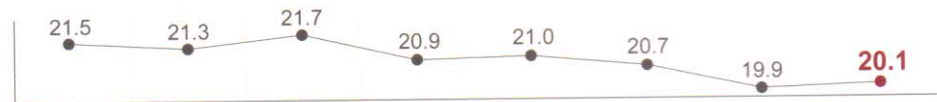
**Weight (kg)**



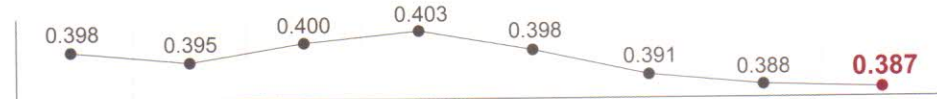
**Skeletal Muscle Mass (kg)**



**Percent Body Fat (%)**



**ECW Ratio**



25.02.14	18.03.14	08.04.14	29.04.14	20.05.14	10.06.14	01.07.14	22.07.14
09:15	09:05	09:13	08:59	09:07	09:14	09:12	09:03

\* Height: 174cm, Age: 51, Gender: Male

The InBody Test clearly visualizes the body's internal change. Weight alone does not accurately reflect the effects of an individual's nutritional status. However, the InBody test can accurately reveal the changes of the body. For example, increased Skeletal Muscle Mass and Percent Body Fat indicate a positive change in the body. Measuring Extracellular Water Ratio and maintaining it in the normal range is also beneficial for the body.

The graph above details the changes in a man who had about half a year of well-organized nutritional supplements and workout plans after a surgery. The InBody Test indicates a positive change in his body.



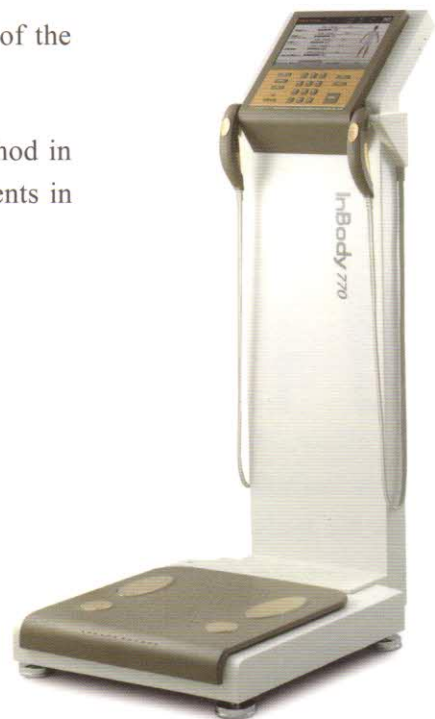


## Accuracy and Reliability of the InBody are Proven by the World's Top Journals and Scholars

*More than 500 articles have been published by renowned journals*

The world's medical professionals have proven the clinical reliability of the InBody through numerous articles.

The InBody has a 98.4% correlation with DEXA, a gold standard method in body composition analysis, and the InBody's own technology hold patents in various countries around the world.



### Validation Studies

Kriemler, S., Puder, J., Zahner, L., Roth, R., Braun-Fahrländer, C., & Bedogni, G. (2008). Cross-validation of bioelectrical impedance analysis for the assessment of body composition in a representative sample of 6-to 13-year-old children. *European journal of clinical nutrition*, 63(5), 619-626.

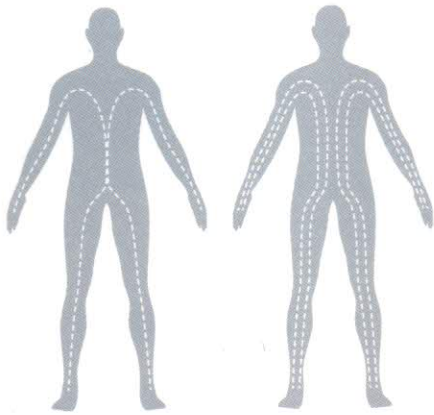
Lim, J. S., Hwang, J. S., Lee, J. A., Kim, D. H., Park, K. D., Jeong, J. S., & Cheon, G. J. (2009). Cross-calibration of multi-frequency bioelectrical impedance analysis with eight-point tactile electrodes and dual-energy X-ray absorptiometry for assessment of body composition in healthy children aged 6–18 years. *Pediatrics International*, 51(2), 263-268.

Utter, A. C., & Lambeth, P. G. (2010). Evaluation of multifrequency bioelectrical impedance analysis in assessing body composition of wrestlers. *Med Sci Sports Exerc*, 42(2), 361-7.

Ling, C. H., de Craen, A. J., Slagboom, P. E., Gunn, D. A., Stokkel, M. P., Westendorp, R. G., & Maier, A. B. (2011). Accuracy of direct segmental multi-frequency bioimpedance analysis in the assessment of total body and segmental body composition in middle-aged adult population. *Clinical Nutrition*, 30(5), 610-615.

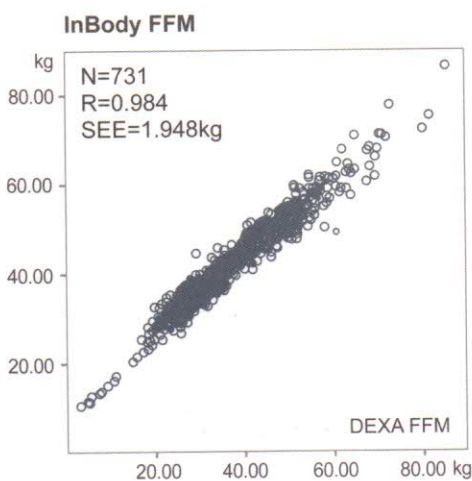
# Capture the single moment of your body via SMF-BIA

*Another innovative achievement for BIA technology*



**SMF-BIA** (Patent registration number: US 8271079);  
Simultaneous Multi-Frequency Bioelectrical Impedance Analysis

The shift of body composition and the change in water distribution of the body causes inaccurate measurements when the body composition was analyzed by former technology. InBody with its exclusive technology overcomes this limitation by flowing the multi-frequencies instantly at the same time. The innovative technology called SMF-BIA which guarantees high accuracy of measurement is proudly introduced by the InBody770 with its new generation.



## InBody770 for research level accuracy

\* Male: 343, Female: 388

	N	Minimum	Maximum	Mean	Std. Deviation
Age (years)	731	5.00	88.00	40.09	17.54
Height (cm)	731	106.50	193.00	162.42	10.43
Weight (kg)	731	17.30	118.30	60.60	13.59

With the technological advancement, the InBody proved itself as the most accurate BIA device to measure the body composition.

The study shows that InBody has high correlation with DEXA.



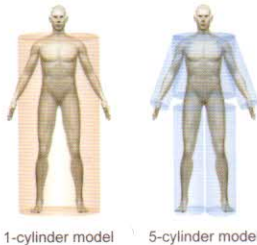
# InBody Technology

*Experience the Exclusive InBody Technology*

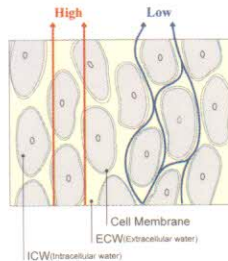
## Technical Improvements for Achieving High Accuracy and Reproducibility

**98.4% Accuracy Validated with DEXA**

**99% Reproducibility**



1-cylinder model    5-cylinder model  
Direct Segmental Measurement  
**DSM-BIA**



Wide Ranged Multi-Frequencies  
**SMF-BIA**



8-Point Tactile Electrodes  
**With Thumb Electrodes**



### No Use of Empirical Estimations

Conventional BIA devices factor in empirical estimations such as body type, age, and gender into their results. The InBody only uses impedance directly acquired from each subject to allow the InBody to provide accurate, personalized results.

#### Direct Segmental Measurement (DSM-BIA)

One of the assumptions generally taken in BIA is that the measure body is one cylinder. The InBody uses direct segmental measurement bioelectric impedance analysis (DSM-BIA), a patented technology, to precisely measure the body as 5 separate cylinders: four limbs and the trunk.

#### Wide Ranged Multi-Frequencies

InBody uses multi-frequencies to penetrate the cell membrane and accurately analyze intracellular water and extracellular water. By using simple frequencies, InBody accurately measures total body water, hence, is useful in analyzing individuals with imbalanced body water distribution. Especially, InBody770 uses simultaneous multi-frequencies and it makes higher accuracy of the results.

#### 8-Point Tactile Electrodes with Thumb electrodes

Exclusive Tetra-polar 8-point electrodes allow measurements to repeatedly start at a fixed point – regardless of where electrodes are placed – to increase accuracy and reproducibility.

