Resting Metabolic Product Information

REEVUE

REEVUE

Indirect Calorimetry

The REEVUE measures the oxygen that the body consumes. Using this measurement it calculates a patient's Resting Energy Expenditure (REE). This technique is refered to as Indirect Calorimetry and is used for nutritional assessment and medical nutrition therapy.

The REEVUE performs a simple 10 minute breath test. It displays results and provides a printout that is ideal for maintaining records, as well as helping the clinician and patient to understand the results.

The REEVUE is lightweight and portable. It does not require a computer or manual calibration.

The REEVUE provides an accurate method for measuring VO_2 (oxygen consumption) and REE (resting energy expenditure).

Indications For Use

The REEVUE can be used for any patient where a measurement of metabolic rate or oxygen uptake (VO_2) will be useful, including:

-weight management
-nutritional assessment services

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Features

ACCURATE

The REEVUE has been validated against the clinical standard metabolic cart and has demonstrated equivalent accuracy in resting volunteers for both oxygen consumption and resting energy expenditure.

EASY TO USE

When the REEVUE is turned on, it automatically self-calibrates and is ready to use. After the test is completed, results are presented on the display screen and are printed directly to an optional printer. No computer or software is needed to operate the REEVUE.

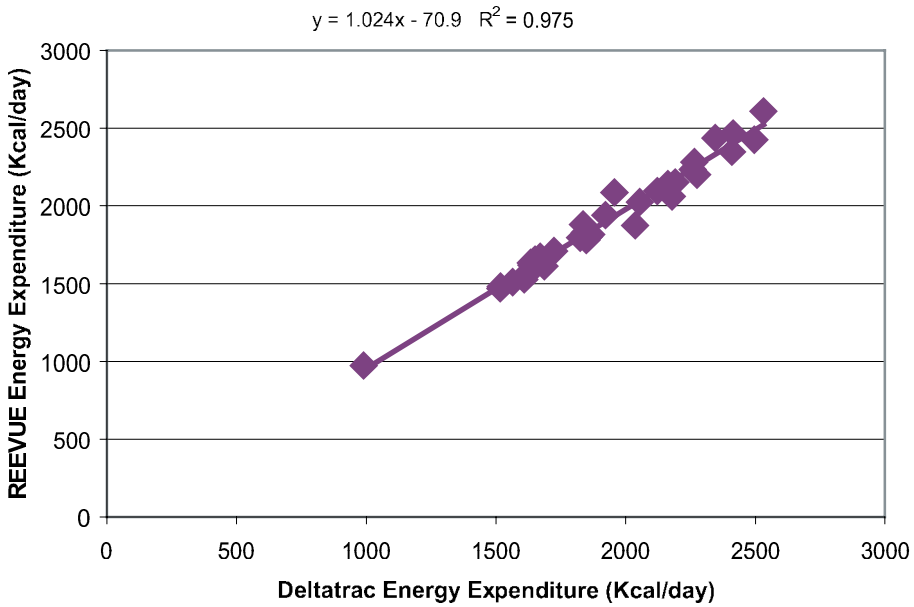
AFFORDABLE

The REEVUE is priced at only a fraction of the cost of a standard metabolic cart.

Clinical Validation of the REEVUE

A study comparing resting energy expenditure (REE) and oxygen consumption (VO_2) measurements reported by the **REEVUE** and by the Deltatrac metabolic cart was done at the University of Utah. This study,which has been submitted for publication, shows very good agreement between the **REEVUE** and the Deltatrac for measurement of both VO_2 and REE.

REEVUE vs. Deltatrac XY Plot, Energy Expenditure



Key Statistics:

Average difference:	24.7 kcal/day (-1.45%)
Standard deviation of difference:	57.1 kcal/day (2.85% of reading)
Correlation:	r^2 = 0.975 (r = 0.987)

REEVUE Specifications

Air Flow Sensor	
Resolution	10 ml / sec
Accuracy	±2% of reading
Flow Range	-40 to 150 LPM
Breathing Rate	5 to 40 breaths/minute
Tidal Volume	200 to 3000 ml
Oxygen Sensor	
Accuracy	±0.2 %O_2
Resolution	0.01 %O_2
Measurement Module	
VO_2 Range	70 to 720 ml/min O2
VO_2 Resolution	1 ml/min O2
Physical Dimensions	
Size (L x W x H)	20x30x10 cm
Weight	5.75 lbs. (2.6kg)
Measurement Time	10 minutes
Operating Environment	
Temperature Range	20º to 60ºC
Barometric Pressure Range	375 to 780 mm/Hg
Relative Humidity Range	10% to 95%non-condensing
Storage Environment	
Temperature Range-	20 to 60 ºC
Barometric Pressure	375 to 795 mm Hg
Relative Humidity	10 to 95% RH non-condensing

Part # / Product Description

9FG0080 - REEVUE Printer Kit
9FG0023 - REEVUE Basic Package
9FG0024 - Box of 20 MetaBreathers
9FG0025 - Box of 100 MetaBreathers

*RMR is calculated using the Weir equation within assumed RQ=0.83. RMR=6.925 x VO2. Weir, J.B. New Methods for Calculating Metabolic Rate with Special Reference to Protein Metabolism. J Physiology, 1949. 109:pages 1-9

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