



Galli Eo

$^{68}\text{Ge} / ^{68}\text{Ga}$ GENERATOR*

HOW TO DO PET
AS SIMPLY AS SPECT ?

EXCELLENCE DEDICATED
TO NUCLEAR MEDICINE,
HEALTHCARE & ENVIRONMENT



* In the European Union, Galli Eo® is **chemical grade** dedicated for research and laboratory use only. It is not intended to be used in human.

WHAT IS Galli Eo



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

-  **SIMPLE**
-  **RAPID**
-  **COST EFFECTIVE**



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SERVICES THAT FIT WITH GALLI EO®

50
↑
20

ACTIVITIES
FROM 20 mCi
TO 50 mCi

12

LEAD TIME
12 WEEKS
MAX.



ELUTION
ACCESSORIES
AVAILABLE ON
DEMAND



FREE
RECOVERY
OF EXPIRED
GENERATORS
BY IRE ELiT



A DYNAMIC TEAM:
RADIOPHARMACEUTICAL@IRE-ELIT.EU

HOW TO DO PET AS SIMPLY AS SPECT ?

DESIGNED FOR KIT FORM COMPOUNDS

LOW & REPRODUCIBLE
ELUTION VOLUME 1,1 ml

INTEGRATED
HCl 0,1 M
ELUENT

ORIGINAL
STATIONARY
PHASE



Eluate complying
with The Ph. Eur.
Monograph #2464
Gallium (^{68}Ga)
Chloride Solution for
Radiolabeling



HIGH RADIOACTIVE CONCENTRATION OF THE ELUATE



NO PRE-PURIFICATION / FRACTIONATION
METHOD NEEDED



EASY TO BUFFER



NO NEED FOR CLEANING ELUTION AFTER WEEK-END



STERILITY GUARANTEED



EXTENDED NUMBER OF ELUTIONS WITH LONG SHELF LIFE:
450 ELUTIONS / 1 YEAR



ELUTABLE WITH AN EVACUATED VIAL
OR CONNECTED TO AN AUTOMATIC MODULE



ELUTION IN LESS THAN 3 MINUTES



"TABLE TOP" USE: REQUIRES MINIMAL INFRASTRUCTURE

1

ORIGINAL STATIONARY PHASE

LOW BREAKTHROUGH

<0.001% (test as defined by The Ph. Eur. Monograph). Users report a breakthrough **10 to 100 lower** than Eur. Pharm. Spec.

METALLIC IMPURITIES CONTROLLED

Metal	Eluate ICP analysis (ppm)	Next eluate 5 days later ICP analysis (ppm)	in µg/GBq	Eur. Pharm. Limits (µg/GBq)
Al	0.1	0.5	0.65	
Cu	0.01	0.02	0.03	
Fe	0.13	0.15	0.2	10
Ni	0.01	0.03	0.04	
Pb	0.02	0.05	0.07	
Zn	0.03	0.07	0.09	10
Ga	0.05	0.05	0.07	

Experimental data

No need for cleaning elution after week-end & No prepurification / fractionation method



MORE ELUTED ACTIVITY

REDUCED LONG HALF-LIFE WASTE



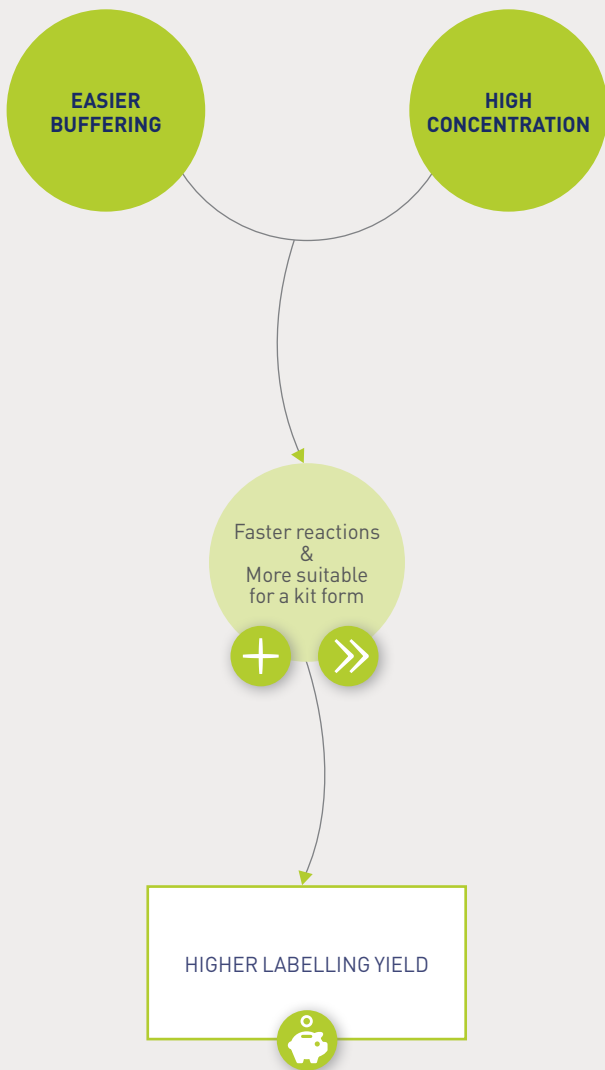
+ SIMPLE

>> RAPID

🐷 COST EFFECTIVE



LOW AND REPRODUCIBLE ELUTION VOLUME 1,1 ml



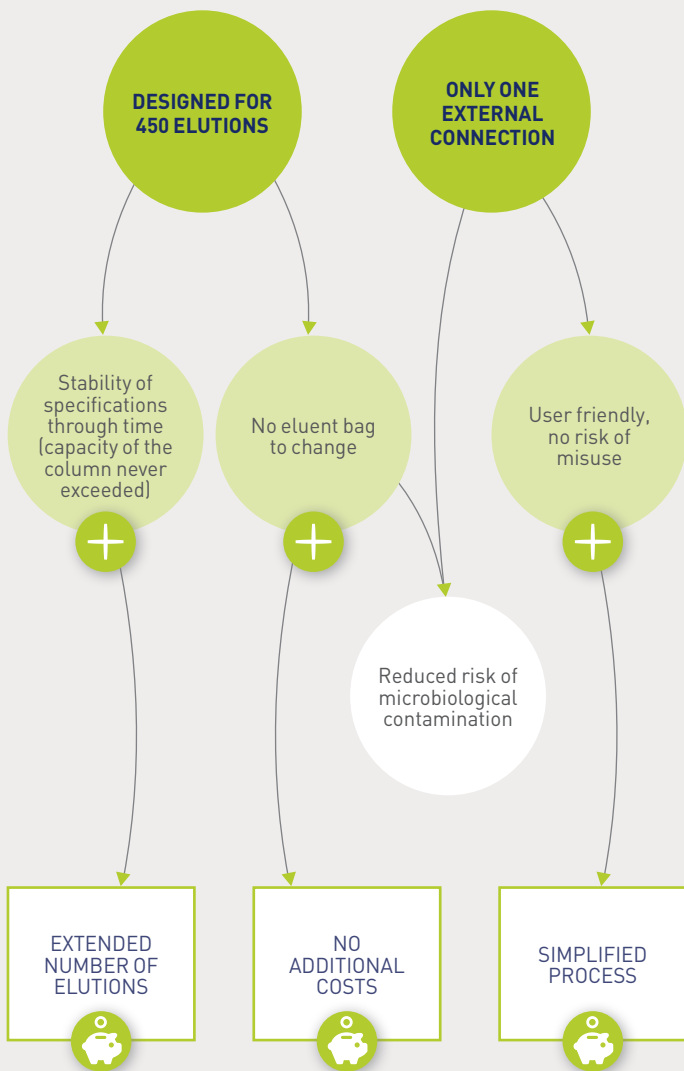
+ SIMPLE

>> RAPID

🐷 COST EFFECTIVE



INTEGRATED HCl 0,1 M ELUENT



 SIMPLE

 COST EFFECTIVE

PRODUCT DATA SHEET

Quick overview	
Chemical Form	$^{68}\text{GaCl}_3$
Activity	20-50 mCi
Eluent	Sterile 0.1 M HCl
Yield	> 67% at release
Breakthrough	< 0.001%
Elution time (with vaccum vial)	3 min
Shielding	Equivalent to 50 mm lead thickness
Shelf life	450 elutions /1 year

Test Parameters	Specifications
Appearance of solution - Clarity - Colouration	Clear Colourless
Gamma-ray spectrometry	Principal gamma photons with energies of 0.511 MeV and 1.077 MeV
Half-life	62 to 74 minutes
pH	≤ 2
Chemical purity: Al, Cu, Fe, Ni, Pb, Zn, Ga	$\leq 10 \mu\text{g}/\text{GBq}$
Radionuclidic purity — Gamma-ray spectrometry	Peaks in the gamma-ray spectrum corresponding to photons with an energy different from 0.511 MeV, 1.077 MeV, 1.022 MeV and 1.883 MeV represent not more than 0.1% of total radioactivity
Radionuclidic purity — ^{68}Ge and gamma-ray-emitting impurities	Total radioactivity $\leq 0.001\%$
Rediochemical purity — ^{68}Ga (III) ion	$\geq 95\%$ of the total radioactivity due to ^{68}Ga
Sterility	Sterile
Bacterial endotoxins	< 175 EU/mL



ANY QUESTION ABOUT *Galli Eo*
CONTACT OUR TEAM:

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IRE ELIT is the subsidiary of The Institute for Radioelements in Belgium, and offers **SIMPLE, INNOVATIVE and SUSTAINABLE** solutions for **development, production & end-use of RADIOPHARMACEUTICALS** used in the treatment of certain cancers and palliative care.

IRE ELIT is registered as IMP (Investigational Medicinal Product) manufacturer.


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