



## **SHORT TERM RADON TEST KIT FOR RADON IN AIR**

### **LARGE PROJECT VERSION**

#### **INSTRUCTIONS**

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The AccuStar Charcoal Liquid Scintillation (CLS) test is used to test for radon in air for 48 to 96 hours (2 to 4 days).

It includes:

- Instructions and Datasheet
- CLS vials.

**DO NOT OPEN THE CLS VIAL UNTIL YOU ARE READY TO TEST.**

### **1. Choose the Rooms to Test**

Health Canada recommends you test the lowest level of the building, with ground contact, that is frequently used. Test in a room used for living space, or as a classroom, an office, laboratory, a cafeteria, a library, a gymnasium or an auditorium. Do not test in a kitchen, a laundry area, a bathroom, a crawl space, a furnace room, a hallway, an elevator shaft, a stairwell or a closet.

Quality Control Measurements: You will need to place an additional 15% of the total number of vials for quality assurance measurements. Ten percent (10%) of the total tests are duplicate tests. To perform a duplicate test, open and place two devices side by side, 4 in (10 cm) apart. Five percent (5%) of the total tests are blank tests. To perform a blank test, place the device in a testing area but do not open it.

Write all Device Numbers and matching building information, including the rooms you have tested on the datasheet.

Establish closed building conditions for 12 hours prior to starting the test, and maintain them for the test period.

### **2. Start the Radon Test**

- a. Start your test before the expiration date shown on the device or the test results will be invalid.
- b. When you are ready to start the test, unscrew and remove the plastic cap. Save the plastic cap. As soon as you have opened the device the test has begun.  
*- Reminder: for a blank test, do not open the device.*
- c. Write the test Start Date/Time on the datasheet.

### **3. Place the Radon Devices**

The preferred dosimeter location is by an interior wall at a height of 0.8 m to 2 m (3 to 6.5 ft) from the floor in the typical breathing zone, however, at least 50 cm (20 in) from the ceiling and 20 cm (8 in) from other objects so as to allow normal airflow around the dosimeter. Dosimeter should be placed approximately 40 cm (16 in) from an interior wall or approximately 50 cm (20 in) from an exterior wall.

For schools, the preferred dosimeter location is by an interior wall at a height above the reach of most pupils: 2.5 to 3 m (8 to 10 ft) from the floor, however, at least 50 cm (20 in) from the ceiling and more than 20 cm (8 in) from other objects.

You can hang or place the dosimeter face up. Leave each device in place and undisturbed for at least 48 hours and no more than 96 hours. Exposures that are outside these times will cause invalid results and you will need to retest.

#### **4. End the Radon Test**

After 48 hours, replace the plastic cap. Write the test Stop Date/Time and other required information on the Datasheet.

#### **5. Return the Devices with Datasheets to the Laboratory Promptly**

Make sure the datasheet is complete and keep a copy. Place up to 10 devices together with the matching datasheet in a plastic “Ziplock” bag. Send the bagged devices and datasheets to the lab.

AccuStar Labs USA must receive the test devices within 8 days after you have completed the test otherwise the test results will be invalid. Plan ahead and use a calendar. The laboratory must receive the device within 8 days from the end date. Tip, have the testing end on a Monday and mail immediately.

Test devices must be sent directly to the laboratory of AccuStar Labs located in Massachusetts, USA and NOT to AccuStarCanada.com.

AccuStarCanada.com offers a discounted prepaid, preaddressed shipping label with all the customs documents required for quick clearance, in order to ensure the adequate completion of your radon test. Contact us through [www.accustarcanada.com](http://www.accustarcanada.com) or call us at 1-855-85RADON to request a custom quote.

If you prefer not to use our Canadian return shipping service, you must send your test devices directly to:

AccuStar Labs, 2 Saber Way, Ward Hill, MA, 01835-8000, USA

#### **INFORMATION ABOUT TEST REPORTS**

AccuStar typically sends reports via email the next business day after we receive your devices. You may access your test results on our website [www.accustarcanada.com](http://www.accustarcanada.com).

AccuStarCanada.com can create custom reports based on your requirements. Contact us before starting the test to allow us to setup a dedicated database.

If information is missing from the Data Sheet or you need to make a change to your Report, you may request an Amended Report. You must request an Amended Report and provide new or changed information in writing, by mail, email or fax.\* No oral information will be accepted. AccuStar will issue the Amended Report within 5 business days after we receive your request.

\* AccuStar Labs, 2 Saber Way, Ward Hill, MA, 01835-8000, USA  
Fax: 508-533-8831      Email: [radonlab@accustarlabs.com](mailto:radonlab@accustarlabs.com)

AccuStar can issue a Same-Day Amended Report for a fee of \$20.00 per report. To issue a Same-Day Amended Report we must receive, in writing, any changed or new test information, and payment by credit card before Noon (Eastern standard time).

Feel free to call us at 1-855-85RADON with any questions you may have. Our business hours are 8:30 a.m. to 5:00 p.m. (Eastern standard time), Monday to Friday.

Thank you for choosing AccuStar.