

Leak Test Instructions

A step-by-step guide to safe, compliant leak testing of sealed radioactive sources.

Sealed radioactive sources must be leak tested on a routine schedule to confirm they remain intact and are not releasing radioactive material. The **NRC and Agreement State programs** require this testing to keep your license in good standing and to protect your team and the public. This guide walks you through completing a Gammatron wipe-test kit.

HOW TO COMPLETE YOUR LEAK TEST

1

Gather your materials

Before you begin, assemble everything you'll need:

- Your **Gammatron leak test kit** — swab, alcohol prep pad, return envelope, and kit number
- The **leak test documentation form** included with your kit
- Disposable **gloves** and standard PPE
- **Dosimetry**, if required by your license

2

Identify the source

On the documentation form, record the source details:

- Source **serial number** and **isotope**
- Source **activity** and **manufacture date**
- The **equipment or device ID**, if the source is installed in a device

3

Perform the wipe test

- Remove the swab from its clear bag and **moisten it with the alcohol prep pad**.
- Thoroughly wipe the **accessible surface of the source** — or the housing area nearest the capsule, or an adjacent accessible area, as appropriate.
- Return the swab to the clear bag **without touching the exterior**, and seal the bag.
- If a radiation monitor is available, survey the wipe.

! If readings exceed **twice background**, stop and contact Gammatron immediately. Always consult the manufacturer's documentation for the correct wipe location and safety precautions.

4

Package and return

- Complete the **leak test documentation form**.
- Place the sealed bag and the form in the **return envelope** and seal it.
- Mail it back using any preferred courier — **multiple kits** may be returned in one envelope.

RESULTS & TURNAROUND

48 Hours

Typical evaluation time from receipt

Emailed

Results sent as soon as testing is complete

Client Portal

Certificates & audit-ready reports on demand

Questions about your kit, your schedule, or a result? Call **(713) 641-3640** or email **contact@gammatron.com** — our team is happy to help.