

Galli RD

- ☐ Training, testing and teaching
- ☒ Preclinical applications
- ☐ Clinical applications

- ☐ Simplify your practice
- ☐ Make it easier for patients management
- ☒ Encourage the development of new radiopharmaceuticals

Galli RD is a $^{68}\text{Ge}/^{68}\text{Ga}$ research generator dedicated to preclinical activities, i.e. early development stages **before human trials**.

This generator is inspired by the principles of use of $^{99\text{m}}\text{Tc}$ generators. The eluate of the generator - gallium chloride solution (^{68}Ga) - is used for in vitro radiolabeling of different kits of radiopharmaceutical preparations developed for positron emission tomography (PET) imaging.

To encourage research and development of radiopharmaceuticals, IRE ELiT proposes this generator to all research players such as hospitals, university laboratories, research centers and health industry.

Galli RD is not authorized for human use.

AVAILABLE ACTIVITIES

From 10 mCi to 20 mCi

Other activities available on request



Galli RD is suitable for **manual** use (without any synthesis module, with a vacuum vial/peristaltic pump) or **automatic** use (with a synthesis module):

Galli RD is compatible with all synthesis modules available on the market.

SPECIFICATIONS

- **Chemical form:** $^{68}\text{GaCl}_3$
- **Non sterile eluent:** HCl 0,1 M
- **Elution volume:** 1,1 mL
- **Elution yield:** > 50 %
- **Breakthrough:** <0.001 %
- **Elution time:** 5 min
- **Shelf life:** 200 elutions or 1 year
- **Shielding:** equivalent to 50 mm lead thickness
- **Radiation dose:** the average surface or contact radiation for the ($^{68}\text{Ge}/^{68}\text{Ga}$) radionuclide generator is less than 0.054 $\mu\text{Sv/h}$ per MBq of ^{68}Ge .
For example, a 1.85 GBq generator will reach a maximum average surface dose rate of 100 $\mu\text{Sv/h}$.
- **Weight:** 16,5 kg
- **Dimensions (W*D*H):** 220 mm*210 mm*230 mm
With its integrated bag containing the eluent,
Galli RD does not require to consider any additional size and external volume.

INCLUDED SERVICES

- Free dismantling of the expired generators
- Technical assistance

AVAILABLE ACCESSORIES

Galli Demo: a demonstration device with **no activity** available to our users before starting their preclinical or clinical activities.

Galli Cap: an actuator to place on top of IRE ELiT's $^{68}\text{Ge}/^{68}\text{Ga}$ generators that allows, thanks to its control box, the automatic remote activation of the on/off button, the counting and the display of the number of elutions carried out since the first use of the generator.

Galli Mov: a mobile rolling support dedicated to IRE ELiT's $^{68}\text{Ge}/^{68}\text{Ga}$ generators, tightly fitting to the generator base and allowing it to be moved in a hotcell without having to lift it.

PRACTICAL INFORMATION

- **Delivery time:** 8 weeks
- **Information:** radiopharmaceutical@ire-elit.eu