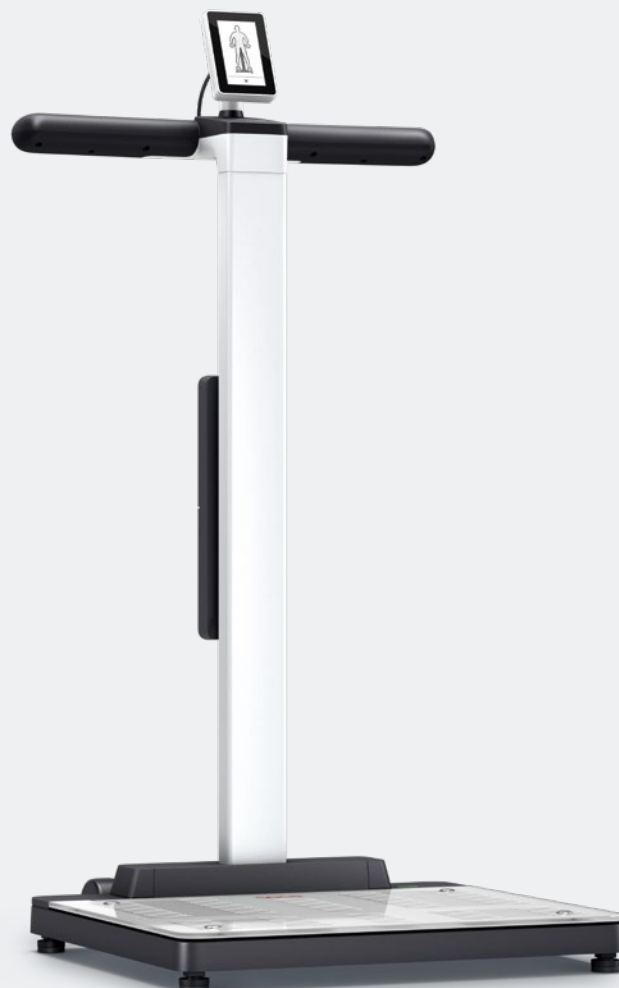# Medical Body Composition Analyzer with gold standard validation

seca mBCA Alpha

+ Move beyond the limitations of BMI and gain medically validated insights into your patient's body composition in just seconds

+ Unmatched precision through gold standard validation: whole-body MRI for skeletal muscle mass and the 4C model for fat mass

+ All validation studies have been published in peer-reviewed journals, including the European Journal of Clinical Nutrition

+ Comprehensive, personalized normal ranges based on over 3,000 multiethnic subjects

+ Specially developed formulas for children over 5 years and 1.30 m as well as people over 65 years and patients with obesity

+ Fixed handle electrodes ensure consistent hand positioning, enhancing reproducibility of the results

+ Fast and secure cloud-based software with easy-to-read visuals, customizable templates, treatment tracker module (additional fees apply)

+ Includes seca myAnalytics app: patients can track their body composition anytime, anywhere – visualizing progress to boost motivation and engagement

Medical Body Composition Analyzer with gold standard validation

The Game Changer in Patient Care

Imagine seeing inside your patient's body – clearly understanding what it's made of and what's putting health at risk. With the seca mBCA Alpha, that insight is just a step away. In seconds, it delivers a clinically validated, in-depth analysis of body composition – clear, precise, and easy to understand. With meaningful metrics like skeletal muscle mass, visceral fat, and phase angle, you gain the clarity to guide therapy, personalize care, and make informed decisions – moving far beyond BMI and assumptions.

Medical device	Medical Device Regulation (MDR) certified
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	24 seconds
Age	5 - 99 years
Body height	> 130 cm / > 51 inch
Software	seca analytics 125
Approval class	(III)
Capacity	300 kg
Graduation	50 g < 150 kg > 100 g
Dimensions (WxHxD)	600 × 1,233 × 653 mm / 23.6 × 48.5 × 25.7 in
Platform (WxHxD)	600 × 70 × 467 mm / 23.6 × 2.8 × 18.4 in
Net weight	20.8 kg / 45.8 lbs
Display	4.3" tiltable and rotatable touchscreen
Power supply	Power adapter
Interfaces	Ethernet, USB for barcode scanner, Wi-Fi
Accessories	+ Barcode scanner mount seca 463 + Barcode scanner seca 473

Be at the Forefront of Body Composition Technology

The seca mBCA Alpha is seamlessly integrated into our cloud-based software platform, seca analytics 125. It enables you to evaluate measured data, track progress, and visualize changes in body composition with clarity and ease. Backed by a dedicated development team and clinical research partnerships, the platform is continuously evolving – with new parameters, enhanced visualizations, and advanced functionalities.
Stay ahead with cutting-edge body composition parameters and features designed for clinical relevance and maximum impact.

Validated Against Gold Standards for Ultimate Precision

The seca mBCA Alpha is the only body composition solution validated for all compartments using the most accurate reference methods available. This includes comprehensive comparisons with whole-body MRI for muscle mass and the 4-compartment model for fat and fat-free mass. To ensure complete confidence in measurement accuracy, all validation studies have been transparently published in peer-reviewed scientific journals.

Order code ON IGM ANT NN

- BIA platform seca mBCA 555
- BIA handle seca mBCA 545

We reserve the right to make modifications.

6/2025

seca.com/mbca-alpha