

Pediatric Option

Accurate, comfortable and reliable body composition assessment for young children in the BOD POD Gold Standard



- ▶ Validated for infants and young children between 2 and 6 years of age
- ▶ Safe and comfortable testing environment for young children
- ▶ Easy and fast set-up
- ▶ Calibration reference volume included
- ▶ Density model for children provided
- ▶ Ideal for Pediatric Departments, Universities and Research Centers, Longitudinal studies, Clinical Examinations, Nutrition Counseling
- ▶ Available for BOD POD GS-X and BOD POD GS

BOD POD GS and BOD POD GS-X with the Pediatric Option accessory accurately assess the body composition of children as small as 12 kg and between 2 and 6 years of age using Air Displacement Plethysmography (ADP) technology.

The Option accommodates children who are too large for the infant ADP device (PEA POD), but not mature enough to stay in the BOD POD without a dedicated customized seat.

The BOD POD Pediatric Option has been validated as “accurate, precise, reliable, and without bias in estimating %fat in children 2–6 years old”¹.

The Option includes: seat base, seat tray, calibration volume cylinder, and software.

The comfortable ergonomic seat can be fastened to the BOD POD quickly and easily; it has an adjustable tray that allows safe and comfortable tests even for the youngest children.

Both custom seat and tray are adjustable and fit snugly next to the child’s abdomen, ensuring that the subject will not fall or slide out during testing. Because the seat can be easily secured and removed, researchers and doctors can easily test adult and pediatric population on the same day.

Software is included and equipped with customizable densitometric models for children. The intuitive and functional software interface helps operator in carrying out the test and provides complete print reports for quick and easy interpretation.



The Pediatric Option accessory allows for easy body composition assessment of young children.

Technical specifications

Product	Description	REF
BOD POD GS-X Pediatric Option	Gold Standard body composition tracking system for subjects between 2 and 6 years of age (as small as 12 kg)	A-661-230-042
BOD POD GS Pediatric Option	Gold Standard body composition tracking system for subjects between 2 and 6 years of age (as small as 12 kg)	A-661-923-010
Measurements		
Body Composition	Body weight, Body volume, Body density, Body Fat (mass and %), Body Fat-Free (mass and %), Thoracic Gas Volume (TGV)	
Accuracy	Measurements have been found to be equivalent (no statistically significant difference) to those obtained using 4-Compartment Model reference techniques	
Calibration		
Cylinder	20 L	
Software	Available Languages	Compatible with
OMNIA	Italian, English, Spanish, French, German, Portuguese, Greek, Dutch, Turkish, Russian, Chinese (Traditional & Simplified), Korean, Romanian, Polish, Czech, Norwegian, Hebrew (interpretation only)	BOD POD GS-X
BOD POD	English	BOD POD GS



The adjustable tray allows safe and comfortable tests even for the youngest children.

REFERENCES

The paediatric option for Bod Pod to assess body composition in preschool children: What fat-free mass density values should be used? NYSTRÖM CD, et al. *Br J Nutr*, 120(7):797-802 (2018)

(1) Air-displacement plethysmography pediatric option in 2-6 years old using the four compartment model as a criterion method. FIELDS DA, et al. *Obesity*, 20(8):1732-1737 (2012)

Body composition techniques and the four compartment model in children. FIELDS DA, et al. *J Appl Physiol*, 89:613-620 (2000)



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