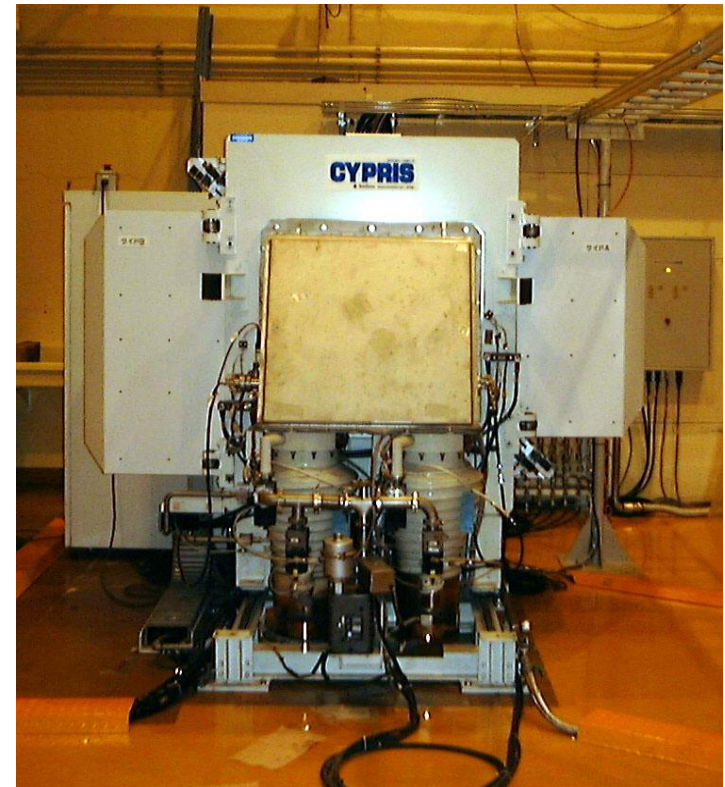


Cyclotron at CYRIC, Tohoku University

**930 AVF cyclotron
(Multiple use, K=110)**



**HM12 AVF Cyclotron
(Specific for production PET
Tracers, K=12)**



Molecular Imaging Devices at Tohoku Univ.

- Animal PET using semiconductor (FinePET®: In collaboration with Sumitomo Heavy Industry and Tohoku Univ.)
- Animal PET/CT using conventional photomultipliers with DOI (Clairvivo®: Shimadzu Corp.)
- Planar Positron Imaging System (PPIS® : Hamamatsu Photonics)
- Human 3D-PET (SET 2400; Shimadzu Corp.) and 3D-PET/CT (Eminence STARGATE®; Shimadzu Corp.) only for Clinical Research Use



Fine-PET



PPIS

Clairvivo PET/CT



Eminence STARGATE

東北大学CYRIC内のPET分子プローブと合成装置： FASTラボ標識合成ユニットは医療機器として認可



FAST lab-THK合成ユニット



THK合成ユニット



東北大学CYRICの標識合成ユニット(平成30年1月撮影)