

ENTRY NO. **CU117** 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  
 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 $\mu$ A)	
		Internal	External
(a) p+	26.5	130	.20
(b)			

1991  $\mu$ A-hours on target: 291,250

**FACILITIES**

SHIELDED AREA: Fixed m<sup>2</sup> Moveable m<sup>2</sup>  
 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. **CU119** 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 $\mu$ A)	
		Internal	External
(a) H-	11		
(b)			

1991  $\mu$ A-hours on target:

**FACILITIES**

SHIELDED AREA: Fixed m<sup>2</sup> Moveable m<sup>2</sup>  
 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**