

ENTRY NO. CU55 Date Oct., 1995
 Cyclotron Model Superconducting Cyclotron OSCAR
 Institution Osaka City University Medical School
 Address 1-5-7, Asahimachi, Abeno-ku, Osaka 545, Japan
 Tel 06-645-2196 Telex
 Fax 06-646-0686 E-MAIL
 In Charge: Hironobu Ochi, M.D. Reported by: Hironobu Ochi, M.D.

HISTORY

MILESTONE DATES:
 Installation Jan., 1993 First Beam Apr., 1993
 DESIGN/CONSTRUCTION BY: OXFORD / NKK
 COST: Accelerator 200 million yen Facility 300 million yen
 FUNDED BY: Osaka City

STATUS

STAFF: Operators 1 Technicians 0
 BUDGET: Machine Funded by Osaka City
 TIME DISTRIBUTION: (e.g. basic research, isotope production, maintenance, etc.)
 (a) Isotope production for PET clinical and research %
 (b) use 90 %
 (c) Maintenance 10 %
 (d) %
 (e) %

CHARACTERISTIC BEAMS

Accelerated Ions	E/A (MeV/u)	Current (part μ A)	
		Internal	External
(a) proton (H^+)	12/50	50	50
(b)			

1994 μ A-hours on target: 12,000

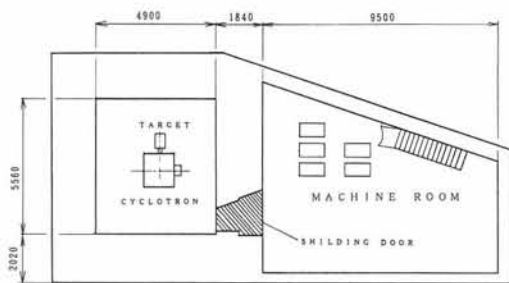
FACILITIES

SHIELDED AREA: Fixed: 27 m² Moveable - m²
 Target Stations: 1 No. Served At Same Time: 1
 OTHER FACILITIES:
 Automated chemical synthesizers
 PET scanner

REFERENCES/NOTES

- (a)
- (b)

PLAN VIEW OF FACILITY, COMMENTS



PLAN VIEW OF FACILITY

ENTRY NO. CU56 Date
 Cyclotron Model Cyclone 30 (30.10)
 Institution Nihon Medi-Physics Co., Ltd. Hyogo Facility
 Address 9-1, Techno Park, Sanda City, Hyogo, 669-13, JAPAN
 Tel 81-795-68-4771 Telex
 Fax 81-795-68-3071 E-MAIL
 In Charge: Y. Mori Reported by: Y. Mori

HISTORY

MILESTONE DATES:
 Installation May 92 - Aug. 92 First Beam Jul. 92
 DESIGN/CONSTRUCTION BY: Ion Beam Applications
 COST: Accelerator Facility \$100M
 FUNDED BY: Own company

STATUS

STAFF: Operators Technicians 19
 BUDGET: Machine Funded by
 TIME DISTRIBUTION: (e.g. basic research, isotope production, maintenance, etc.)
 (a) Isotope Production 85 %
 (b) Maintenance 10 %
 (c) Development 5 %
 (d) %
 (e) %

CHARACTERISTIC BEAMS

Accelerated Ions	E/A (MeV/u)	Current (part μ A)	
		Internal	External
(a) H^+	15-30	350 H^+	350 H^+
(b)			

1994 μ A-hours on target: 1.2×10^6

FACILITIES

SHIELDED AREA: Fixed: 200 m² Moveable m²
 Target Stations: 4 No. Served At Same Time: 2
 OTHER FACILITIES:
 Production Area of Radiopharmaceuticals

REFERENCES/NOTES

- (a)
- (b)

PLAN VIEW OF FACILITY, COMMENTS

