



# RADIOPHARMACEUTICALS PHARMACEUTICALS

## RADIOPHARMACEUTICALS

Radioactive pharmaceuticals, also known as radiopharmaceuticals, are molecules labelled with radionuclides which are used as tracers for biochemical processes in living organisms. They are used in functional diagnostics and in targeted radiotherapy, and are also used in research.

In the business unit Pharmaceuticals, a large range of radiopharmaceuticals is manufactured for various different clinical applications. We also work continuously on the development of new radiopharmaceuticals, both with customers and in cooperation with nuclear medicine facilities.

## DECADES OF EXPERIENCE

The business unit Pharmaceuticals of Seibersdorf Laboratories is an independent contract manufacturer of radiopharmaceuticals. Radiopharmaceuticals have been commercially manufactured at the Seibersdorf location for decades.

Our production plant is one of the longest-standing and largest radiopharmaceutical production plants in Central Europe.

Due to our production plant's convenient geographical location in the heart of Europe, we see ourselves as a central European radiopharmacy.

## CORE COMPETENCE

Our core competencies are:

- Contract manufacturing of parenteral radiopharmaceuticals under aseptic conditions in accordance with GMP
- Development of radiopharmaceuticals and radioactive substances

In this, our focus is on the production of PET radiopharmaceuticals with the radionuclides  $^{18}\text{F}$  and radiopharmaceuticals for therapeutic uses with the radionuclides  $^{90}\text{Y}$  and  $^{177}\text{Lu}$ .

Through consistent compliance with the highest quality standards, both in production and quality control, we have been ensuring the safety of patients and users for many years.

We work with external transport companies to organize the reliable, rapid and on-time delivery of our products within the European Union and Switzerland.



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## EQUIPMENT

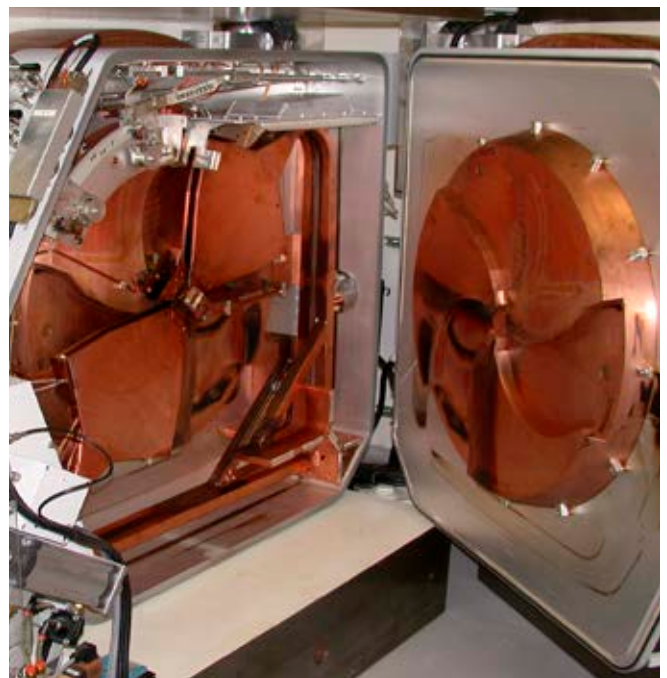
At our location, we have a GE PETtrace cyclotron which is used to manufacture the radionuclide fluorine-18 (in the form of  $^{18}\text{F}$ -fluoride and  $^{18}\text{F}$ -fluorine gas) using 16 MeV protons.

The following synthesis modules are currently available for the production of radiopharmaceuticals in accordance with GMP:

- 2 GE FASTlab synthesis modules
- 2 Scintomics GRP modules
- 1 GE Tracerlab Fx synthesis module
- 1 Eckert & Ziegler Pharmtracer synthesis module
- 1 IBA Synthera synthesis module

These production laboratories are equipped with three dispensing units for the aseptic filling of the various different radiopharmaceuticals.

Our facility comprises clean room areas totaling more than 400 m<sup>2</sup> with three production rooms for radiopharmaceuticals. Our largest production laboratory for the manufacture of  $^{18}\text{F}$ -radiopharmaceuticals has a total of nine lead cells.



## CONTACT

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