

Radon measurement instruction sheet



IMPORTANT



- The Quebec Lung Association sells long-term radon detectors and is committed to providing a quality product.
- AFTER PURCHASE, WE ARE NOT RESPONSIBLE FOR ANY LOSS OR DAMAGE CAUSED TO THE RADON DETECTOR BY ITS USER, THE POST OR THE LABORATORY.
- Please read the instructions carefully before starting the test.
- Do not open the sealed transparent bag until you are ready to test.
- Start your test **before the expiration date** written on the detector otherwise the results will be invalid.
- Do not remove the sticker «**VOID if opened**» and **do not open the detector** otherwise the results will be invalid.

IDEAL TIME TO TAKE A RADON MEASUREMENT

Radon levels in home can vary significantly during the same day and even more from season to season. They are generally higher during the heating season, due to the restricted ventilation of the home and also because of the temperature difference between the indoor and outdoor air which tends to pull more radon gas inside.



The best time to conduct a radon test is during the heating season from **November to April**.

If you performed a radon test outside of the heating season, it is recommended to leave the radon detector in place for 12 months to obtain a more accurate indication of the annual average radon concentration.

CHOOSE THE ROOM TO TEST

Radon accumulates mainly in room at the lower floors of the house. The radon measuring device should be placed in the lowest lived-in level of the home, occupied by you or a family member during a minimum of 4 hours per day:

- If the basement has finished rooms, such as a bedroom, playroom, or family room, place the device in the area where you spend more than four hours per day.
- If the basement does not have a work area, play, or rest area occupied for more than four hours per day, perform the test in a regularly occupied room.

INSTALL THE RADON DETECTOR

The ideal location for installing the detector is at a distance of:



- 40 cm (16 in) from an interior wall or 50 cm (20 in) from an exterior wall.
- Between 0.8 m and 2 m (3ft to 6,5 ft) from the floor.
- More than 50 cm (20 in) from the ceiling and 20 cm (8 in) from other objects.
- At least 1.5 m to 3 m (5 to 10 feet) from drafts (hot or cold) caused by heating, ventilation, and air conditioning vents (ex: doors, fans, windows, heaters, fireplaces, wood stoves, etc)

The purpose of these regulations is to ensure normal air circulation around the detector.

Do not install the detector in a kitchen, laundry area, bathroom, closet, wardrobe, sump, crawl space or recess in the foundation.

Do not install the detector near electrical equipments, televisions, stereos, speakers, or in direct sunlight.

The position in which you place the detector does not matter; it can be placed on the wide or narrow base part and can also be placed on a shelf, a tablet, or a coffee table. To make sure that the detector does not move, you can use clean and reusable adhesive (poster putty) to fix the device to a surface. The detector can also be suspended from the ceiling.

BEGIN THE RADON MEASUREMENT TEST

When you are ready to begin the test, open the transparent bag containing the radon detector by cutting or tearing it and remove the device from the bag. The detector becomes active and begins to measure as soon as the bag is opened.

Do not remove the sticker « **VOID if opened** » and **do not open** the detector otherwise the results will be invalid.

Do not use the sticker on the detector; he is reserved for the laboratory.

Copy the serial number of the detector for your records and also write it down on the « *Data Radon Test sheet for the laboratory result analysis* ».

Write down the test start date on the « *Data Radon Test sheet for the laboratory result analysis* ».

Indicate the location of the test on the « *Data Radon Test sheet for the laboratory result analysis* ».

Remember to keep the return lab envelope that came with your testing kit.

WAIT



Leave the radon detector in place and undisturbed for **at least 3 months and up to 12 months**.

END THE TEST



When you decide to stop the test, insert the detector in a « Ziploc » style bag and **write the end date of the test** on the « *Data Radon Test sheet for the laboratory result analysis* ». Complete all other information requested on the same sheet.

If you forget to indicate the start and end date, the lab will not be able to give you a result.

RETURN THE RADON DETECTOR TO THE LABORATORY AccuStar



Send the detector and the « *Data Radon Test sheet for the laboratory result analysis* » using the return envelope provided to you. Seal the envelope and ask the nearest postal office to ship it. *

Once it is put in the « Ziploc » bag, do not wait more than **30 days** before sending the detector to the laboratory.

* It is recommended to use the trackable package option to ship your radon detector. The tracking code allows the package to be tracked in the event of a problem.

RESULTS

It can take 5 to 10 days before the shipping arrives to the laboratory and you can expect to receive your test result approximately 1 month after reception.



If you provide your email address, a copy of your report will be sent to you only by email, not by mail. In this case, please ensure that your email is clearly indicated and check your junk mailbox regularly as it happens that the report is there.

By ticking the appropriate box at the end of the « *Data Radon Test sheet for the laboratory result analysis* » your results will be confidentially shared with Health Canada and the MSSS for statistical purposes. Your results will be strictly confidential and will help to build a better understanding of the radon distribution in Quebec. In any case, it will not result in a depreciation of your home's value.

RADON MITIGATION

If your radon level exceeds the recommended limit of 200Bq/m³, please consult the website of the Association pulmonaire du Québec or Health Canada at:

<https://poumonquebec.ca/en/lung-health/environment/radon/>

<https://www.canada.ca/en/health-canada/services/health-risks-safety/radiation/radon.html>

QUESTIONS ?

You can reach the Association pulmonaire du Québec phone line for any questions about radon or lung health at 1-888-POUMON9 (768-6669). You can also visit the radon section of our website.