

Bioelectrical Impedance Analysis – BIA

The BIA Legend

Akern BIA 101

- ◆ **COMPREHENSIVE ANALYSIS**
Nutrition and hydration status
Follow-up and therapy control
- ◆ **BODY COMPOSITION**
Clinical evaluation without cofounders
- ◆ **CONCISE DOCUMENTATION**
Impressive graphic reports
Clear distinction of pathological conditions



Systems for the Health Conscious

The BIA Legend

Akern BIA 101

Body composition – reliable results at one glance

Akern BIA 101, the BIA legend

More than 25 years of research and experience constitute the legendary uniqueness of the Akern BIA 101 instrument. Its reputation as a scientific reference and clinical gold standard is based on more than 3,000 scientific publications. With BIA 101 you will acquire advanced technology and more so, conscientious methodology, developed over the past 25 years. In the combination with BodyGram PRO, the exclusive Akern software program, BIA 101 becomes a source of insights into physiological conditions, pathological changes, and finally, viable results.

Proven, most reliable technology

With perfect precision, the phase sensitive BIA 101 determines Resistance R_z and Reactance X_c , the founding parameters of body composition analysis. The application of BIA 101 is most simple: On the wrist and angle of the test person, each two skin electrodes are placed unilaterally, connected by flexible cables to the instrument. Momentarily test results will be displayed and transferred to your PC for further analysis and documentation. Powered by a lithium ion battery, the lightweight BIA 101 is completely portable.

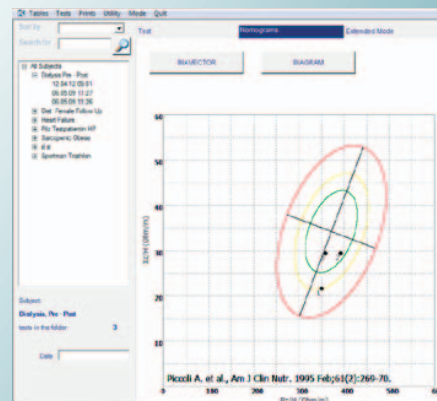
BodyGram PRO, powerful software

Based on solid validation and backed by countless scientific publications BodyGram PRO offers optimal evaluation of nutrition and hydration status. Its intuitive and flexible operation offers a host of user-friendly settings. Results are presented in a concise, yet impressive format, enhanced by memorable graphs. Users can choose from a variety of reports offering immediate insight into the individual condition and its progression, valuable information to trainers and physicians as well as to clients and patients. Evaluation refers to a comprehensive set of predicted norms, covering an age range from 2 to 85 years. Networking capability, online data transfer, and a multi-station, lifetime license are essential features of the BodyGram PRO software package.

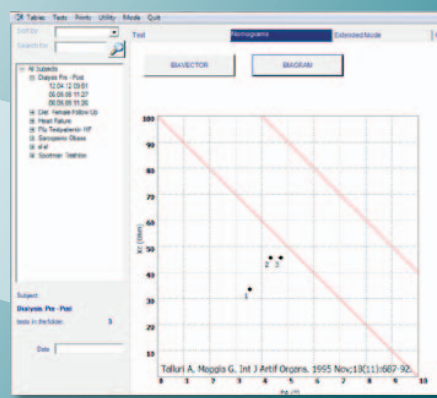
BIA evaluation made easy

Besides top technology, BIA 101 will offer you direct access to a profound knowledge base in body composition analysis. With the instrument purchase you will receive an educational bonus for your participation in our renowned, frequently held live webseminars. In a compact format, our specialists disseminate the knowhow to safe application, achievement of reproducible results, and thorough interpretation. The seminar focusses on proven concepts of BIA analysis in nutrition counseling, weight management, training guidance, therapy control and follow-up in nutritional medicine, oncology, nephrology, and other medical disciplines.

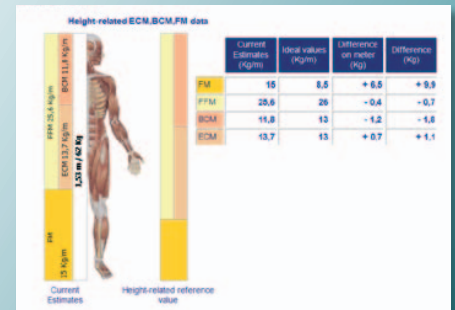
Nutrition and hydration status



BiaVector® analysis without cofounders
Direct comparison of measured vs. predicted



BiaGram
Intra- vs. extracellular water
Essential in clinical use



Body composition
Impressive charts and graphs

BIA 101 analysis with BodyGram PRO

- Phase angle in degrees
- Bio-active cell mass in kg and % (BCM)
- Total body water in L and % (TBW)
- Extracellular water in L and % (ECW)
- Intracellular water in L and % (ICW)
- Fat mass in kg and % (FM)
- Fat free mass in kg and % (FFM)
- Muscle mass in kg and % (MM)
- Sodium/potassium exchange (Na/K)
- Basal metabolic rate in kcal/kJ (BMR)
- BiaVector® nutrition and hydration status
- BiaGram - Extra-/intracellular water chart

Completely perfect!

- BIA 101 includes
- Patient cable set
- Electrodes (Pack 100 pcs)
- Power supply
- Tester
- USB cable
- Aluminum transport case
- medically certified CE0051
- **BodyGram PRO**
- Multi-station, lifetime license
- for MS Windows® XP or 7 (32/64)
- Networking database

BIA 101 is a product of Akern s.r.l., Florence, Italy

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