

# Basement Health Kit

## Radon Gas Test Kit

### Alpha Track

The Alpha Track AT-100 radon monitor is a diffusion-based track detector originally designed in 1986. The current improved design filters out dust and radon progeny through a structural filter that is an integral part of the housing, resulting in increased sturdiness. The housing is injection molded from electrically conducting plastic in order to minimize electrical charge effects from the positively charged radon progeny generated inside the detector. The hemispherical base is designed to maximize sensitivity and create a more uniform track distribution for better counting statistics.



The track detector foil inside the housing is from dosimetry-grade CR-39 cast for AccuStar Labs. The sheets of CR-39 are laser cut and engraved with a unique batch number. Each batch is calibrated and receives its own calibration factor. All sheets are also checked for background tracks.

Each detector is given a unique bar coded number and sealed inside an air-tight pouch. The unique Nu-Clear pouch is transparent, which prevents any labeling errors from occurring.

AccuStar Labs remains the only laboratory in the United States to use electrochemical etching to process its alpha track foils which are subsequently counted with computer-aided image analysis equipment. This kind of system was found superior to chemically etched alpha track radon detectors in an article comparing radon detection methods by John Matuszek of the New York State Department of Health (J.M. Matuszek, et al., "Standardization of Radon Measurements", Environmental International, December 1988).

All detector foils are counted using a computer-aided image analysis system. The automated equipment is quite reproducible; rereads of the same group of foils have a mean within 2% of the original mean and coefficient of variation of 5%. Large numbers of tracks can be counted, thus improving range and precision. The detector has an uncertainty of only 12% with a three-month 4 pCi/l exposure. The lower limit of detection is 0.4 pCi/l.

### AT-100 Specifications

- Rugged structural filter for both indoor and outdoor use
- Twin removable serial labels, human and bar code readable
- Electrochemical etching for better track resolution
- Clear direct read pouch reduces serial errors
- Large foil area counted for better statistics (over 40 square mm)
- Hemispherical housing base for better track distribution
- Electrically conducting housing reduces charge effects and clustering

# HYGIENICaire™

"Made with genuine Tea Tree Oil"

Research has shown that mold and fungi is the primary cause of Chronic Sinusitis.

**HygienicAire™** is part of a Mold (Fungi) Reduction Protocol. Fungal sinusitis is nearly always the result of breathing in mold spores at home, work or in your car. Even the most aggressive attempts to eliminate mold at its source often achieve just short-term success. Now mold, mildew and other biological agents can be dramatically reduced inexpensively by using the **HygienicAire™**.

The **HygienicAire™** vapors dispense a botanical cleansing agent throughout a room to effectively reduce mold, mildew and other harmful contaminants that you would otherwise inhale. By silently distributing an odorless cleanser, it quickly and effectively reduces mold throughout your home. Used in your bedroom, bathroom, or kitchen, the unit should treat 200 square feet. Larger size units can be placed in your forced air, **HVAC** system, or a **Poogie™** in your car, too. Using all natural, hypoallergenic ingredients this proprietary, plant-based formulation can bring relief to even the most sensitive populations. People suffering from Environmental Illness (EI) or Multiple Chemical Sensitivities (MCS) have found that this product will replace many of the traditional air treatment products currently available.

The EasyPlace™ unit should last 60 - 90 days when used in a open room and 30 - 45 days when used in your **HVAC** system.

"Helps Eliminate Mold and Mildew!"

**HYGIENICaire™**  
"Made with genuine Tea Tree Oil"

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## EasyPlace™



**Easy Place™**  
with Wall Hanger

Product Code 4514111

14 oz.

## EasyPlace™

Helps you to be

- **Mold-Free**
- **Mildew-Free**
- **Cold-Free**
- **Flu-Free**
- **Smoke Odor Free**

***The Natural Way!***