

ENTRY NO. **CU58** Date Oct., 1995
 Cyclotron Model Superconducting Cyclotron OSCAR
 Institution Osaka City University Medical School
 Address 1-5-7, Asahimachi, Abeno-ku, Osaka 545, Japan
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 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 90 %
 (b) use 90 %
 (c) Maintenance 10 %
 (d) %
 (e) %

CHARACTERISTIC BEAMS

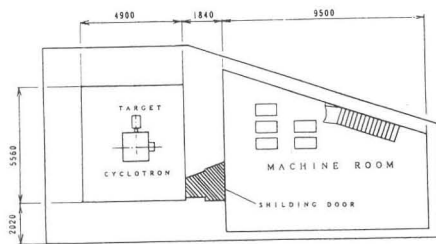
Accelerated Ions	E/A (MeV/u)	Current (part μ A)	
		Internal	External
(a) proton(H ⁺)	12/50	50	50
(b)			

1994 μ A-hours on target: 12,000

FACILITIES
SHIELDED AREA: Fixed: 27 m² Moveable: 1 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: **CU59** Date: July 1998
 Machine Name: Cyclone 30.1
 Cyclotron Model:
 Institution: Nihon Medi-Physics Co, LTD, Hyogo Facility..
 Address: Techno Park, Sanda City, Hyogo Pref. 669-1339.....
 Tel: 81-795-68-4771..... Japan.....
 Fax: 81-795-68-3071..... Web:
 E-mail:
 In Charge: Shigeaki KATAOKA Manager of Techn. Sect. 1.

HISTORY
 Installation: 1992..... First Beam: 1992.....
 Design/Construction by: IBA.....
 Funded by: Nihon Medi-Physics Co. LTD.....

USES
 Radioisotope production.....90 %
 Maintenance.....5 %
 Developments.....5 %
 %
 %
Total time:6300 h/year

CHARACTERISTIC BEAMS
Ions/energy/current:
 H- / 16-30 MeV / 360 μ A (dual beam)

EXPERIMENTAL FACILITIES

REFERENCES

PLAN VIEW OF FACILITY

COMMENTS

