

# Medical Body Composition Analyzer for determining body composition in a lying position

## seca mBCA 525 c

- + Specially designed and validated for mobile medical use
- + Unique accuracy through whole body MRI validation (skeletal muscle mass) and 4C model (fat mass)
- + Patented measuring mat: BIA in supine position is finally comfortable, precise and easy
- + Validation studies are bundled and published in the European Journal of Clinical Nutrition 2013/2017, among others
- + Cloud-based software: simple and intuitive analysis on any device with internet access
- + Quickly understandable and clear graphics with reference ranges for ideal diagnostic support
- + Precise results guaranteed: On-screen instructions guide you through the entire measurement process
- + Suitable for children from the age of five without minimum height requirement



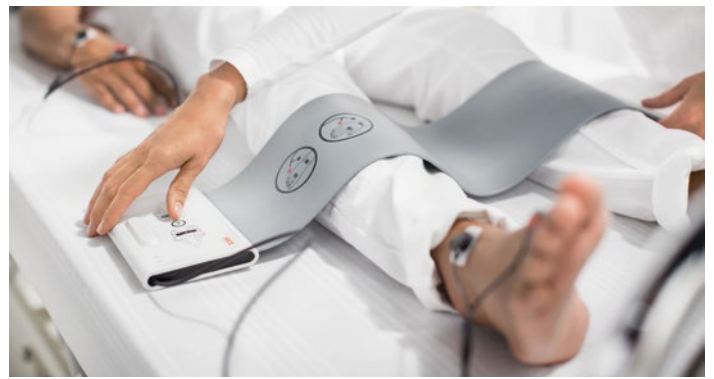
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## Body composition analysis for medical use

The seca mBCA 525 c is the compact and mobile BIA solution for determining muscle mass, fat mass and total body water. Further parameters are the phase angle, the amount of visceral fat and the proportions of intracellular and extracellular water. The patented measuring mat enables quick and convenient measurement while lying down. The measurement is automatically synchronised with the cloud software via WLAN and can be evaluated on any device, be it a smartphone, tablet or laptop.

Net weight	3 kg / 6.6 lbs
Dimensions (WxHxD)	252 × 262 × 230 mm / 9.9 × 10.3 × 9.1 in
Power supply	Power adapter, Rechargeable battery
Interfaces	Ethernet, USB 2.0, Wi-Fi
Display	7" Touchscreen-Display
Electrode type	Adhesive electrodes (PVC-free)
BIA measuring method	8-point Bioelectrical Impedance Analysis
BIA measuring frequency	1; 2; 5; 10; 20; 50; 100; 200; 500 kHz
BIA measurement segments	Right arm, left arm, right leg, left leg, right half of body, left half of body, torso
BIA measuring electricity	100 µA
BIA measuring period	30 seconds
Software	seca analytics 125
Medical Device Regulation (MDR) certified	



## Every body component validated to the gold standard

Whether a bioimpedance analysis keeps its promises depends on the validation method. This is because, as an indirect measurement method, a bioimpedance analysis initially determines only the body resistances  $R$  and  $X_c$ , which must be interpreted. The algorithms that perform this must be derived from the most accurate reference data possible. There is a different scientifically defined gold standard for each compartment. For example, for skeletal muscle mass, the evaluation of whole-body MRIs is the best reference; for fat mass, it is the 4C model. The seca mBCA is validated as the only BIA device for all compartments with the most efficient reference method (gold standard). Studies are visible and published: <https://science.seca.com/studies-white-papers>



## Graphical representations fuel motivation

The illustrative graphics and courses not only provide the doctor or nutritionists with a quick orientation for its therapeutic measures. They also fuel the motivation of patients who have to lose weight for health reasons. While the scale shows no change because the fat reduction is concealed by muscle growth, the seca mBCA 525 c detects the reduced fat mass and shows the successes. The representation of body composition ensures a better understanding of therapeutic measures and thus a higher therapy compliance.

Accessories	+ Carrying case seca 432 + Barcode scanner 4734500 + Barcode scanner 4735500 + Mobile stand seca 475
Consumables	+ Disposable electrodes 4900020 + Disposable electrodes 4900022