



The Noninvasive ZOE[®] Fluid Status Monitor

ZOE[®] is a portable, noninvasive, Class II device that measures fluid status via bioimpedance (Zo). ZOE[®] reports the time it takes a low frequency current to travel between two sensors, indicating fluid level.

Fluid decreases electrical resistance (impedance), and dry environments increase electrical resistance (impedance). Consequently, the more fluid in the body, the less resistance, and the lower the Zo measurement; the dryer the body, the higher the Zo number displayed on ZOE[®].

The device is intended for use by qualified health care practitioners, under the direction of a physician, for the noninvasive monitoring and



Home care patient using ZOE[®]

management of patients with fluid management problems in a variety of medically accepted clinical settings. It can be used in homes, stand alone and on-site clinics,

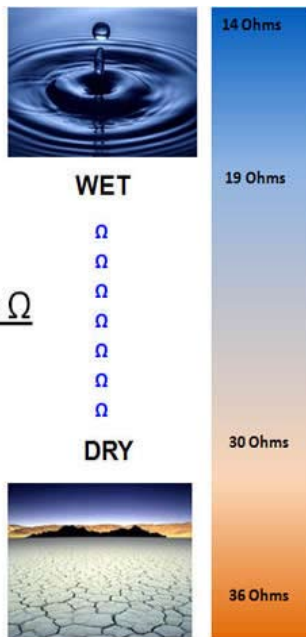
ZOE[®] FDA Approved

ZOE[®] is FDA approved for monitoring individuals who are:

- Living with heart failure.
- Living with end-stage renal disease.
- Recovering from a coronary artery disease related event.
- Experiencing fluid management problems.
- Taking diuretic medication.
- Suffering from recurrent dehydration.

medical offices and nursing homes. The ZOE[®] can be integrated with remote telemonitoring management systems and communication technology.

The Zo Range



A 2 ohm decrease from the person's baseline Zo within 24 hours dictates immediate notification of a medical professional.

What is Zo?

Zo is an objective measure of fluid in the thoracic cavity. Zo refers to "Z naught" or base resistance measured in ohms – Ω. Zo has been measured for years in cardioplethsmograph technology such as NMT's IQ[®] Noninvasive

Hemodynamic Monitor. The IQ[®] was FDA approved to measure Zo in 1994. Normal Zo in human subjects has been determined to range from 19-30 ohms. Less than 19 ohms indicates that the person may be overhydrated and Zo greater than 30 indicates

that the person is becoming dehydrated.

Research studies indicate that Zo is not only a sensitive measure of fluid status, but that the percentage of change from an individual's baseline indicates the degree of severity related to the change.

Zo—Early Predictor of Fluid Congestion

ZOE[®] provides objective data for the early intervention of heart failure, dyspnea, hypertension, and other critical events related to

hemodynamic status. Research indicates that Zo is an early prediction of congestion in heart failure, showing

decreases as early as two weeks prior to the typical symptoms of weight gain, edema and shortness of breath.

Patient & Physician Benefits of Using ZOE®

Patient Benefits

- Decreased emergency room visits and rehospitalizations.
- Objective fluid status monitoring provides security.
- Early interventions prevent acute symptoms.
- Higher awareness and understanding of disease process and treatment.
- Promotes active participation in self-care.



Physician Benefits

- Decreases need for invasive studies.
- Predictive monitoring improves clinical outcomes.
- Informed decision-making with objective clinical data.
- Provides data to support further diagnostic studies.
- Enhances physician-patient relationship.

ZOE® Accessories Needed

A new **ZOE® Kit** includes: The ZOE® Monitor, power cord, User Guide with instructional DVD, two sets of electrodes and one patient cable.

ZOE® Electrodes – ZOE® is FDA approved for use with ZOE® electrodes only. Zo readings obtained from unapproved electrodes may not be accurate. A set of disposable, one time use, electrodes are needed for each monitoring event.



ZOE® Patient Cable – Always make sure you have an extra cable available in case one is damaged.

ZOE® Power Cord – ZOE® is powered by either four AA batteries or a ZOE® power cord.

NMT 2008 Innovation Award Winner

The 2008 Frost & Sullivan North American Healthcare Innovation Award in Remote Patient Monitoring was presented to Noninvasive Medical Technologies Inc. (NMT), “in recognition of its superior innovation and vision in patient monitoring with its line of unique monitoring solutions,” which includes the ZOE®.

The award emphasized that “NMT’s distinctive technology is on the cutting edge of remote monitoring.”

Contact NMT Now

If you would like to place an order for a new ZOE® or request more information, please call Nancy Lang toll free at 866.214.5645 or e-mail nlang@nmtinc.org.

If you are a current ZOE® user and need a new supply of electrodes, cables, or cords, please call Laura Dolajak toll free at 888.466.8552 or e-mail ldolajak@nmtinc.org.

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NMT Mission Statement

To save lives by continually advancing the standard for noninvasive patient monitoring across the care continuum, while maximizing clinical, medical, and financial outcomes, and promoting scientific innovation.