

Choose the product according to required features and purpose of use.

Call +39 (06) 931-5492 (International) or +1 (773) 645-8113 (US only) for more info

Product Comparison Matrix

			
	Quark PFT	Q-Box	Quark i2m
Tests			
Spirometry			
Forced Vital Capacity (FVC) Pre/Post	●	●	
Slow Vital Capacity (SVC) Pre/Post	●	●	
Maximum Voluntary Ventilation (MVV)	●	●	
Bronchochallenge - Bronchial Dilator/Constrictor test	●	●	
Integrated Dosimeter			
Bronchochallenge with integrated DeVilbiss 646 Nebulizer	○	○	
Body Plethysmography (TGV/RAW)			
Lung Volumes (TGV, TLC, FRC)	○	●	
Airway Resistance (RAW, sRAW)	○	●	
Conductance of Airways (GAW/sGAW)	○	●	
Pre/Post BD for TGV and RAW tests	○	●	
Diffusing Lung Capacity (DLCO)			
Single Breath w/ Breath Hold (DLCO _{sb})	○	○	
Single Breath w/o Breath Hold or "Intrabreath" (DLCO _{ib})	○	○	
Membrane Diffusing Capacity	○	○	
DLCO 3eq (3 equations method)	○	○	
Lung Volumes by DLCO Single Breath dilution	○	○	
Lung Volumes (FRC - Nitrogen Washout)			
Multi-Breath Nitrogen Wash-out	○		
Lung Clearance Index (LCI)	○		
Single-Breath 100 % O ₂ (Closing Volume)	○		
Respiratory Mechanics			
Maximum Inspiratory/Expiratory Pressure (MIP/MEP)	○	●	
Respiratory Drive (PO.1)	○	●	
Forced Oscillation Technique (FOT)			
Total Respiratory System Impedance (Zrs)	○	○	●
Resistance (R) & Reactance (X)	○	○	●
Airway Resistance (R_{oc})			
Respiratory Resistance (R _{int} , R _{oc} , R _{oc} _{EX} , R _{oc} _{IN})	○	○	
Saturimetry			
Integrated Pulse Oximeter (SpO ₂)	○	○	○
Metabolic (CPET/REE)			
Pulmonary Gas Exchange (VO ₂ , VCO ₂ , Anaerobic Threshold)	○		
O ₂ Kinetics (O ₂ deficit, O ₂ debt and time constant)	○		
Indirect Cardiac Output (Wassermann)	○		
Indirect Calorimetry at rest (VO ₂ , VCO ₂ , RQ)	○		
Energy substrate utilization (%FAT, %CHO, %PRO)	○		
Mixing Chamber (7 Liters) ¹	○		
Canopy Hood¹			
Indirect Calorimetry (VO ₂ , VCO ₂ , RQ) with Dilution Technique	○		
Stress Testing ECG¹			
Stress Testing ECG	○		
Resting ECG w/ Interpretation	○		
Full Disclosure ECG Analysis	○		
St Segment, St Slopes, Trends	○		
Arrhythmia Analysis w/stress	○		

● Standard ○ Upgrade ¹ with Metabolic Module only