

# POMO NOVA

## THE BEST CHOICE RADIO FLOW DETECTOR FOR PET APPLICATIONS

- BROAD DYNAMIC RANGE
- HIGH COUNT RATE
- UNIQUE SENSITIVITY
- GMP / GLP / FDA21 CFR  
PART 11 COMPLIANT

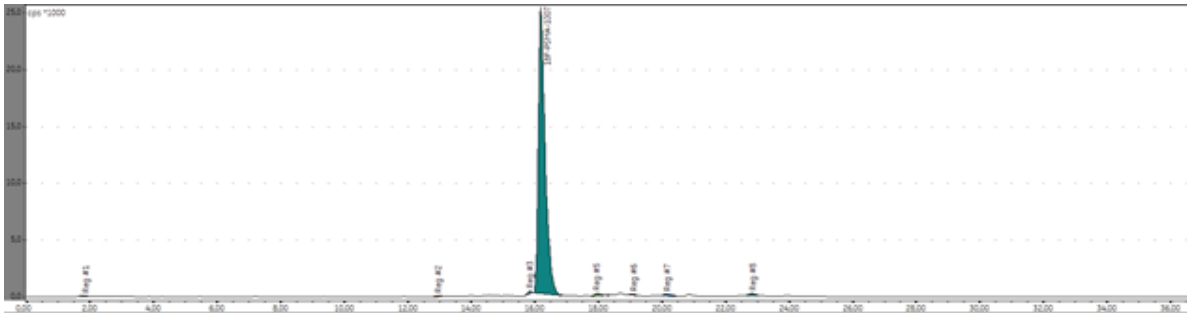


The Beta (+ and -)Radio Flow Detector POMO Nova is a lead shielded radio flow cell detector for HPLC. Its technology is based on a non crystal scintillator combined with a high performance SiPM.

This combination gives a very high sensitive detector for radio chromatography flow in nuclear medicine and PET laboratories.

The low Gamma response and very low background noise of this system provides a high detection sensitivity for the PET isotopes (F-18, C-11, Ga-68, N-13, Cu-64,...) and the high energy Beta- emitters (Lu-177, I-131...)





[<sup>18</sup>F]PSMA-1007 radio-GPLC analysis, POMONOVA channel

[<sup>18</sup>F]PSMA-1007 radio-HPLC analysis, POMO Nova channel

## Database structure

This new detector is dedicated to the analysis of Beta emitters compounds. It can be easily coupled to a HPLC system ensuring the separation of the different compounds and impurities. Thanks to different choice of housings, it can also be easily integrated to your existing HPLC tower. (Agilent, Shimadzu, ...).

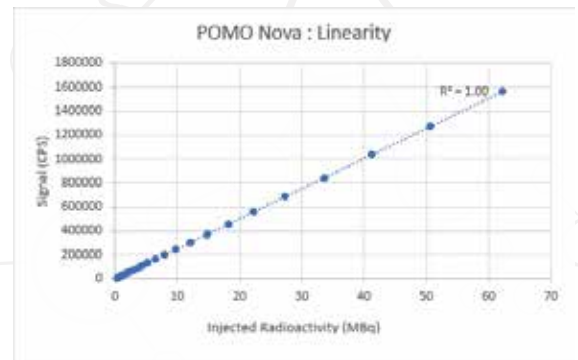
## Software

This radio detector uses the well-established Elysia Communication Protocol (ECP). In combination with our GINA X software, the detector and its components will be recognized automatically (full digital communication) so it gives you the opportunity step in effortless in the world of GxP practices. Besides, this ECP protocol also allows advanced control and diagnostic of the entire detector, ensuring better performance and enabling remote diagnostics.

The POMO Nova can also be added to an existing radio-HPLC system controlled by a third-party software. (stand-alone mode)

### Technical specifications

<b>Sensitivity</b>	LOQ of 350Bq (Ga-68 std)
<b>Background noise</b>	<= 1cps
<b>Count rate</b>	1000000 cps
<b>Linearity</b>	0-1500000 cps R2>0.99
<b>Flow cell</b>	5µL or on demand
<b>Data output</b>	USB 2.0 10/100 Ethernet
<b>Input/Output</b>	2 analog outputs : 0-1 V Digital I/O interface : 3 inputs; 5 relays outputs



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