

## *The* Tube-Dowser

*-Non-invasively measure the hydration level in your storage tubes.*

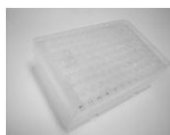
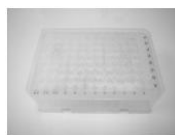
### Key Features

- ◆ Completely non-invasive measurement technology.
- ◆ Accurate to within 1% of hydration level of DMSO.
- ◆ Measures a variety of tube styles.
- ◆ Decapping not required.
- ◆ Single channel tube reading.
- ◆ Easily adaptable to existing tube handling systems.



### Increase Productivity

Have you ever wondered about the quality of your compounds stored in tubes? Tired of wasting precious resources, time and money from plating and testing destabilized compounds due to water hydration? Did you know you can easily measure the hydration of the DMSO inside standard storage tubes to within 1% of accuracy without disturbing the contents or even decapping the tube? With the EDC Biosystems Tube-Dowser you can increase the productivity of your laboratory by making every screening campaign or validation assay count beginning at the source. -Enabling technology that works like magic! (Dowsing lessons not required.)



From the makers of ATS-100  
Acoustic Transfer Systems

## Experience Confidence

Utilizing a proprietary measurement technique developed at EDC Biosystems, the Tube-Dowser can look into a variety of standard polypropylene storage tube styles and determine the water content of the DMSO contained within. The Tube-Dowser is both powered and communicated through a single USB connection and is designed to be a plug-and-play addition into any PC-based automated system. Its compact size also makes it easy to fit onto the platform of even pre-existing robotic systems and can immediately add new functionality and value to any handling device that can isolate and position a storage tube. Add the latest technology in DMSO hydration measurement into your compound tube management system and experience confidence in the quality of your assays like never before.

### Specifications

- ◆ Solvent Type: DMSO
- ◆ Solvent Concentration Measurement Range: 70% - 100% (Other ranges programmable)
- ◆ Accuracy:  $\pm 1\%$
- ◆ Precision:  $< 1\%$
- ◆ Measurement Time:  $< 50\text{ms}$
- ◆ Operating Temperature:  $10 - 45^\circ\text{C}$
- ◆ Tube Diameter: 8.5mm max OD
- ◆ Tube Material: Polypropylene

### Facilities & Dimensions

- ◆ Power Requirements: 5VDC,  $< 1\text{W}$
- ◆ Interface: USB
- ◆ Size: 11.5 cm W x 9.0 cm D x 5.5 cm H
- ◆ Weight: 0.4 Kg



*Simple to use, Cost-Effective,  
Compact, Adaptable, Enabling.*

## No More “Garbage-In-Garbage-Out”

By the time any data can be obtained on the effectiveness of a compound, countless process steps have already been performed that take up time, energy, and other valuable resources. With so much expense on the line before a screening operation, it is essential to start with trustworthy materials or at very least, know their exact status. The EDC Biosystems Tube-Dowser can accurately and precisely measure each tube individually and determine the hydration level of the DMSO solvent to help you gain control over the single greatest threat to the quality of your compounds stored in tubes. Place the EDC Biosystems’ Tube-Dowser in your compound storage and management system and start your campaigns with quality materials every time. Make discoveries. Stop validating old proverbs.

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