



Comparative data for density of M.I.C.E. and IVC cage racks.

Density		M.I.C.E. (112-cage) 84.5 in ² /cage		IVC (140-cage) 75 in ² /cage	
		Maximum	Average	Maximum	Average
CAGE	Mice (up to 25g)	6	5	5	3.5
	Rats (up to 300g)	2		0	
	Hamsters (up to 100g)	5		0	
	Guinea pigs (up to 350g)	1		0	
RACK (16sf)	nb of cages per sf	7	7	9	9
	nb of mice per sf	42	35	43	26
ROOM (365sf)	nb of cages per room	784	672	840	840
	nb of cages per sf	2.1	1.9	2.3	2.3
	nb of mice per room	4,704	3,360	4,200	2,940
	nb of mice per sf	12.9	9.2	11	8.0
FACILITY (15,000sf)	nb of mice TOTAL	47,040	33,360	42,000	29,400
	nb of mice per sf	3.1	2.2	2.8	1.9
	nb of occupied cages		6,720		8,400
	nb of c-o cages		1,680		4,200
	nb of cages washed/day		672		1,260

Comparative data for savings between M.I.C.E. and IVC cage racks operations.

	M.I.C.E.	IVC	SAVINGS
INITIAL INVESTMENT			
Construction (15,000sf) <HVAC>	\$7,200,000 <\$2,880,000>	\$9,000,000 <\$3,600,000>	\$1,800,000 <\$720,000>
Cage Racks [\$140/cage]	\$940,800	\$1,176,000	\$235,200
Change-Out [\$90/c-o]	\$151,200	\$378,000	\$226,800
Carts [\$875 ea]	\$26,250	\$52,500	\$26,250
Rack Fans Supplies	0	\$30,000	\$30,000
TOTAL	\$8,318,250 \$554.⁵⁵/sf	\$10,636,500 \$709. ¹⁰ /sf	\$2,318,250 [21.8%] \$154. ⁵⁵ /sf

OPERATIONAL COSTS			
Labor	\$114,240 [\$17/cage]	\$352,800 [\$42/cage]	\$238,560
Materials	\$141,120 [\$21/cage]	\$504,000 [\$60/cage]	\$362,800
Energy HVAC	\$ 224,000	\$ 420,000	\$352,240
Electricity	0	\$ 156,240	
TOTAL per Year	\$479,360	\$1,433,040	\$953,680 [66%]
Cost of cage per Diem	\$0.20	\$0.47	\$0.27
Cost of mouse per Diem	\$0.04	\$0.13	\$0.09