

Synthra N13/NaF (Catalog No. 010)

The Synthra N13/NaF is a completely automated and compact radio synthesis system for routine production of $[^{13}\text{N}]\text{NH}_3$. The synthesis unit includes all components needed for purification and formulation of $[^{13}\text{N}]\text{ammonia}$ and can also be used for $[^{18}\text{F}]\text{NaF}$ production with little to no modification. With the easy-to-use configuration software SynthraView it's simple to automate the synthesis. The Synthra Ammonia module offers both, fully automatic and manual modes of operation.

Labeling Possibilities

- ✓ Synthesis of $[^{13}\text{N}]\text{ammonia}$
- ✓ Synthesis of $[^{18}\text{F}]\text{NaF}$
- ✓ The radio synthesis system has a dedicated sub system for the **recovery and collection of $[^{18}\text{O}]\text{H}_2\text{O}$** for the purification of the cyclotron produced $[^{18}\text{F}]\text{fluoride}$.
- ✓ The target activity is measured with a separated detector.

General Features

- ✓ 3 shielded **radiation detectors**
- ✓ Build-in **vacuum pump** (<5 mbar)
- ✓ **Chemically inert valves** with small dead volume < 35 μL , 5 bar rated

Synthesis Features

- ✓ **3 reagent vials**
 - Two small (1 – 3 mL) and one large (10 – 15 mL) volume glass vials for reagents
- ✓ **2 cartridge holders**
- ✓ **Synthesis option:**
 - Product vial heater option (Catalog No.000ph)



GMP Features

- ✓ Synthesis files for $[^{13}\text{N}]\text{NH}_3$ and $[^{18}\text{F}]\text{NaF}$
- ✓ **GMP compliant.** Electronic control and data collection (27/18 channels)
- ✓ **21CFRpart11** & **LIMS** compatible

Terminal Control

- ✓ **A Laptop (Win 10 Pro) and SynthraView are included**

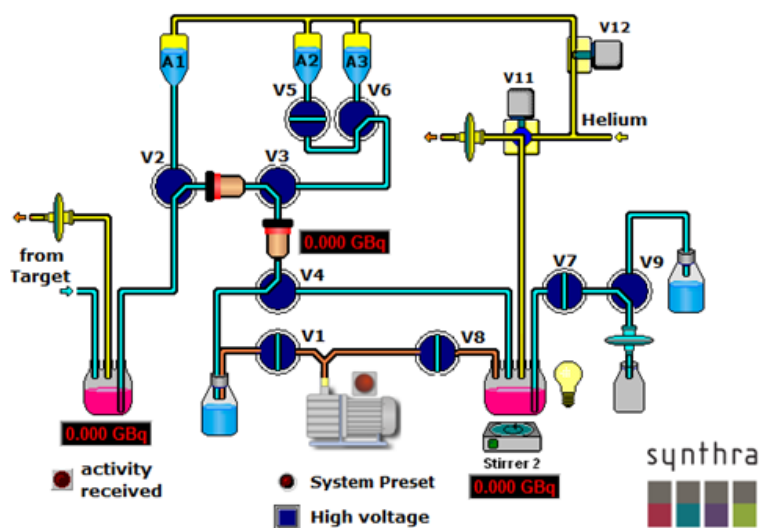
Synthra Various Radiosynthesizers

Product Description and Technical Specifications

synthra



N13/NaF



The Graphical User Interface (GUI) of the SynthraView software