

# Specifications Summary

GENERATOR	
Chemical Form	$^{68}\text{GaCl}_3$
Activity	20-30-40-50 mCi 0.74- 1.11-1.48-1.85 GBq.
Eluent	Sterile 0.1 M HCl
Elution volume	1.1 mL
Elution time	3 min
Elution yield	> 67% at release -> 55% end of life
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 $^{68}\text{Ge}$ . For example, a 1.85 GBq generator will reach a maximum average surface dose rate of 100 $\mu\text{Sv/h}$
Shelf life	450 elutions or 1 year
Dimensions (W*D*H)	220 mm * 210mm * 230 mm
Weight	16,5 kg

ELUATE	
Breakthrough	Throughout the generator's life < 0.001%
Chemical purity Al, Cu, Fe, Ni, Pb, Zn, Ga	$\leq 10 \mu\text{g} / \text{GBq}$
pH	<2
Endotoxin	< 0,5 EU/mL
Microbiological quality	Sterile
Half-life	About 68 min

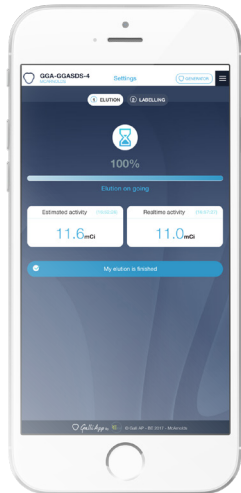
## Premium service

We offer you the best service, with:

- > a free dismantling of the expired generators
- > a technical assistance and expertise to support you at any time
- > an innovative app, Galli App, for Android or iOS devices, to track your generator settings



Galli App



## An established experience worldwide!



Galli Eo

IRE ELIT is a Belgian innovative radiopharmaceutical company that develops, produces and commercializes simple and premium solutions for Nuclear Medicine. IRE ELIT places quality, reliability and services at the center of its concerns to secure the supply and easy use for its customers worldwide.

## Feel free to contact our team!

www.ire.eu **IRE ELIT**

Galli Eo

## HOW TO DO PET AS SIMPLY AS SPECT

0.74 to 1.85 GBq,  
 $^{68}\text{Ga}$  radionuclide generator



For a...



RELIABLE



OPTIMIZED



SIMPLIFIED



COST EFFECTIVE

...practice

Galli Eo

www.ire.eu

## A simple and innovative PET imaging solution

IRE ELiT has developed a new generation of  $^{68}\text{Ga}$  generator as similar as possible to  $^{99\text{m}}\text{Tc}$  generator, specifically designed for kit-based method.

Galli Eo for in vitro radiolabeling of specific vector molecules developed for  $^{68}\text{Ga}$  diagnostic imaging with positron emission tomography (PET).

0.74 to 1.85 GBq,  
 $^{68}\text{Ga}$  radionuclide generator

Specifically designed for **COLD KITS** reconstitution (radiopharmaceutical kits)

1. An innovative elution mechanism delivering a very small and fixed elution volume: 1.1 mL of a Gallium ( $^{68}\text{Ga}$ ) chloride solution for radiolabeling
2. A unique chromatographic dry-type column on which the Germanium-68 ( $^{68}\text{Ge}$ ) is adsorbed
3. A "ready to use" system integrating the pre-connected eluent bag inside the generator

An innovative elution mechanism delivering a very small and fixed elution volume: 1.1 mL of a Gallium ( $^{68}\text{Ga}$ ) chloride solution for radiolabeling

### Features:

- > The lowest elution volume of the market (at least 3 times lower): 1,1mL
- > The eluate is obtained directly with an evacuated vial or connected to a synthesis module
- > Compliant with European Pharmacopoeia specifications



RELIABLE



OPTIMIZED

### Benefits:

- > A high radioactive concentration of the eluate
- > No need for fractionation step of the eluate
- > The eluate is easy to buffer, less acidity to neutralize

A unique chromatographic dry-type column on which the Germanium-68 ( $^{68}\text{Ge}$ ) is adsorbed

### Features:

- > A very pure inorganic material
- > A dry-type column
- > A shielded column



RELIABLE



SIMPLIFIED



OPTIMIZED

### Benefits:

- > Reduction of the risk of impurities in the eluate thanks to the low breakthrough and the low level of metallic impurities
- > Purification step of the eluate is not necessary for radiolabeling and no cleaning elution has to be performed up to 3 days out of utilization
- > Protection of the operators (shielding: equivalent to 50 mm of lead, for a 50 mCi average dose rate at contact: <100μSv / h, and <2.5μSv / h at 1m)

A "ready to use" system integrating the pre-connected eluent bag inside the generator

### Features:

- > Pre-connected sterile eluent
- > 450 elutions available for radiolabeling
- > 12 months shelf life



RELIABLE



SIMPLIFIED



COST EFFECTIVE

### Benefits:

- > Sterility guaranteed over 12 months
- > Stability of specifications over time (specifically for breakthrough and yield)
- > Highest number of elutions
- > No additional cost (eluent, consumables...)
- > Minimized risk of microbiological contamination and misuse