

Entry: **CU42** Date:

Machine Name: LFC Biomedical Cyclotron

Cyclotron Model: PETtrace Med. Syst.

Institution: CNR Inst. Clinical Physiology

Address: V. Savi, 8-56126 Pisa - Italy

Tel: +39 50 583254

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Web: www.ifc.cnr.it

E-mail: Salvador_po@ifc.pi.cnr.it

In Charge: Piero A. Salvadori

HISTORY

Installation: 1996

First Beam: 1996

Design/Construction by: GE Medical Systems

Funded by: National Council of Research

USES

Radiopharmaceuticals Productions80 %

Targetry20 %

.....%

.....%

.....%

Total time:1600 h/year

CHARACTERISTIC BEAMS

Ions/energy/current:

H⁺ / 16.5 MeV / 75 μA

D⁺ / 8.3 MeV / 60 μA

EXPERIMENTAL FACILITIES

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REFERENCES

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PLAN VIEW OF FACILITY

Moving to new site during 1999

COMMENTS

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ENTRY NO. **CU44** Date:

Cyclotron Model: JSW BC-168

Institution: Research Inst. for Brain & Blood Vessels-AKITA

Address: 6-10 Senshu-Kubota machi, Akita city, Akita 010,

Tel: Jpn:188-33-0115 Telex: JAPAN

Fax: Jpn:188-33-2104 EMAIL:

In Charge: Kazuo Uemura Reported by: Matsutaro Murakami

HISTORY

MILESTONE DATES:

Installation: Oct. 1982-Apr. 1983 First Beam: Feb. 1983

DESIGN/CONSTRUCTION BY:

COST: Accelerator ¥ 300,000,000 Facility

FUNDED BY: Akita Prefecture

STATUS

STAFF: Operators 3 Technicians 1

BUDGET: Machine ¥ 15,000,000 Funded by Akita Prefecture

TIME DISTRIBUTION: (e.g. basic research, isotope production, maintenance, etc.)

(a) Isotope production for clinical use 80 %

(b) Isotope Production for basic research 10 %

(c) Maintenance 10 %

(d) %

(e) %

CHARACTERISTIC BEAMS

Accelerated Ions	E/A (MeV/u)	Current(part μA)	
		Internal	External
(a) H ⁺	16 - 50	8.5 H ⁺	5.7 H ⁺
(b) D ⁺	8 - 50	7.2 H ⁺	4.6 H ⁺

1991 μA-hours on target: 4.2 x 10⁴

FACILITIES

SHIELDED AREA: Fixed 22.5 m² Moveable m²

Target Stations: 5 No. Served At Same Time: 1

OTHER FACILITIES:

REFERENCES/NOTES

(a)

(b)

PLAN VIEW OF FACILITY, COMMENTS

