

History

The measurement results are automatically stored on an SD Card, sent to a PC or transferred to a printer to generate a consultation sheet for further discussion.

Reactance & Resistance

The Reactance Resistance table at the bottom of the page indicates measurements for the impedance flow at each of the multi frequency levels.

- H-L = Hand - Leg
- RL = Right Leg
- LL = Left Leg
- RH = Right Hand
- LH = Left Hand
- L-L = Leg to Leg



TANITA[®]
Monitoring Your Health

Tanita Multi Frequency Body Composition Analyzers are an essential tool in providing personalized consultations and long term assessment.

User friendly

Designed to be used as a stand alone unit allowing clients to take a measurement without assistance thanks to the extra large interactive touch screen display

Clinical Accuracy

Multi Frequency BIA technology allows you to provide a comprehensive analysis of body composition, backed by extensive independent clinical analysis and FDA clearance.

Fast

Full segmental body composition analysis taken in under 30 seconds

Practical

A modular system for convenient transportation. The interlocking system can be set up in under 5 minutes.

TANITA[®] THE STANDARD

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Tanita Multi Frequency
Segmental Body
Composition Analyzers



MC-780U

*Understanding Your
Body Composition Analysis*

Whole Body Analysis

Fat % / Fat Mass

Fat Mass is the weight of fat in your body. Fat % is the proportion of Fat to the total body weight. Body Fat is essential for maintaining body temperature, cushioning joints and protecting internal organs. Yet, too much fat can damage your health. Reducing excess levels of body fat has shown to reduce the risk of certain conditions such as high blood pressure, heart disease, type 2 diabetes and cancer. Too little body fat may lead to irregular periods in women and infertility. Check your body fat results against the desirable healthy ranges shown on your printout.

Fat Free Mass (FFM)

Fat Free Mass is comprised of non-fat components of the human body. Muscle, bone and water are all examples of fat free mass.

Muscle Mass*

The predicted weight of muscle in your body. As you exercise more, your muscle mass increases, which in turn burns more calories. Check your muscle mass rating against the desirable range.

Body Mass Index (BMI)

Body Mass Index is a standardized ratio of weight to height, and is used as a general indicator of health. Your BMI can be calculated by dividing your weight (in kilograms) by the square of your height (in meters)

- <18.5 = Under Weight
- 18.5 – 24.9 = Normal Weight
- 25-29.9 = Overweight
- 30+ = Obese

BMI is a good general indicator for population studies but has serious limitations when used for individual analysis.

Bone Mass*

The predicted weight of bone mineral in your body. It has been proven that increased muscle mass through sport activities promotes stronger healthier bones. Check for significant changes over time.

Basal Metabolic Rate (BMR)*

Basal Metabolic Rate is the daily minimum number of calories your body needs when at total rest. Increasing muscle mass will speed up your metabolic rate. A person with a high BMR can burn more calories at rest than a person with a low BMR.

Check how efficient your body is at burning calories in the Indicator section of your printout

Under = low burn - your body is slow at burning calories

Normal = average burn - your body is efficient at burning calories

More = high burn - your body is highly efficient at burning calories

Visceral Fat Rating*

Visceral fat is located deep in the abdominal area surrounding and protecting the vital organs. Ensuring you have a low level of visceral fat reduces the risk of certain conditions such as heart disease, high blood pressure and type 2 diabetes.

Rating from 1 to 12: Indicates you have a healthy level of visceral fat. Monitor regularly to ensure your rating stays within this range.

Rating from 13 to 59: Indicates you have an excess level of visceral fat. Consider making changes in your lifestyle possibly through diet changes and/or increasing exercise.

Total Body Water % (TBW %)*

Total Body Water Percentage is the total amount of fluid in the body expressed as a % of total weight.

Being well hydrated will help concentration levels, sports performance and general well-being. Drinking 2 liters of fluid a day will ensure good hydration levels.

The average TBW% ranges for a healthy person are:

Female 45 to 60%

Male 50 to 65%

Individuals with a high body fat % may fall below the recommended body water percentage. As body fat is reduced over time the TBW% should gradually improve.

Intra Cellular Water (ICW)*

Intracellular Water is the fluid found inside cells. Usually 40% of your body weight is intracellular water.

Extra Cellular Water (ECW)*

Extracellular Water is the body fluid found outside of cells.

The healthy ratio of Extra Cellular Water and Total Body Water is around 40%. In some cases malnutrition, aging and high fat levels may cause the ratio to be higher than 40%. Athletes tend to have a lower ratio of less than 36%. Continue to monitor this ratio on a regular basis.

Physique Rating*

Physique rating assesses muscle and body fat rating into 9 body types.

As your activity level changes over time the balance of body fat and muscle will gradually alter which in turn will change your overall physique.

Segmental Body Analysis

Segmental Muscle Mass*

The shaded green area indicates the average person. The black line represents your muscle mass distribution.

The muscle mass rating for the trunk, each leg and arm is shown:

Blue = low muscle tone

Green = healthy muscle tone

Orange = high muscle tone

Ideally you should aim for Green or Orange to be healthy.

Segmental Fat Rating*

The shaded green area indicates the average person. The black line represents your fat mass distribution. The fat mass for the trunk, each leg and each arm is shown.

Green = low fat level

Blue = healthy fat level

Orange = high fat level

Ideally you should aim for Green or Blue to remain healthy.

Muscle Mass Balance*

Compares the balance of muscle mass between the left and right side of the body. For both your upper and lower body.



**Available only for Adults 18-99*