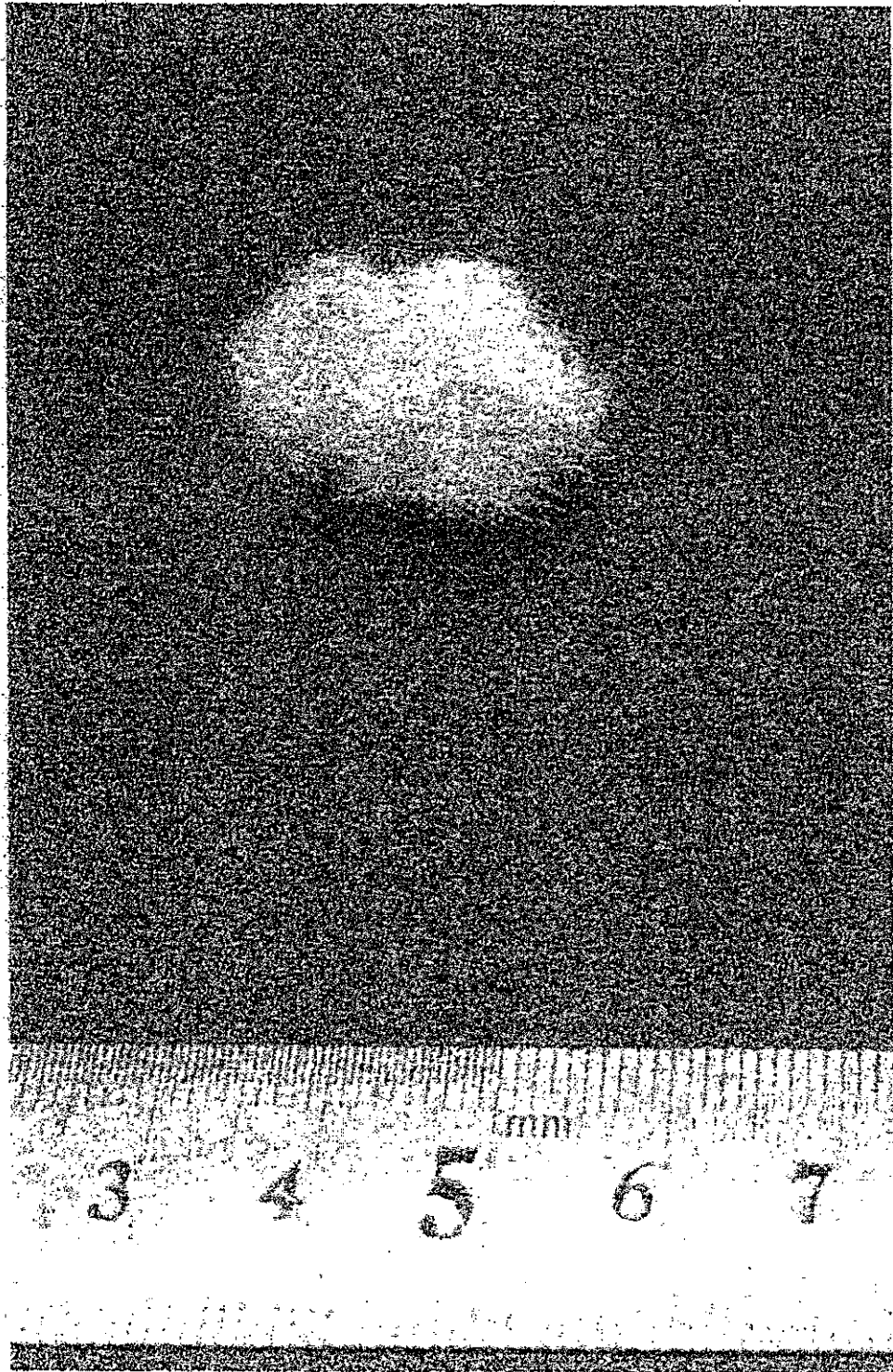


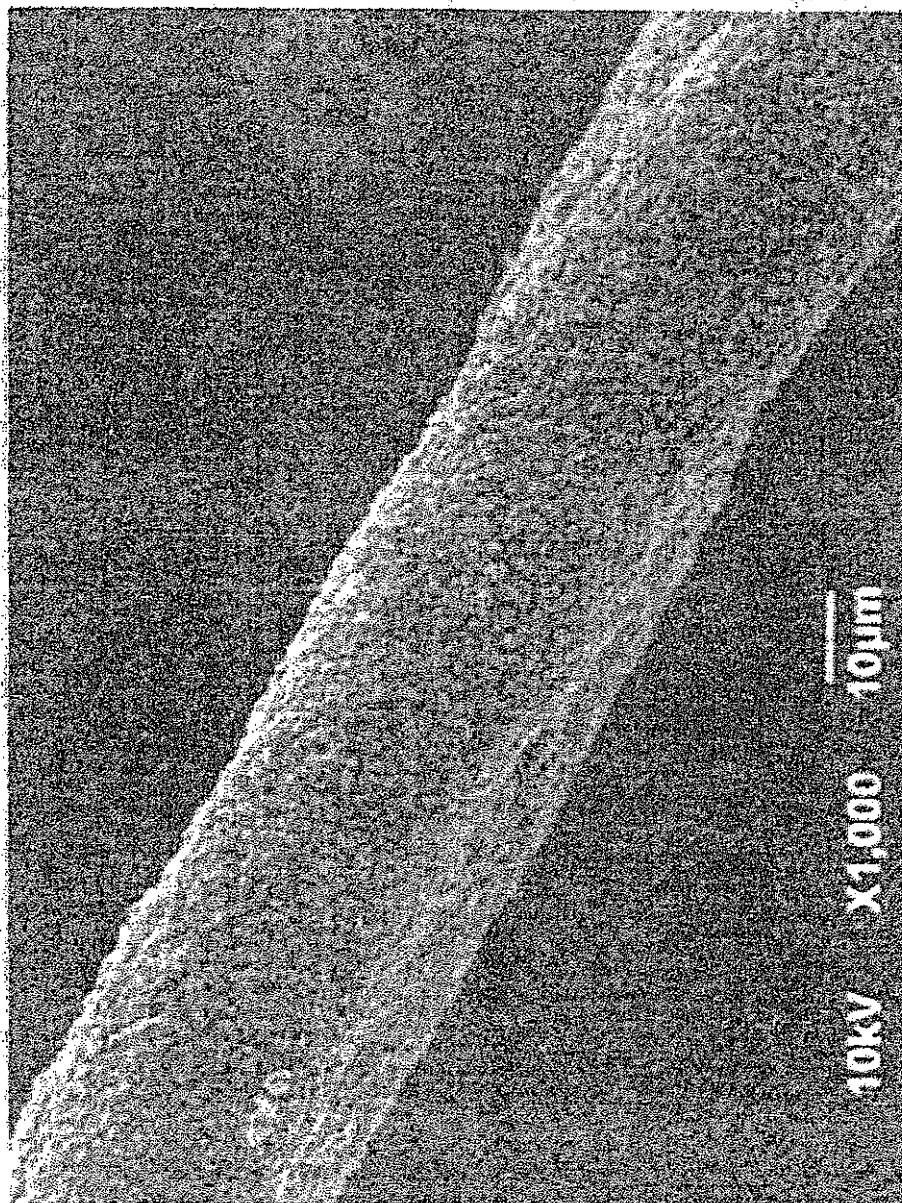
1/25

FIG. 1



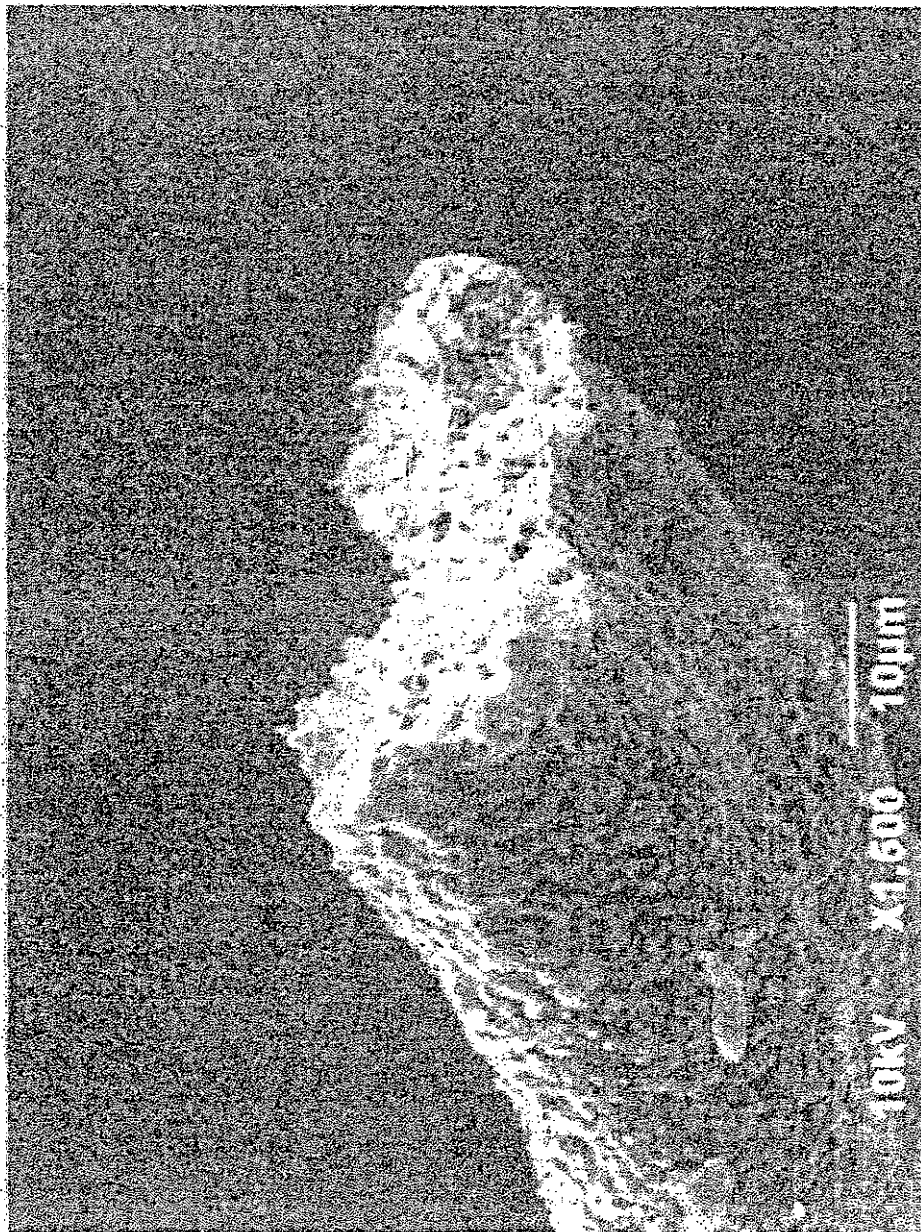
2/25

FIG. 2



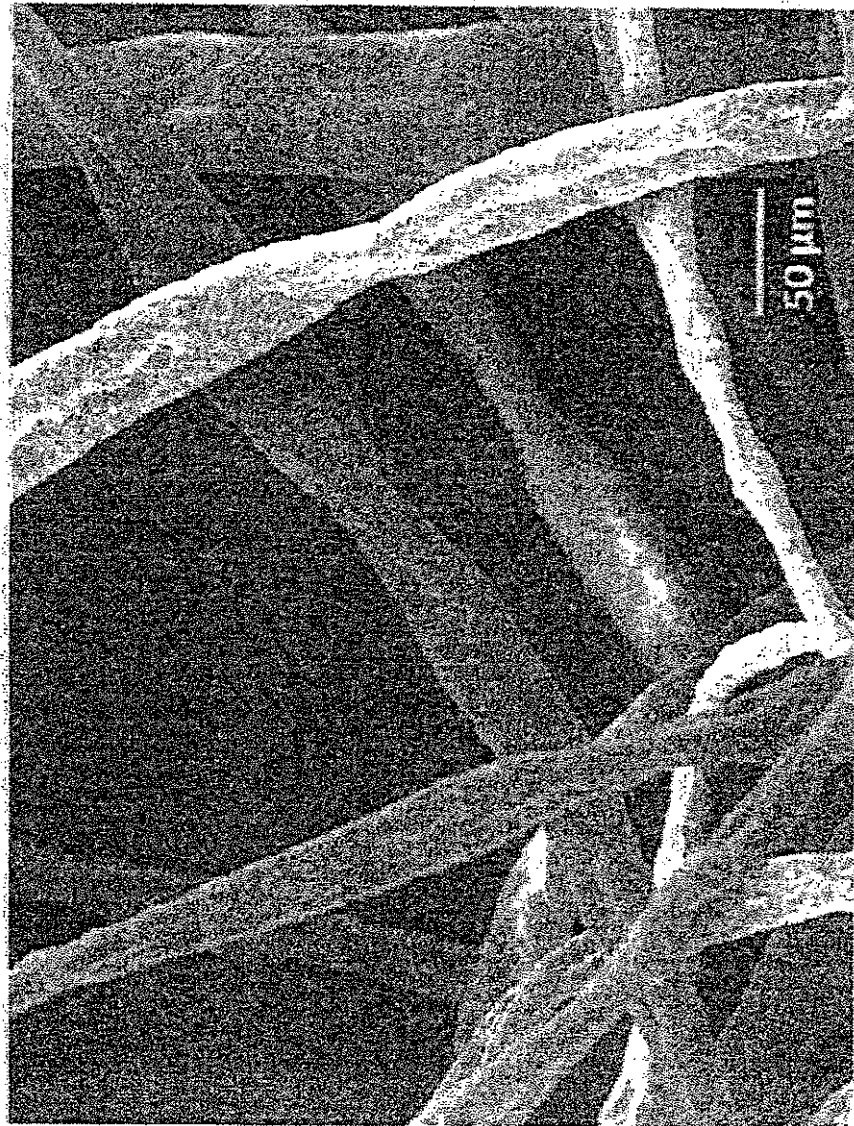
3/25

FIG. 3



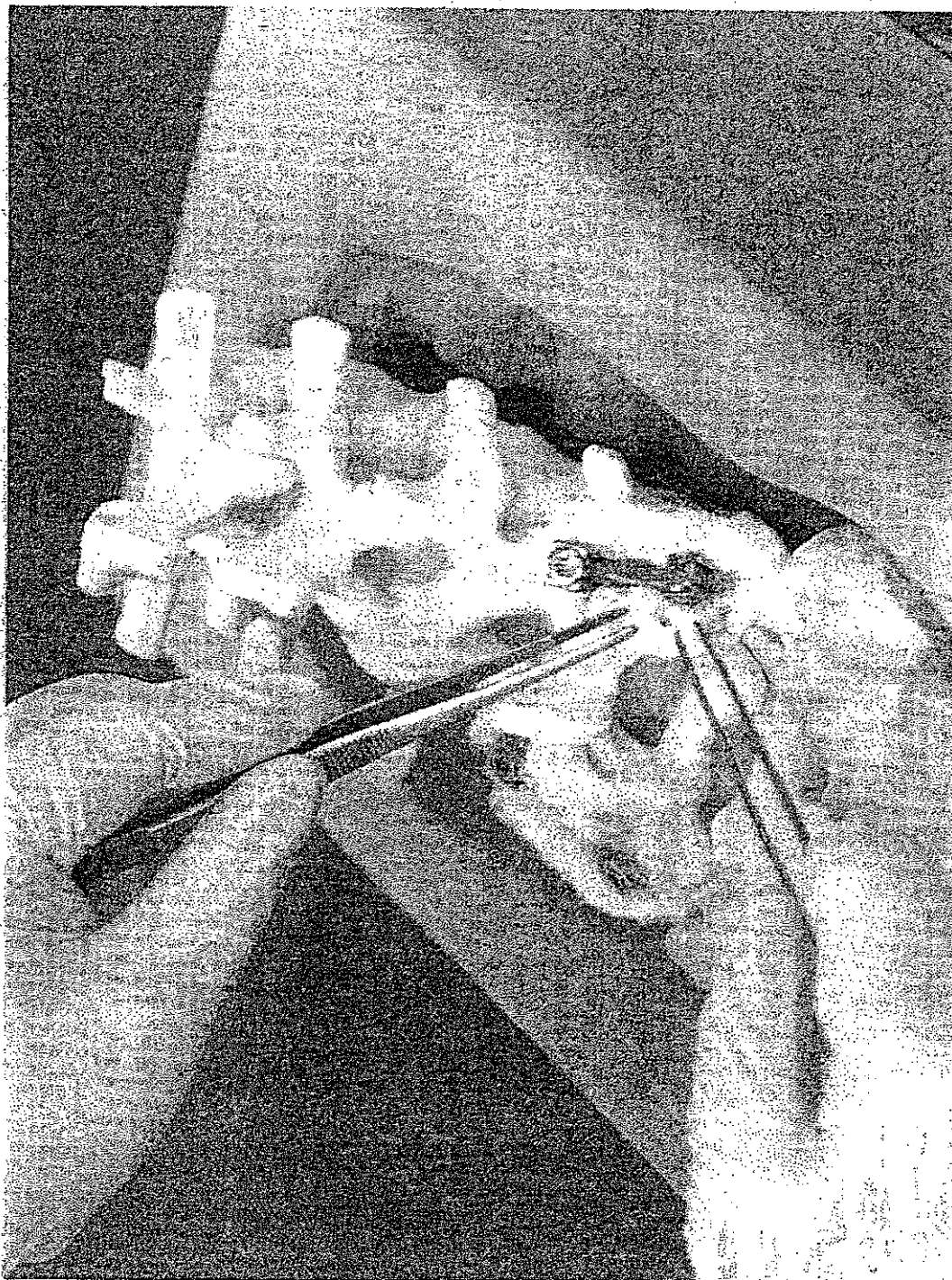
4/25

FIG. 4



5/25

FIG. 5



6/25

FIG. 6

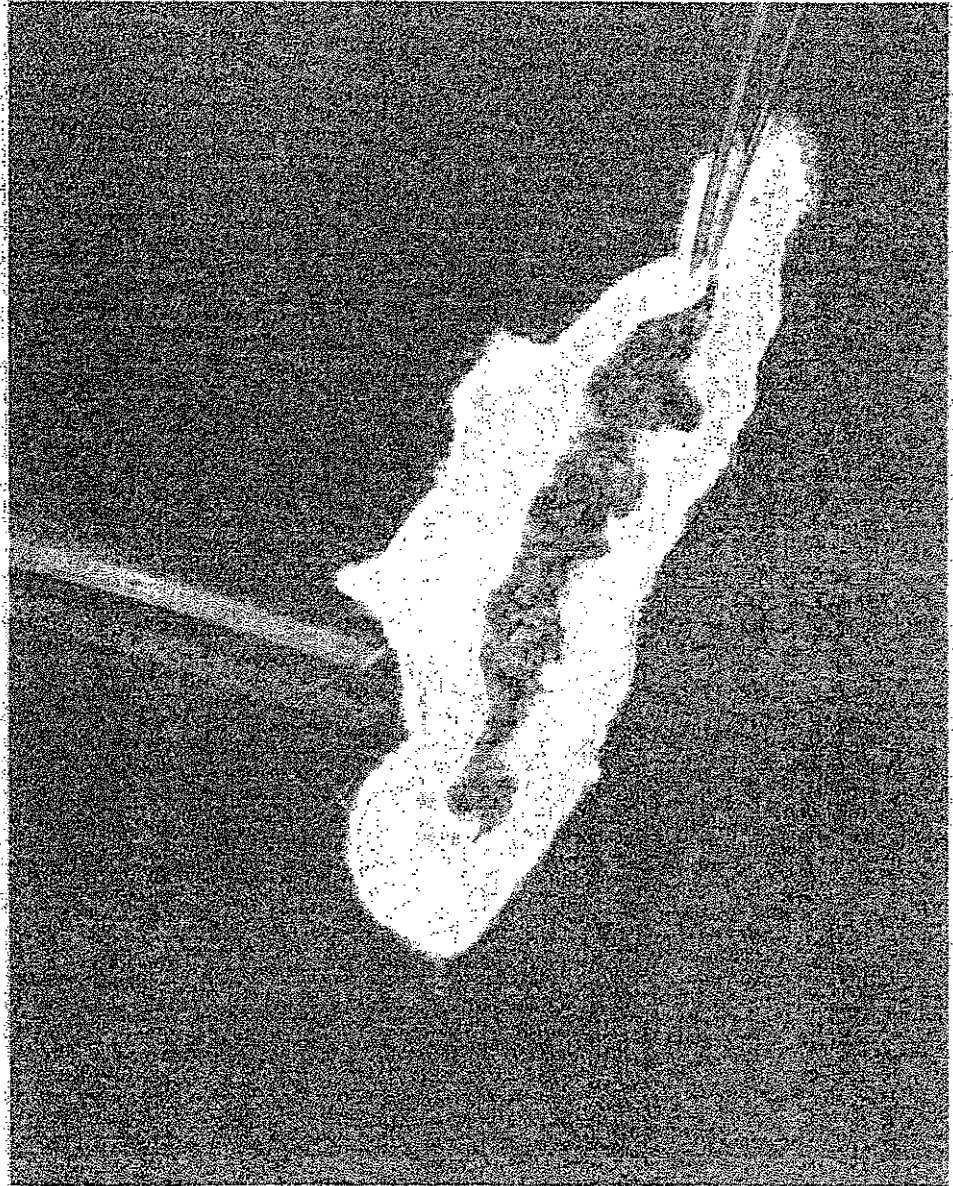
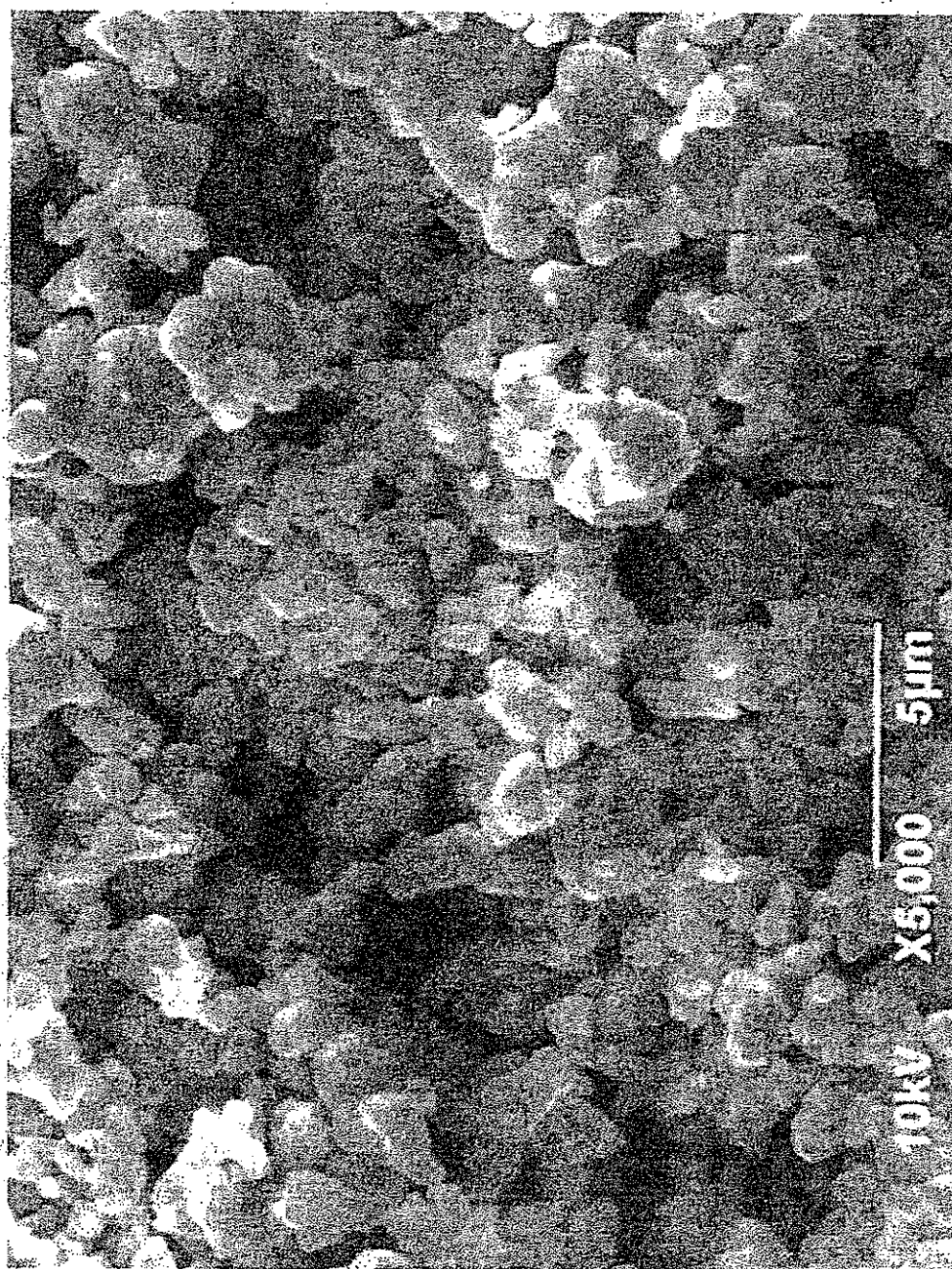
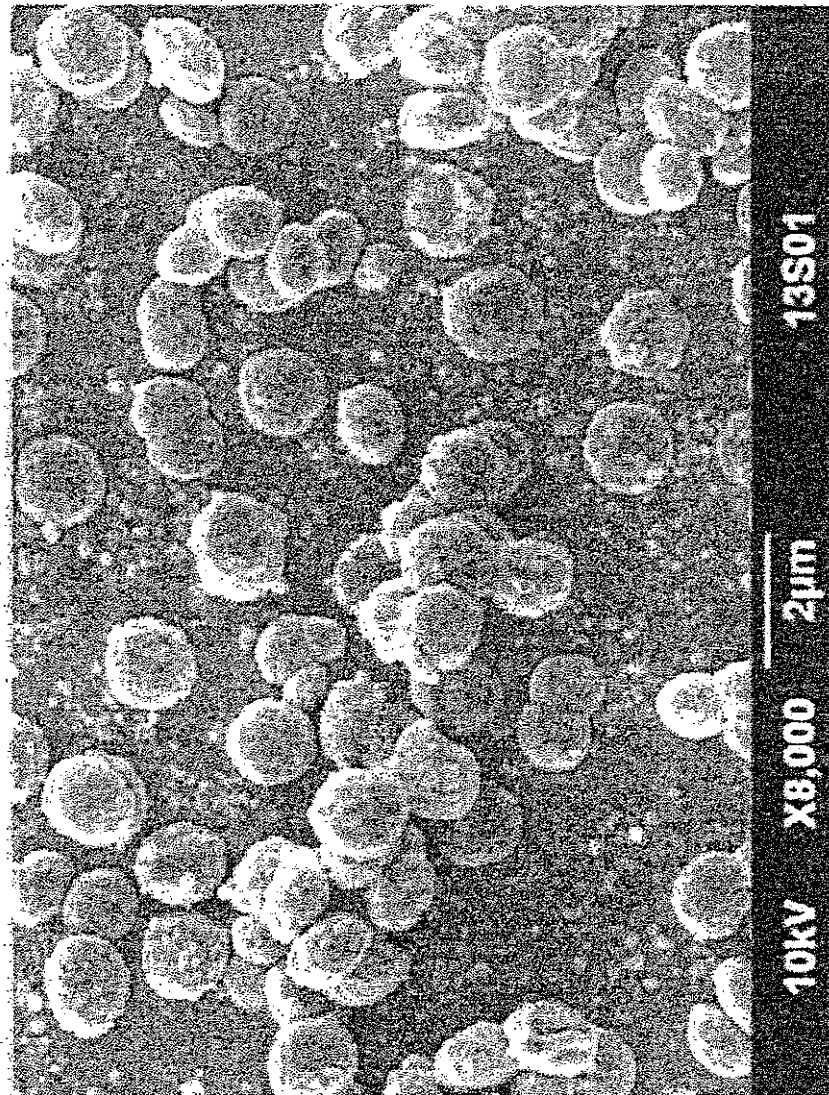


FIG. 7



8/25

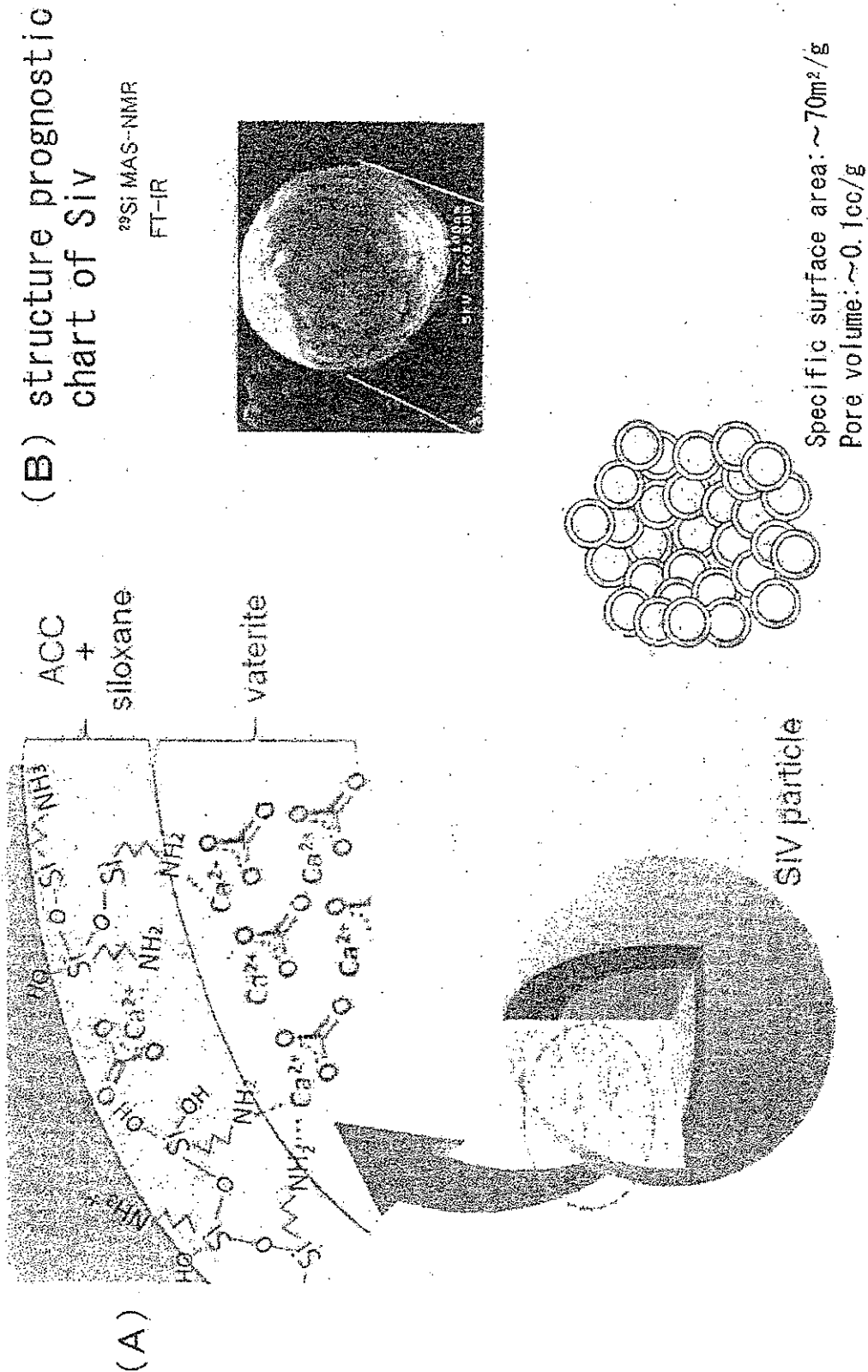
FIG. 8



Siv particle
diameter

9/25

FIG. 9



10/25

FIG. 10

Si, Ca releasing characteristics of Sample 2 (Tris)

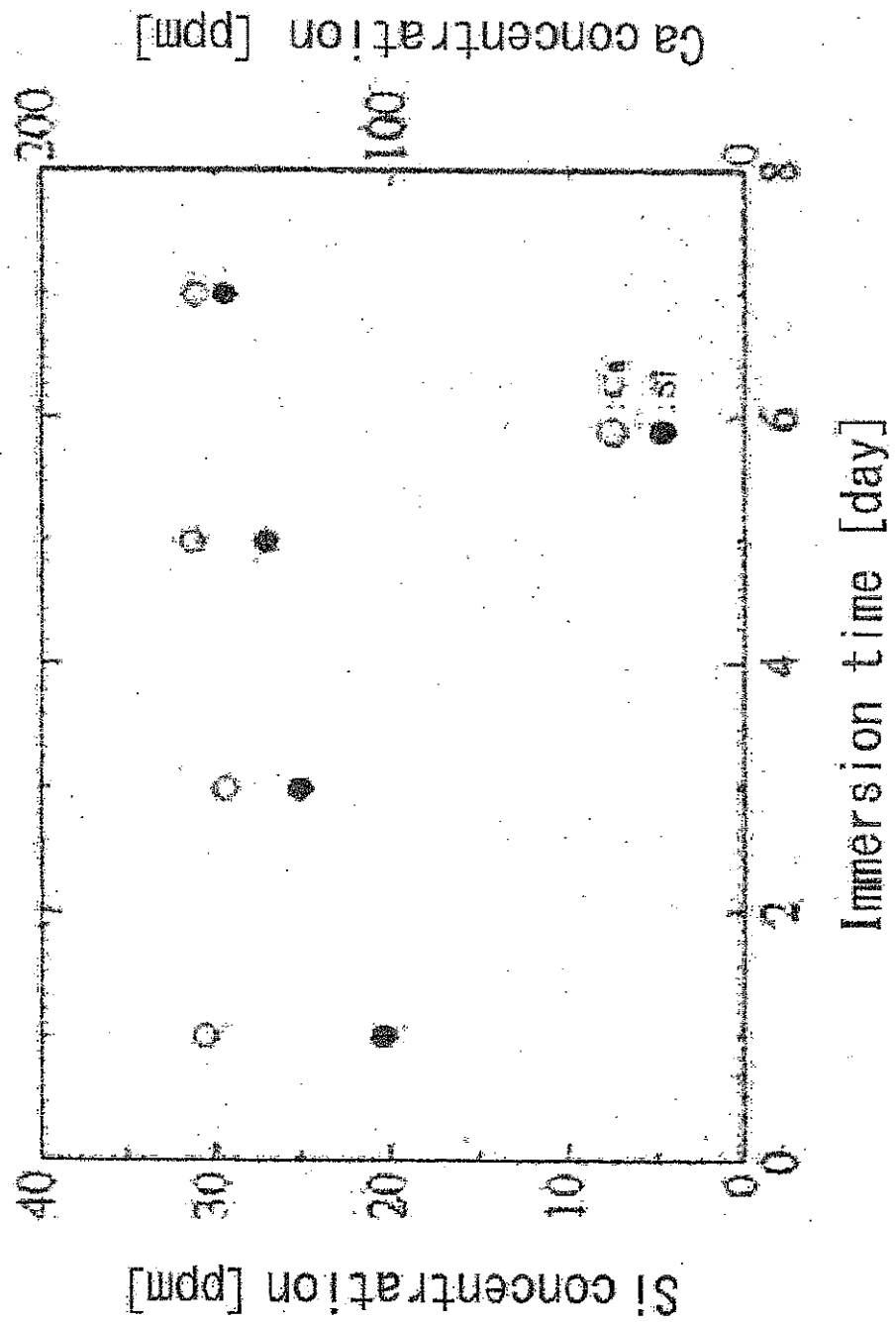
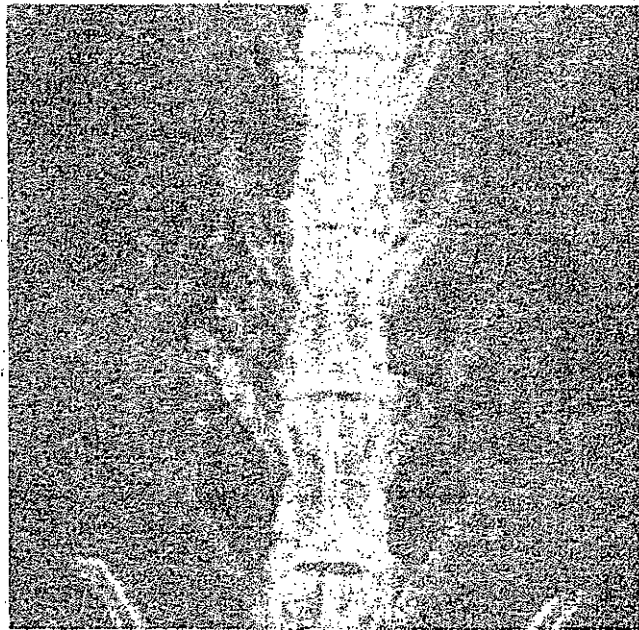
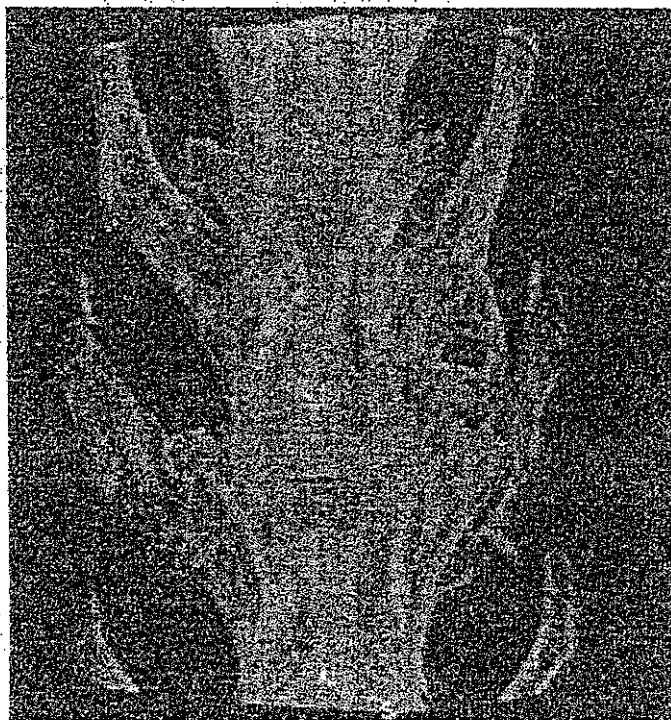


FIG. 11

(A)



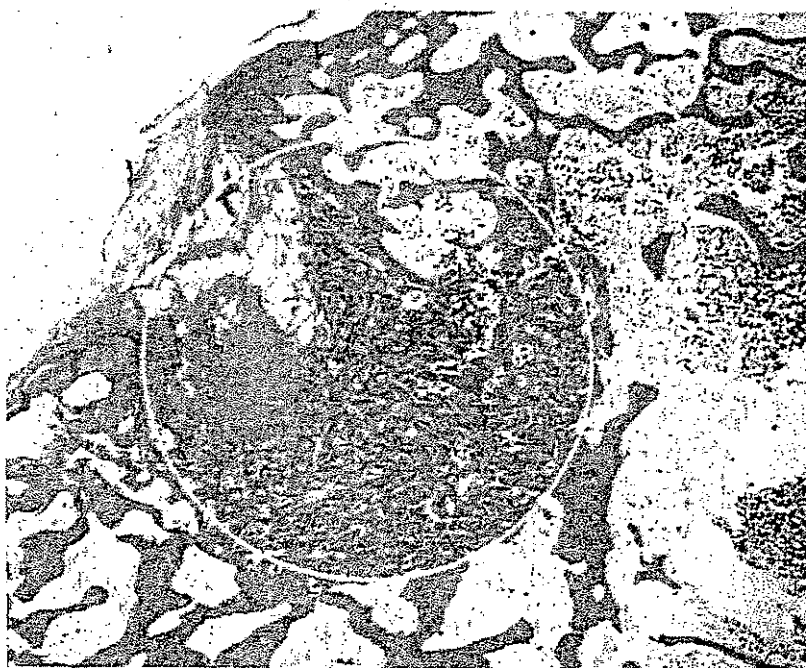
(B)



12/25

FIG. 12

(A)



(B)

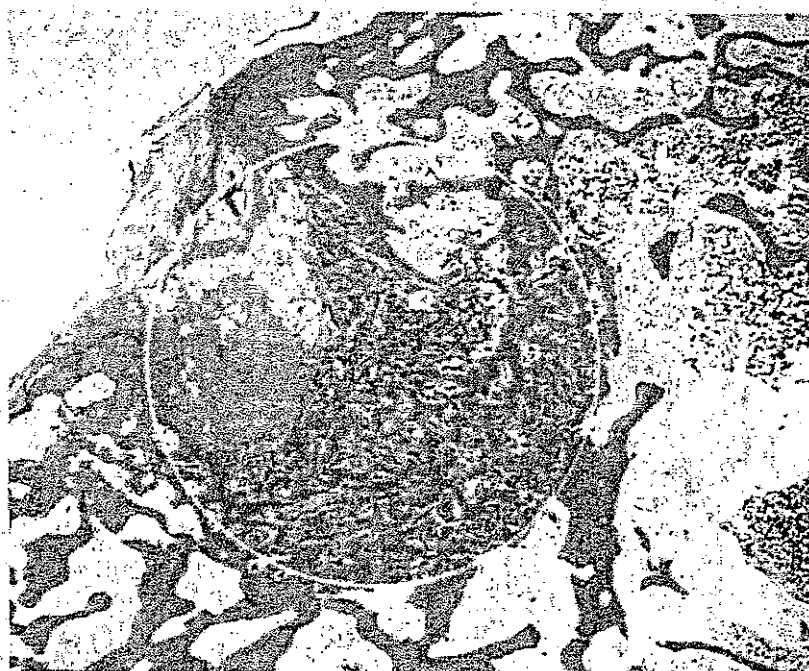
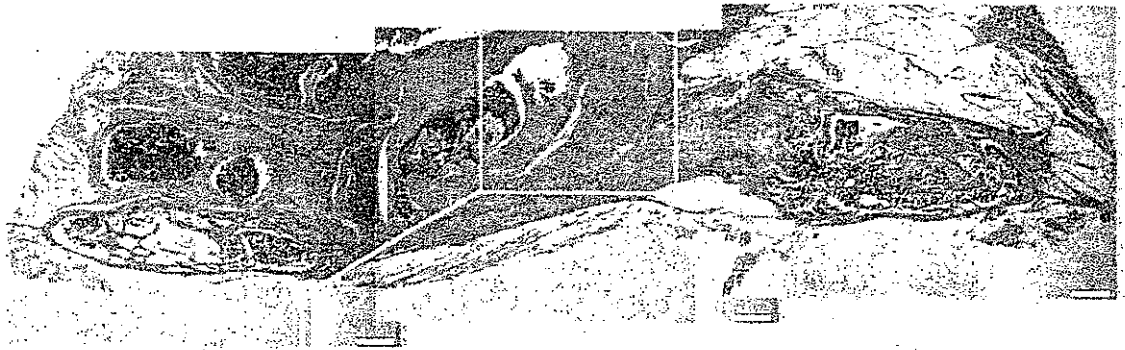


FIG. 13

(A)



(B)



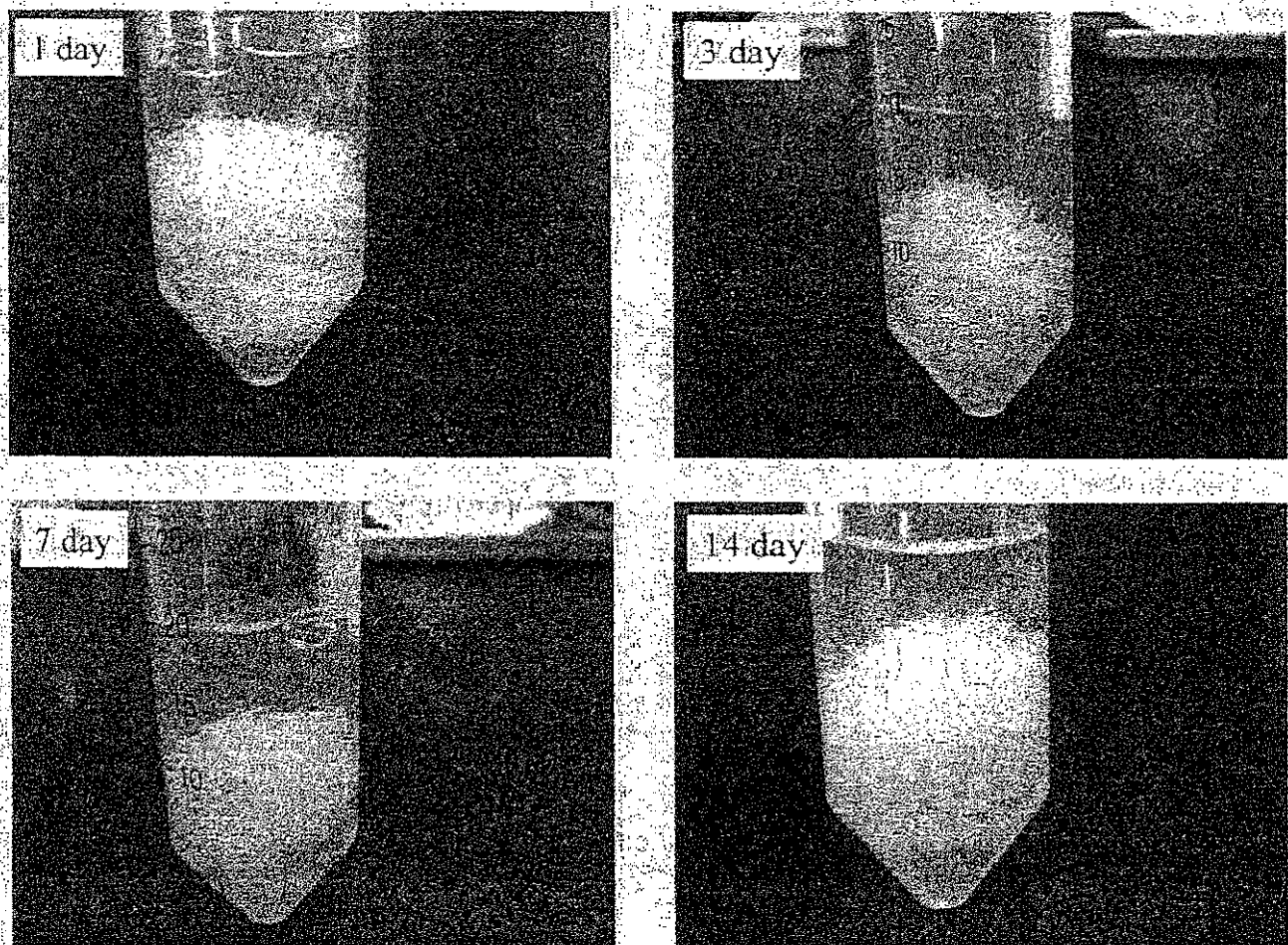
(C)



14/25

FIG. 14(1)

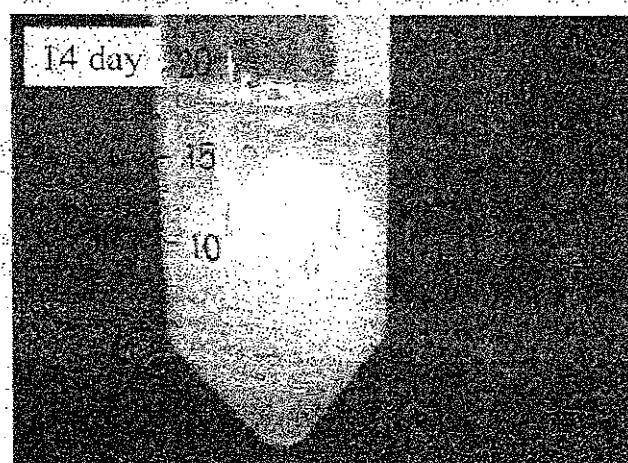
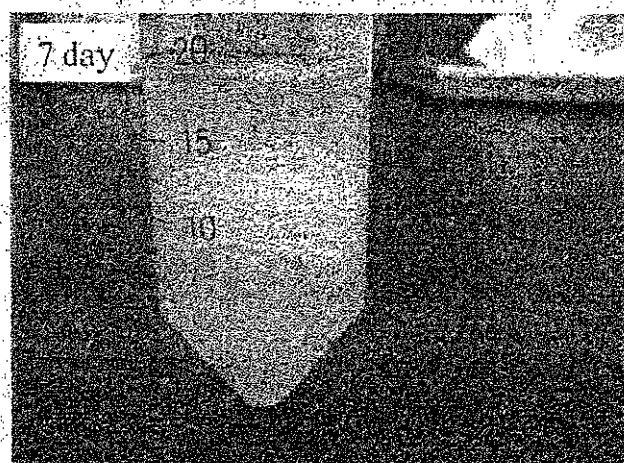
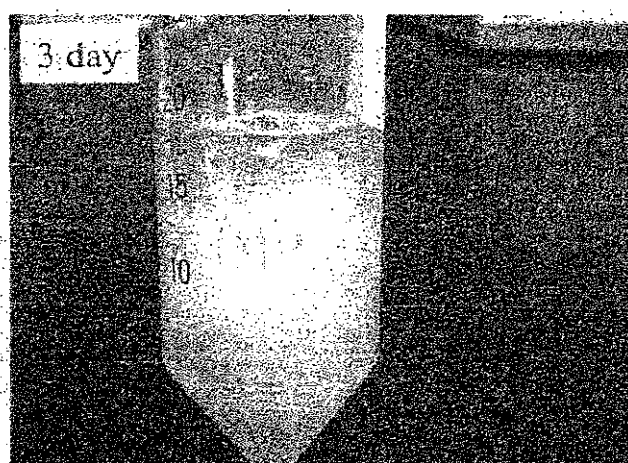
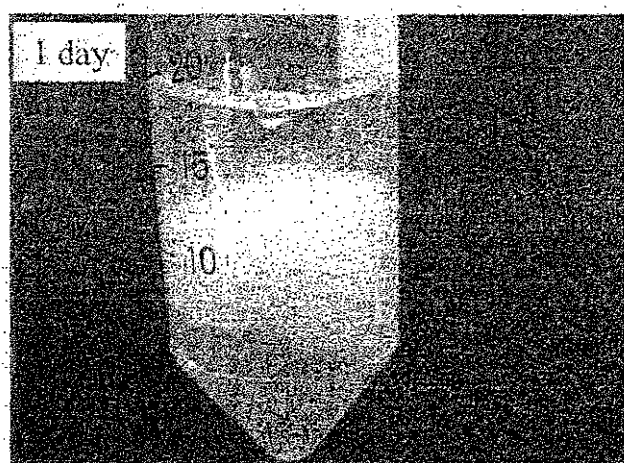
(After having been stirred lightly) Sample [1]



15/25

FIG. 14(2)

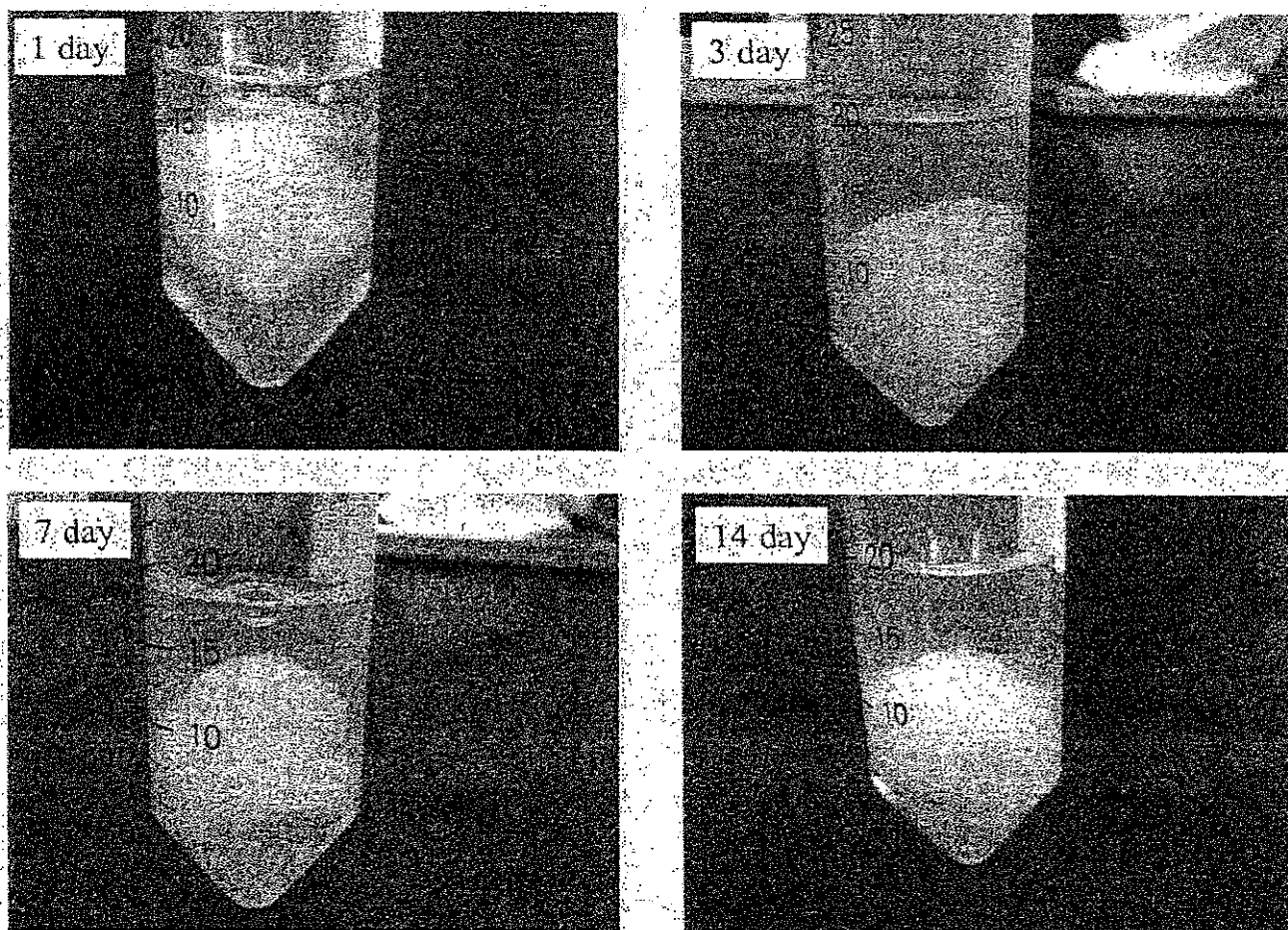
(After having been stirred lightly) Sample [2]



16/25

FIG. 14(3)

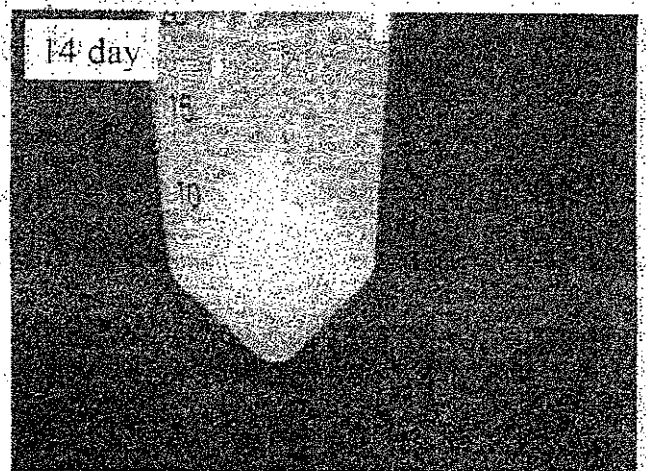
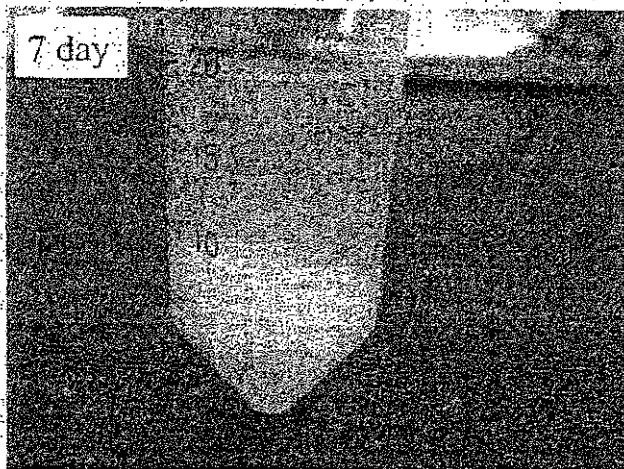
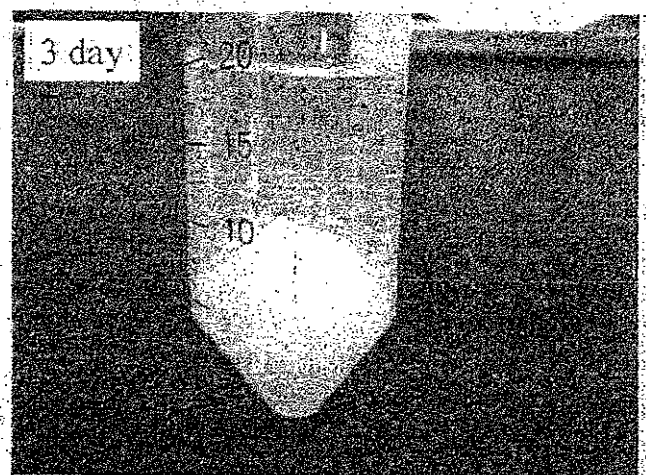
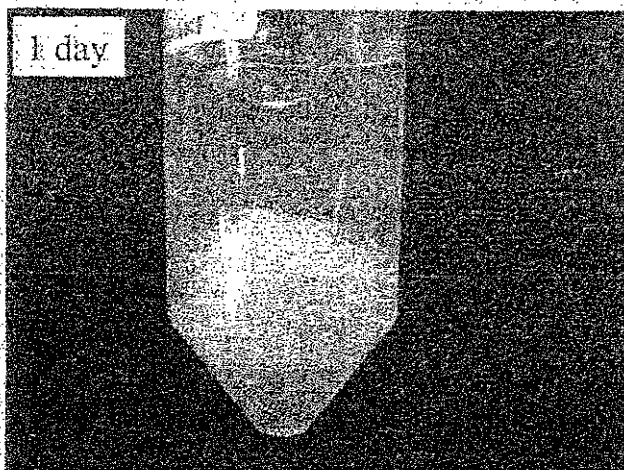
(After having been stirred lightly) Sample [5]



17/25

FIG. 14(4)

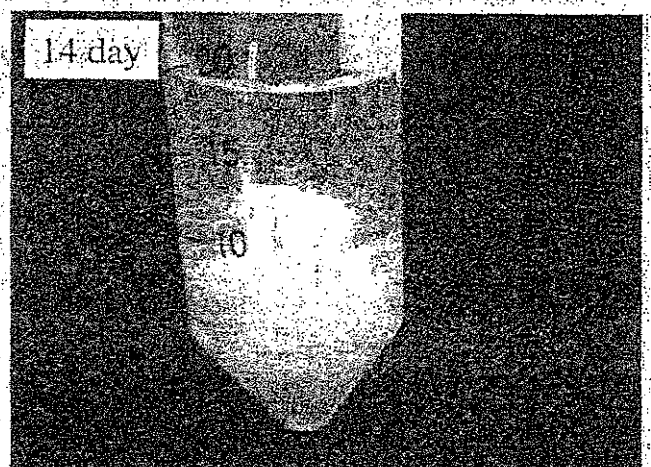
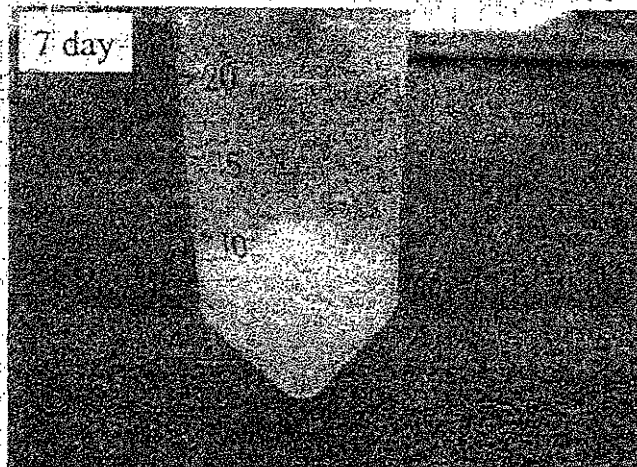
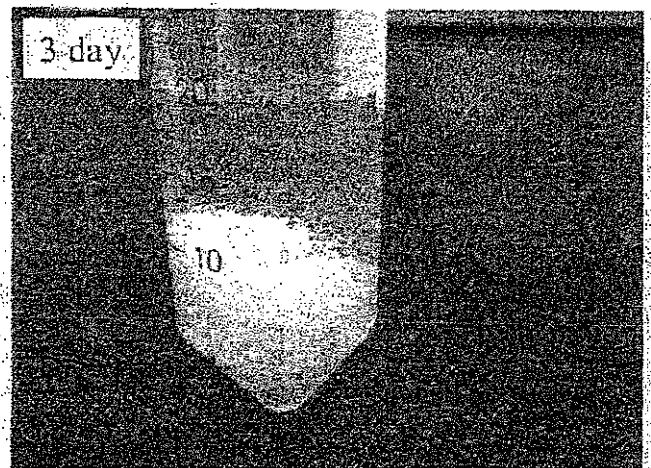
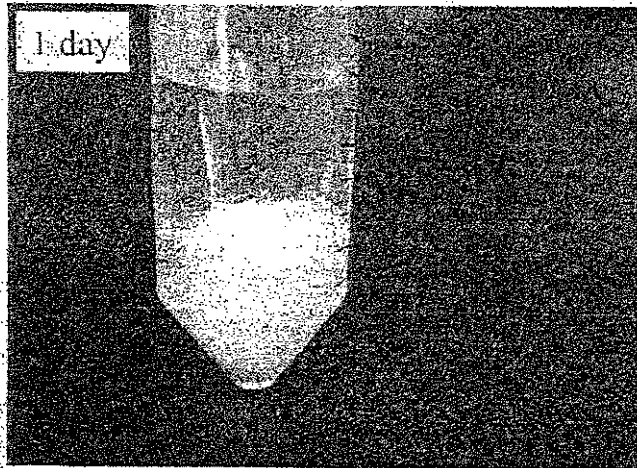
(After having been stirred lightly) Sample [3]



18/25

FIG. 14(5)

(After having been stirred lightly) Sample [4]



19/25

FIG. 15

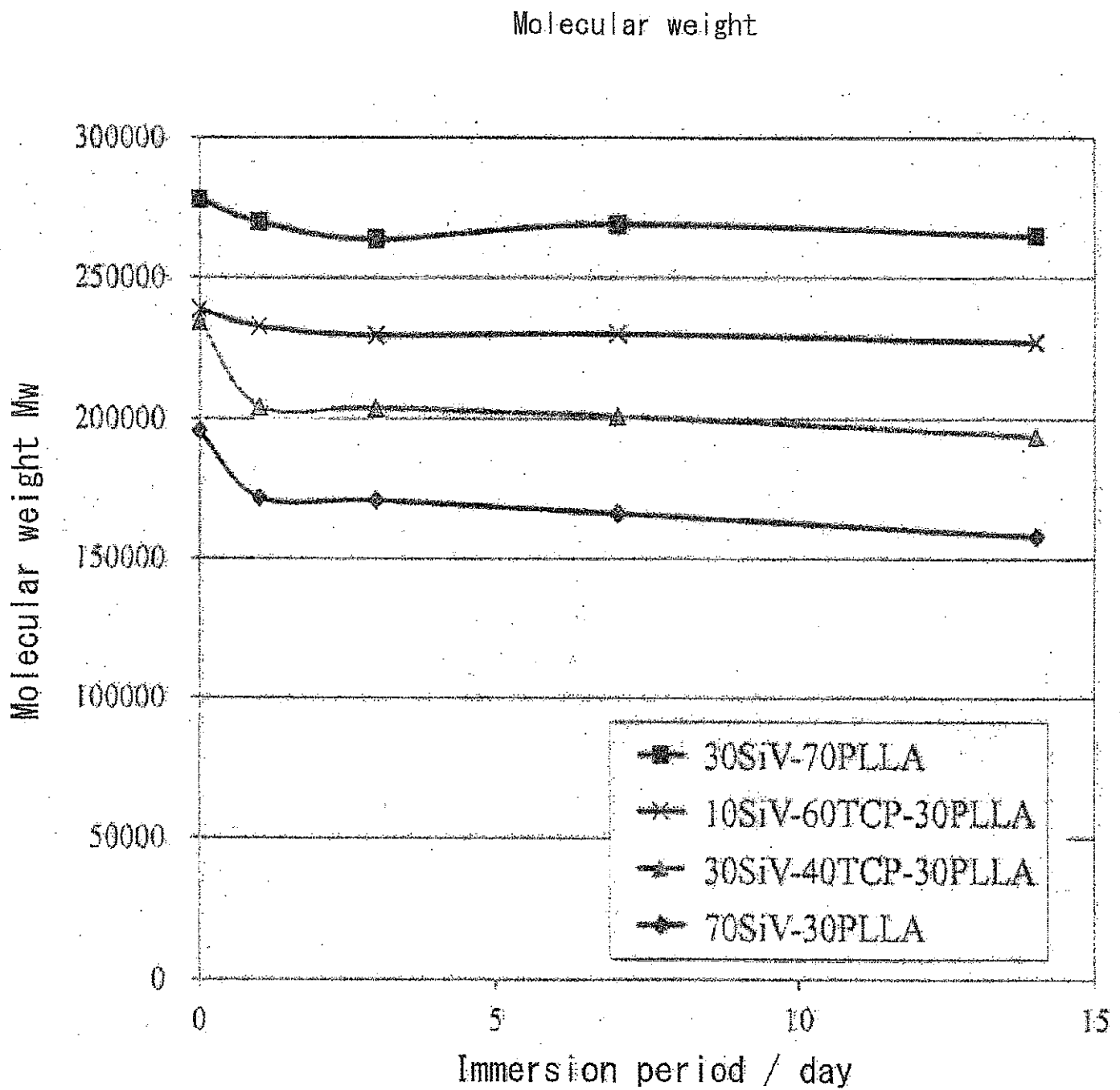


FIG. 16

Dry weight

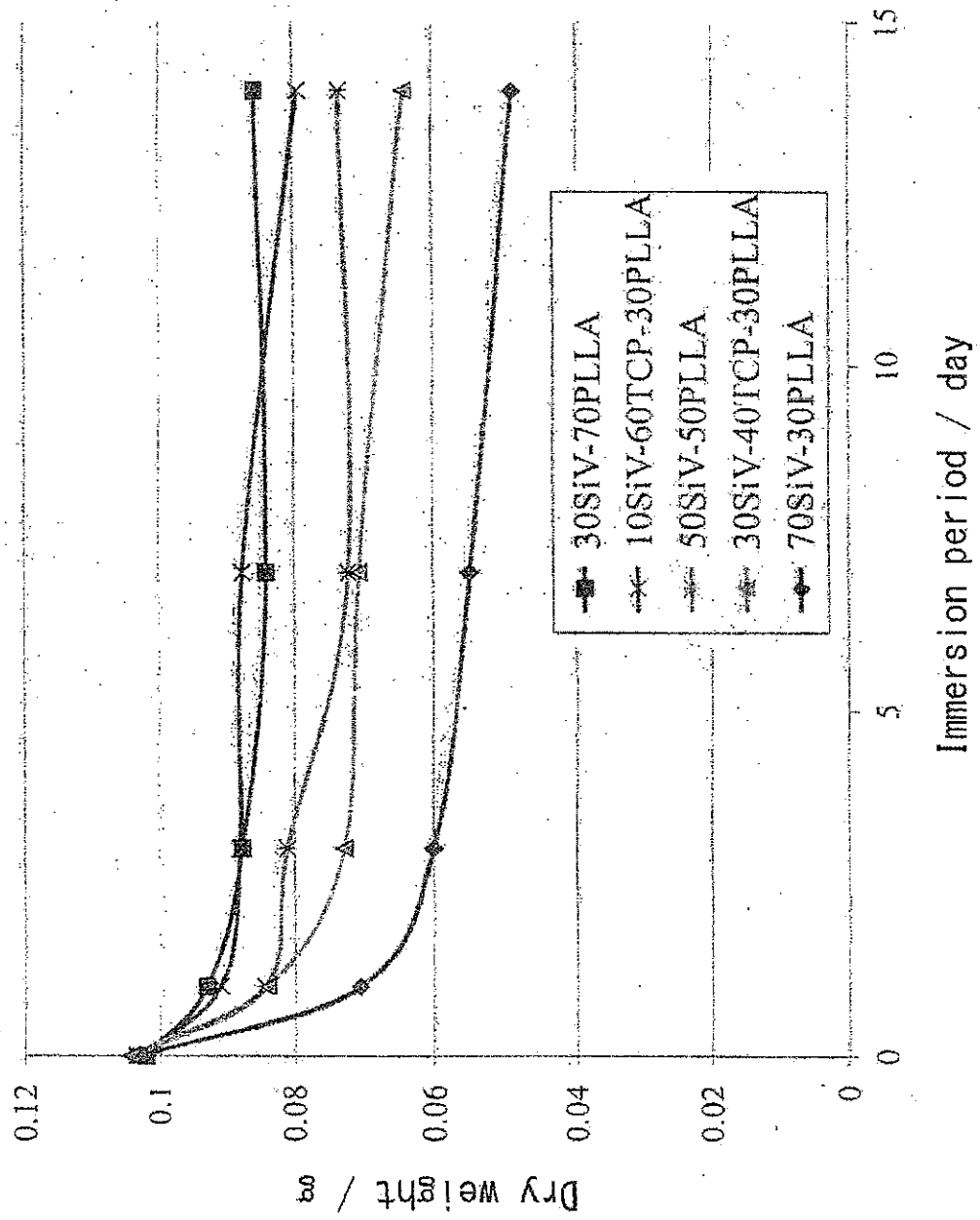


FIG. 17(1)

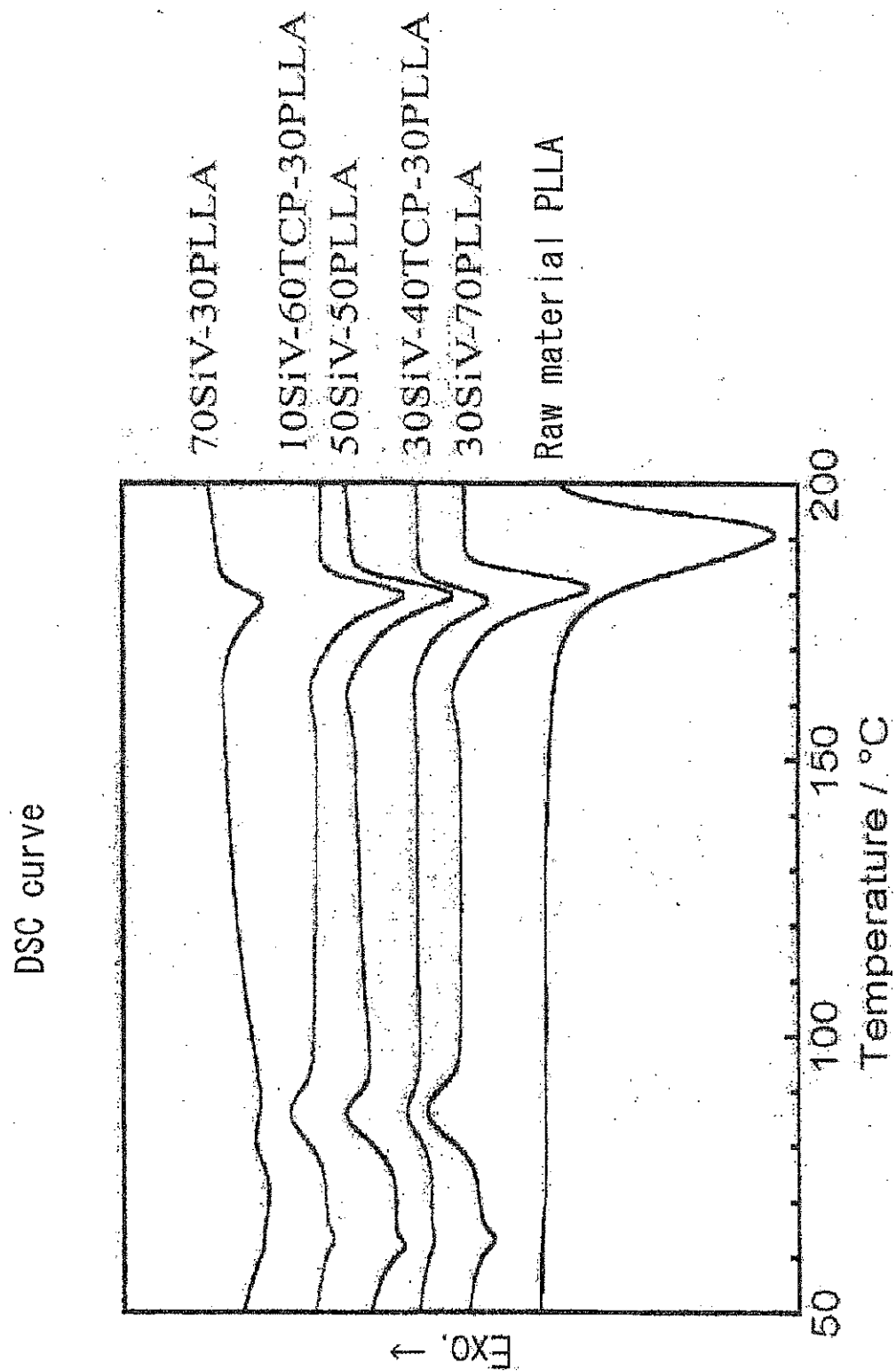


FIG. 17(2)

DSC measurement results

Sample name	Recrystallization point (°C)	ΔH_c	Melting point (°C)	ΔH_f	Degree of crystallinity (%)
70SIV-30PLLA	81.5	1.525	178.3	8.574	7.5
10SIV-60TCP-30PLLA	86.1	5.84	179.7	14.259	9.0
50SIV-50PLLA	86.0	7.478	179.7	21.914	15.4
30SIV-40TCP-30PLLA	86.2	3.54	178.8	12.042	9.1
30SIV-70PLLA	86.4	12.183	181.2	32.598	21.8
Raw material PLLA	---	---	190.9	70.04	74.7

FIG. 18(1)

DSC curve

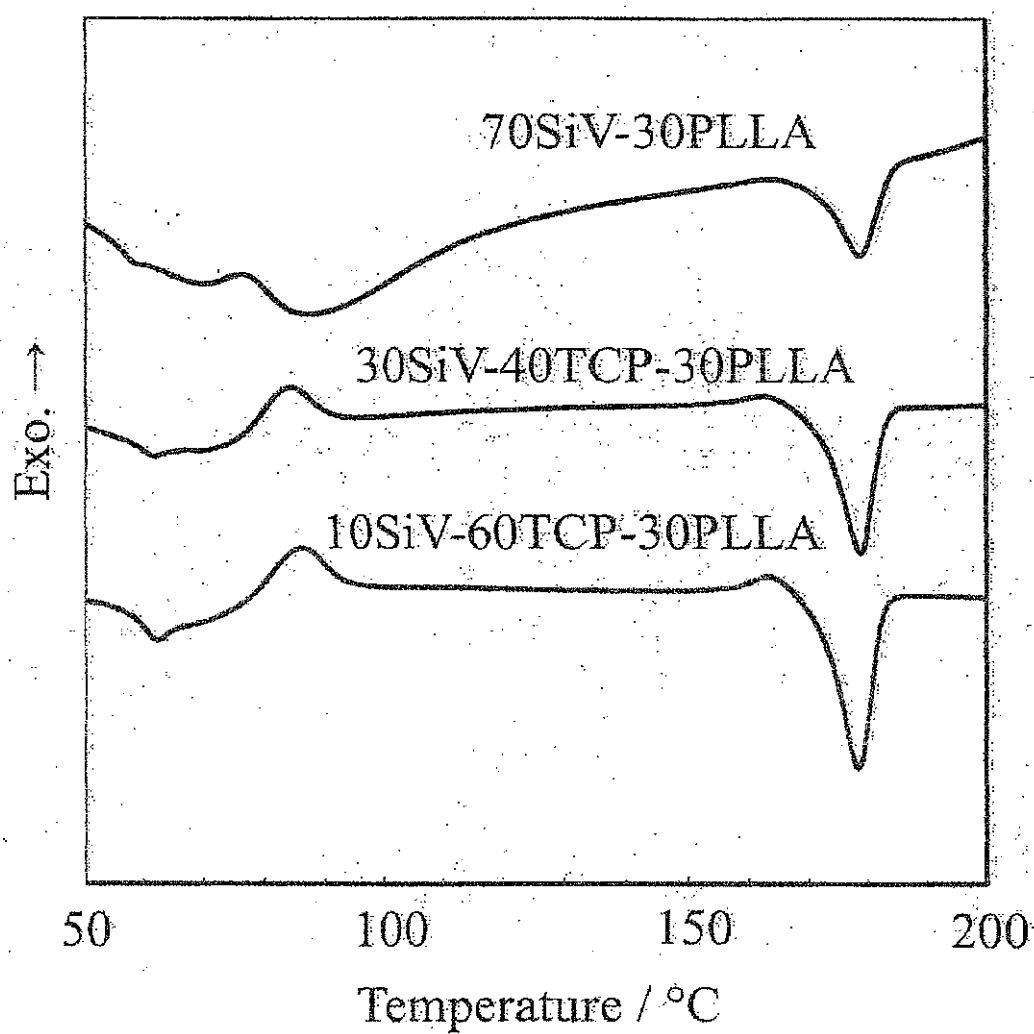


FIG. 18(2)

DSC measurement results

Sample name	Recrystallization point (°C)	ΔH_c	Melting point (°C)	ΔH_f	Degree of crystallinity (%)
70SiV-30PLLA	76.2	1.895	178.9	9.558	8.2
30SiV-40TCP-30PLLA	84.5	5.021	178.8	13.613	9.2
10SiV-60TCP-30PLLA	86.4	5.941	178.4	15.875	10.6

FIG. 19

Specimen	Lot number	Weight average molecular weight (M_w)	Average
Raw material PLLA	1203000584	273000	—
30SiV-40TCP-30PLLA (before sterilization)	T4E20AB	230000	229333
		228000	
		230000	
30SiV-40TCP-30PLLA (after sterilization)	T4D23AB	89000	88000
		87000	
		88000	