

ENTRY NO. CU113 Date July 15, 1992
 Cyclotron Model CS-30
 Institution Mount Sinai Medical Center
 Address 4300 Alton Road, Miami Beach, Florida 33140
 Tel (305)674-2465 Telex
 Fax (305)674-2996 EMAIL
 In Charge: Thomas Boothe Reported by: Thomas Boothe

HISTORY

MILESTONE DATES:
 Installation 1971 First Beam 1972
 DESIGN/CONSTRUCTION BY: The Cyclotron Corporation
 COST: Accelerator 1M Facility 2.5M
 FUNDED BY: Mount Sinai/private funding

STATUS

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

CHARACTERISTIC BEAMS

| Accelerated Ions | E/A (MeV/u) | Current(part μ A) | |
|------------------|-------------|-----------------------|----------|
| | | Internal | External |
| (a) p+ | 26.5 | 130 | 20 |
| (b) | | | |

1991 μ A-hours on target: 291,250

FACILITIES

SHIELDED AREA: Fixed m² Moveable m²
 Target Stations: 7 No. Served At Same Time: 1
 OTHER FACILITIES: seven external target stations
 most targets internal

REFERENCES/NOTES

(a)
 (b)

PLAN VIEW OF FACILITY, COMMENTS

13 total staff; 5 operators/engineers;
 6 chemists, 1 nuclear pharmacist
 1 physicist

ENTRY NO. CU115 Date 7-92
 Cyclotron Model SIEMENS/CTI MODEL 112
 Institution VANDERBILT UNIVERSITY MEDICAL CENTER
 Address 2222 PIERCE AVE., PET. FACILITY, 125., MRB.,
 Tel (615). 343-7511 Nashville, TN 37232-6315
 Fax (615). 343-6531 EMAIL
 In Charge: RON MANNING Reported by: RON MANNING

HISTORY

MILESTONE DATES:
 Installation 1989 First Beam 1989
 DESIGN/CONSTRUCTION BY: CTI
 COST: Accelerator \$1,500,000 Facility \$2,600,000
 FUNDED BY: VANDERBILT

STATUS

STAFF: Operators 1 Technicians 0
 BUDGET: Machine \$300,000 Funded by VANDERBILT
 TIME DISTRIBUTION: (e.g. basic research, isotope production, maintenance, etc.)
 (a) ISOTOPE PRODUCTION 95 %
 (b) MAINTENANCE 5 %
 (c) %
 (d) %
 (e) %

CHARACTERISTIC BEAMS

| Accelerated Ions | E/A (MeV/u) | Current(part μ A) | |
|------------------|-------------|-----------------------|----------|
| | | Internal | External |
| (a) H- | 11 | | |
| (b) | | | |

1991 μ A-hours on target:

FACILITIES

SHIELDED AREA: Fixed m² Moveable m²
 Target Stations: 4 No. Served At Same Time: 2
 OTHER FACILITIES: RADIOCHEMISTRY LABORATORIES

REFERENCES/NOTES

(a) J. NUCL. MED. TECH. 19(1)5-19 (1991)
 (b)

PLAN VIEW OF FACILITY, COMMENTS