

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
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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
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 PLEBCE 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