

ENTRY NO. **CU75** Date 1995.10.2
 Cyclotron Model MC-50
 Institution Korea Cancer Center Hospital, KAERI
 Address 215-4 Gongsung-Dong, Nowon-Gu, Seoul
 Tel (02) 974-2501 Telex
 Fax (02) 978-2005 E-MAIL
 In Charge: J.S. Chai Reported by: J.S. Chai

HISTORY

MILESTONE DATES:
 Installation May, 1985 First Beam Jan., 1986
 DESIGN/CONSTRUCTION BY: Scanditronix, Sweden
 COST: Accelerator USD3,280,000 Facility USD3,000,000
 FUNDED BY: Korea Cancer Center Hospital, Korea Atomic Energy Research Institute

STATUS

STAFF: Operators 2 Technicians 2
 BUDGET: Machine USD 300,000 Funded by Ministry of Science & Tech.
 TIME DISTRIBUTION: (e.g. basic research, isotope production, maintenance, etc.)
 (a) Neutron therapy 12.3 %
 (b) Radioisotope production 61.1 %
 (c) Basic research 26.6 %
 (d) %
 (e) %

CHARACTERISTIC BEAMS

Accelerated Ions	E/A (MeV/u)	Current (part μ A)	
		Internal	External
(a) Proton	50.5	100	60
(b) He-4	48	60	35

1994 μ A-hours on target: 44032 μ A-hours

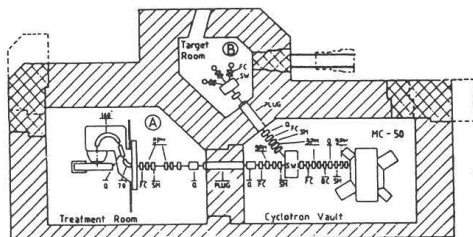
FACILITIES

SHIELDED AREA: Fixed: 180 m² Moveable 25 m²
 Target Stations: 5 No. Served At Same Time: 3
 OTHER FACILITIES:
 Neutron Gantry
 Medical Microtron

REFERENCES/NOTES

(a) _____
 (b) _____

PLAN VIEW OF FACILITY, COMMENTS



ENTRY NO. **CU76** Date
 Cyclotron Model GE PET Trace
 Institution Samsung Medical Center
 Address 50 Ilwon-Dong, Kangnam-Gu, Seoul, Korea
 Tel 02-3410-2668 Telex
 Fax 02-3410-2639 E-MAIL
 In Charge: Y.S. Choe Reported by: J.S. Chai

HISTORY

MILESTONE DATES:
 Installation April, 1994 First Beam June, 1994
 DESIGN/CONSTRUCTION BY: General Electric
 COST: Accelerator USD3,200,000 Facility
 FUNDED BY: Samsung Foundation

STATUS

STAFF: Operators 1 Technicians 2
 BUDGET: Machine Funded by Samsung Medical Center
 TIME DISTRIBUTION: (e.g. basic research, isotope production, maintenance, etc.)
 (a) Radioisotope production 100 %
 (b) %
 (c) %
 (d) %
 (e) %

CHARACTERISTIC BEAMS

Accelerated Ions	E/A (MeV/u)	Current (part μ A)	
		Internal	External
(a) Proton	16.5 MeV	75 μ A	
(b) Deuteron	8.4 MeV	60 μ A	

1994 μ A-hours on target: 2562 μ A-hour

FACILITIES

SHIELDED AREA: Fixed: 42 m² Moveable 240 m²
 Target Stations: 6 No. Served At Same Time:
 OTHER FACILITIES:
 PET Scanner, Hotcell 2,
 HPLC 2, GCI, Glovebox 1, Laminar floor 1

REFERENCES/NOTES

(a) _____
 (b) _____

PLAN VIEW OF FACILITY, COMMENTS