

ENTRY NO. CU65 Date 23/7/92  
 Cyclotron Model OSCAR  
 Institution NKK Corporation  
 Address 2-1 SUEHIRO-CHO, TSURUMI-KU, YOKOHAMA 230 JAPAN  
 Tel 81-45-505-7537 Telex  
 Fax 81-45-505-7553 EMAIL  
 In Charge: Reported by: MICHIO SHIMIZU

**HISTORY**

MILESTONE DATES:  
 Installation JUNE 1991 First Beam JULY 1991  
 DESIGN/CONSTRUCTION BY: OXFORD INSTRUMENTS  
 COST: Accelerator Facility  
 FUNDED BY:

**STATUS**

STAFF: Operators 5 Technicians 3  
 BUDGET: Machine Funded by  
 TIME DISTRIBUTION: (e.g. basic research, isotope production, maintenance, etc.)  
 (a) Development of PET chemistry modules 90 %  
 (b) Neutron radio graphy (1993 - ) 0 %  
 (c) maintenance 10 %  
 (d) %  
 (e) %

**CHARACTERISTIC BEAMS**

Accelerated Ions	E/A (MeV/u)	Current(part $\mu$ A)	
		Internal	External
(a) H	12	100	100
(b)			

1991  $\mu$ A-hours on target: 10,000

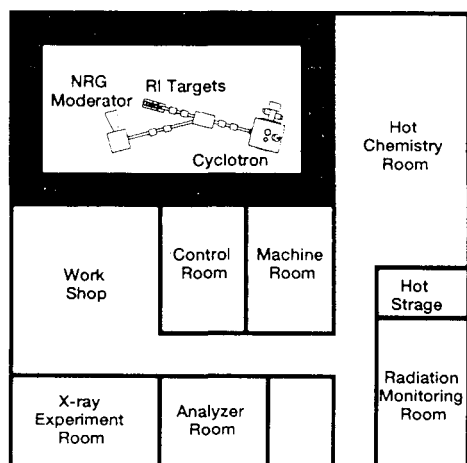
**FACILITIES**

SHIELDED AREA: Fixed 72 m<sup>2</sup> Moveable 7 m<sup>2</sup>  
 Target Stations: 1 No. Served At Same Time: 1  
 OTHER FACILITIES: 2  
 Hot chemistry room 80 m<sup>2</sup>

**REFERENCES/NOTES**

(a)  
 (b)

**PLAN VIEW OF FACILITY, COMMENTS**



ENTRY NO. CU66 Date August 11, 1995  
 Cyclotron Model Scanditronix MC 17F  
 Institution PET-Center, Groningen University Hospital  
 Address P.O.Box 30.001, 9700 RB Groningen, Netherlands  
 Tel 31 50 361 3311 Telex 53942 azgn nl  
 Fax 31 50 369 6619 E-MAIL  
 In Charge: W. Vaalburg Reported by: A.M.J. Paans

**HISTORY**

MILESTONE DATES:  
 Installation 1991 First Beam March 1991  
 DESIGN/CONSTRUCTION BY: Scanditronix AB  
 COST: Accelerator 4 MDFL Facility 15 MDFL  
 FUNDED BY: University Hospital + University of Gron.

**STATUS**

STAFF: Operators Technicians  
 BUDGET: Machine Funded by  
 TIME DISTRIBUTION: (e.g. basic research, isotope production, maintenance, etc.)  
 (a) Isotope production(11C, 13N, 15O, 18F) 100 %  
 (b) %  
 (c) %  
 (d) %  
 (e) %

**CHARACTERISTIC BEAMS**

Accelerated Ions	E/A (MeV/u)	Current (part $\mu$ A)	
		Internal	External
(a) p	17	75	65
(b) d	8.5	75	50

1994  $\mu$ A-hours on target: 15000

**FACILITIES**

SHIELDED AREA: Fixed 55 m<sup>2</sup> Moveable m<sup>2</sup>  
 Target Stations: 1 No. Served At Same Time: 1  
 OTHER FACILITIES: 1 target station with 8 targets  
 Radiochemical Laboratory  
 Positron Camera: Siemens/CTI ECAT 951/31

**REFERENCES/NOTES**

(a)  
 (b)

**PLAN VIEW OF FACILITY, COMMENTS**