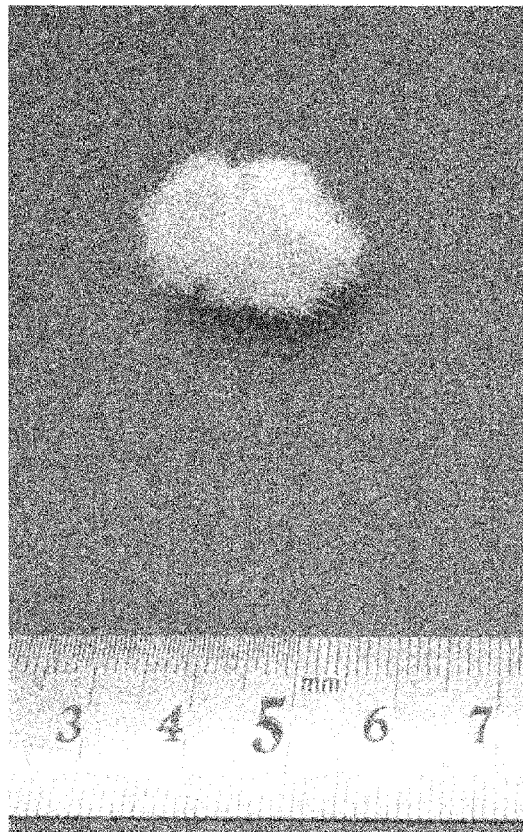


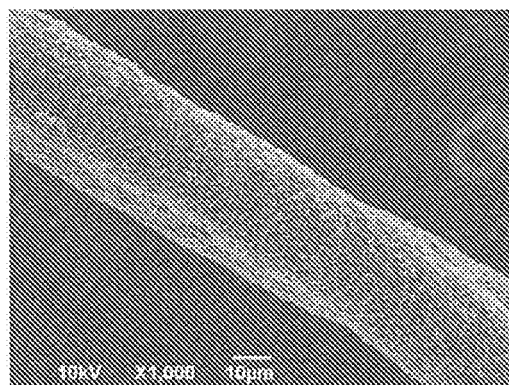
[図1]

図1



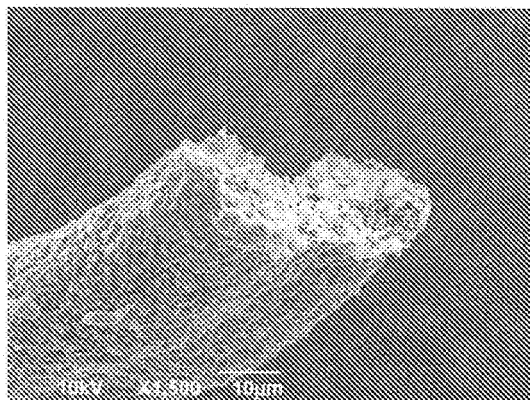
[図2]

図2



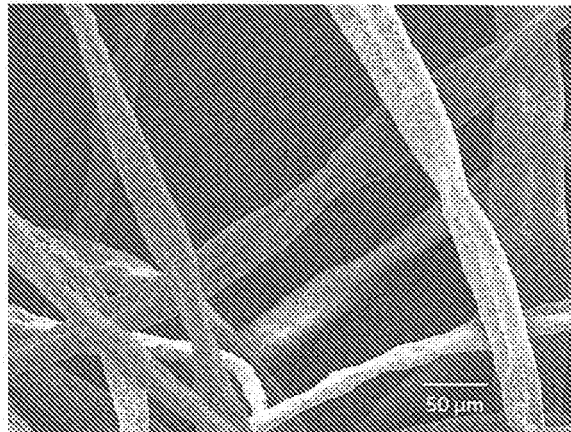
[図3]

図3



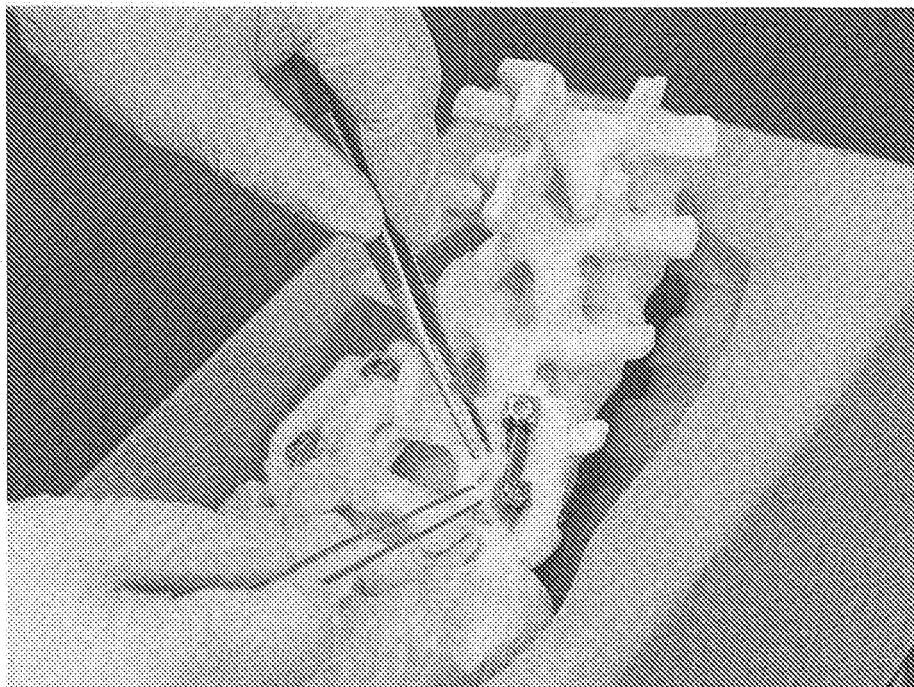
[図4]

図4



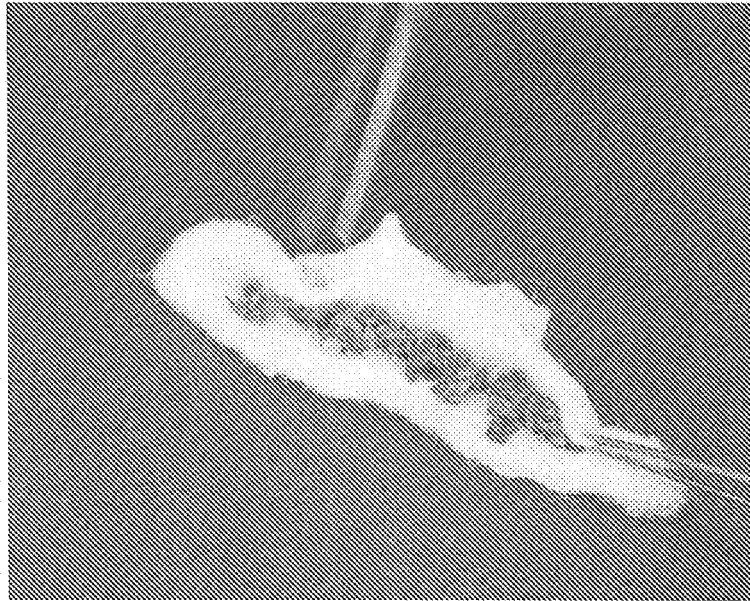
[図5]

図5



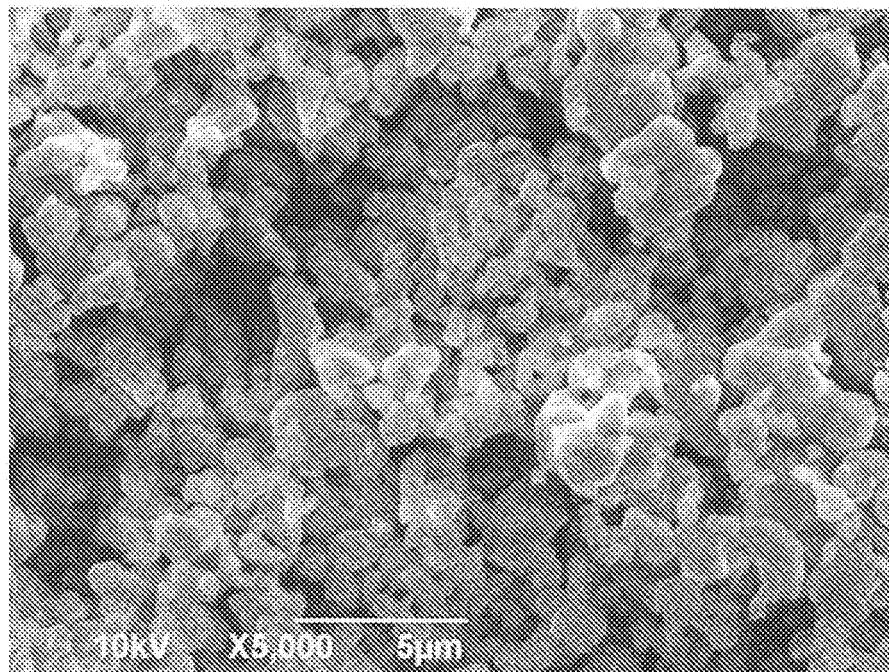
[図6]

図6



[図7]

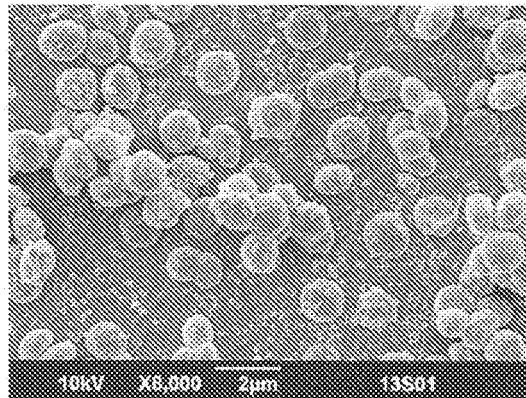
図7



[図8]

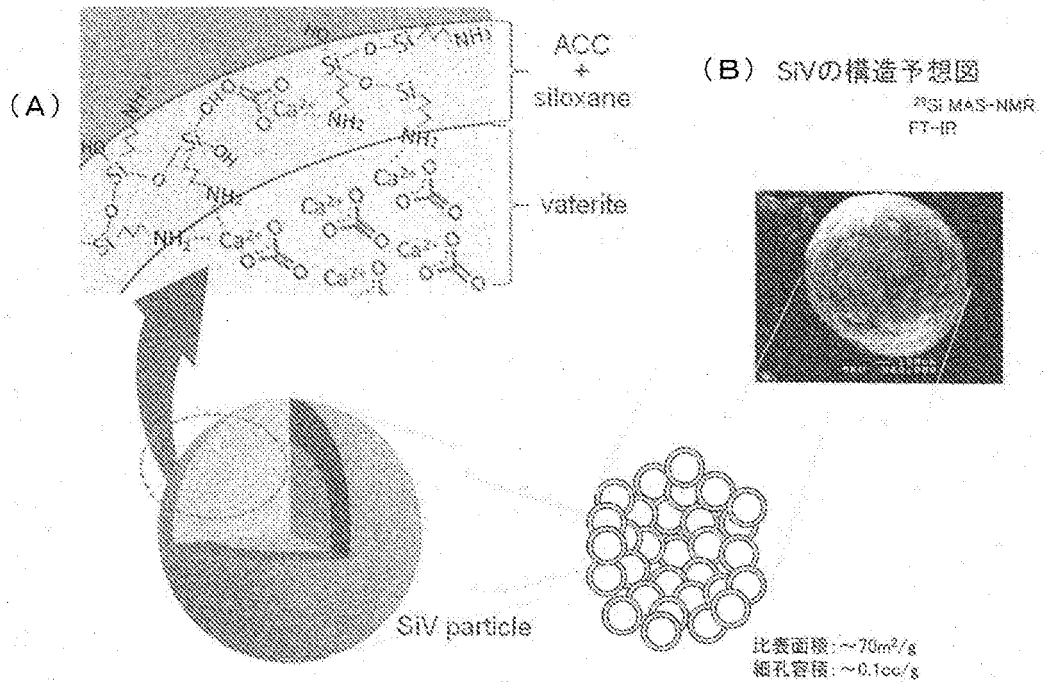
図8

SiV粒径



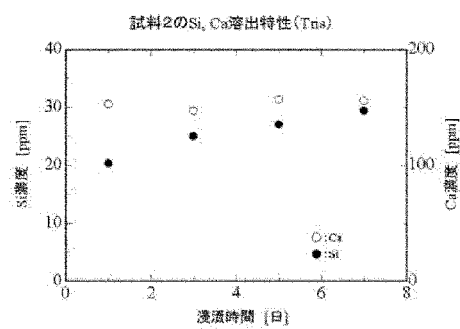
[図9]

図9



[図10]

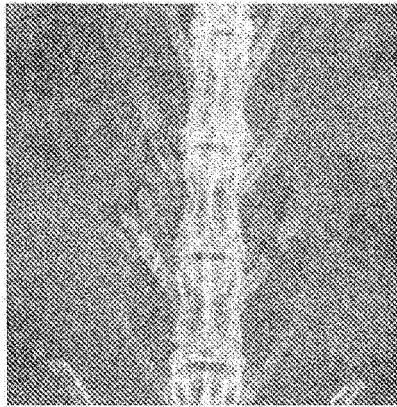
図10



[図11]

図11

(A)



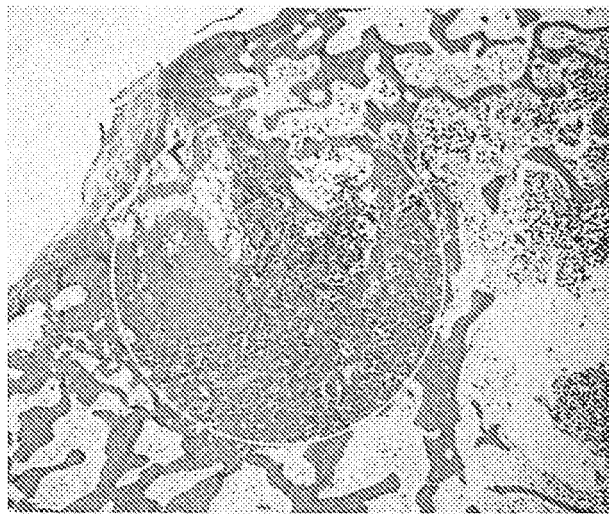
(B)



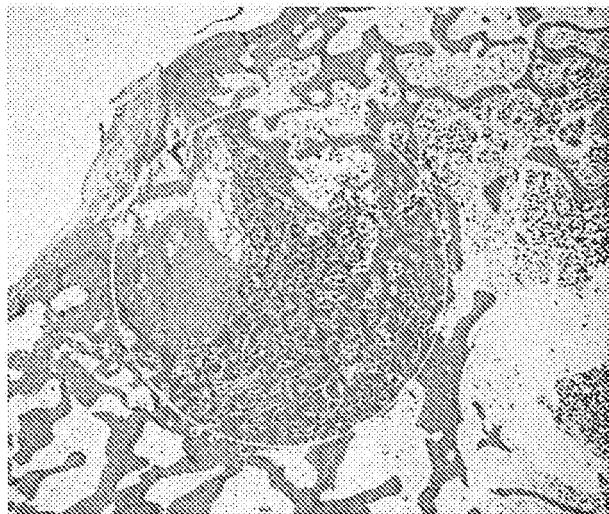
[図12]

図12

(A)

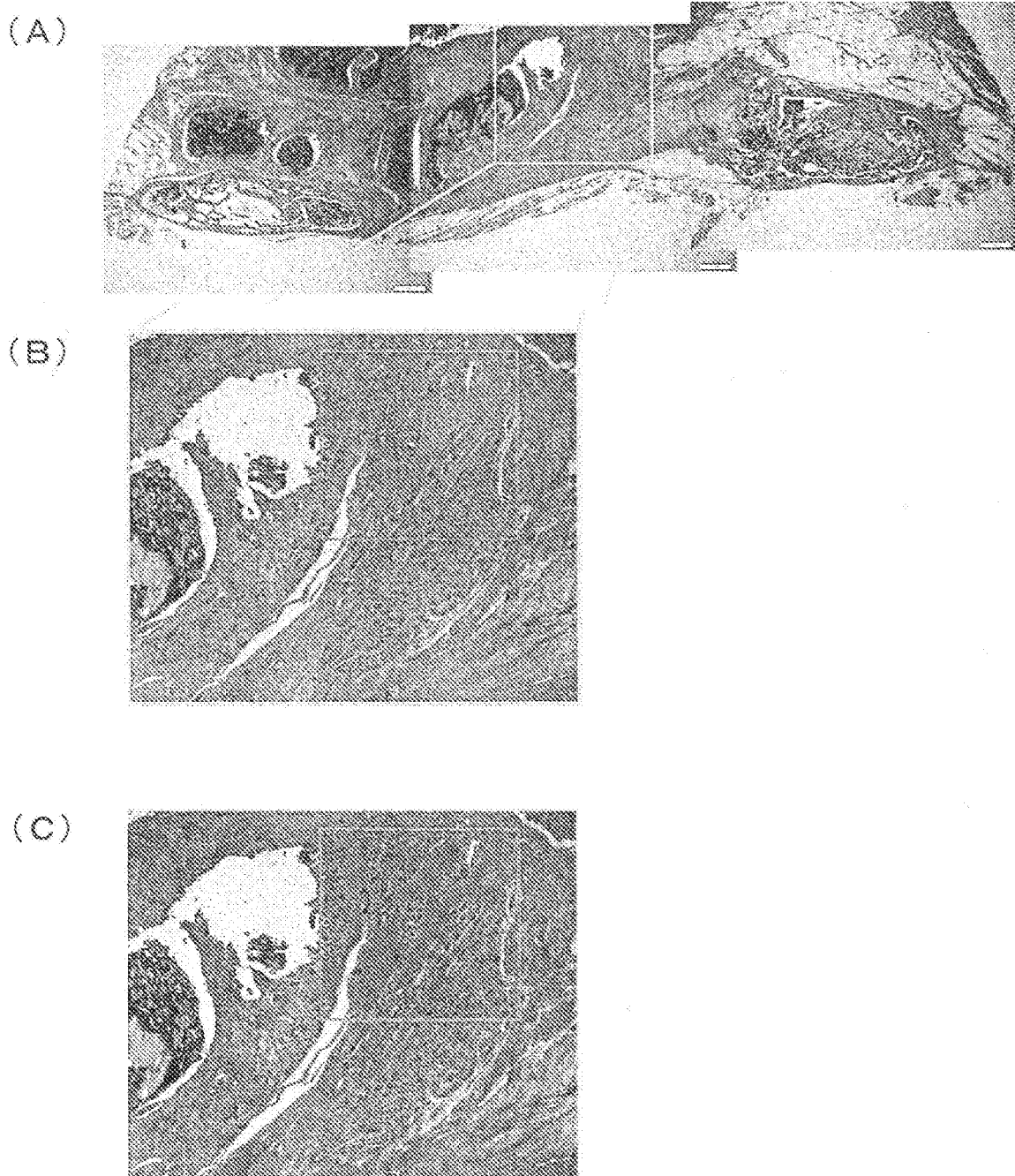


(B)



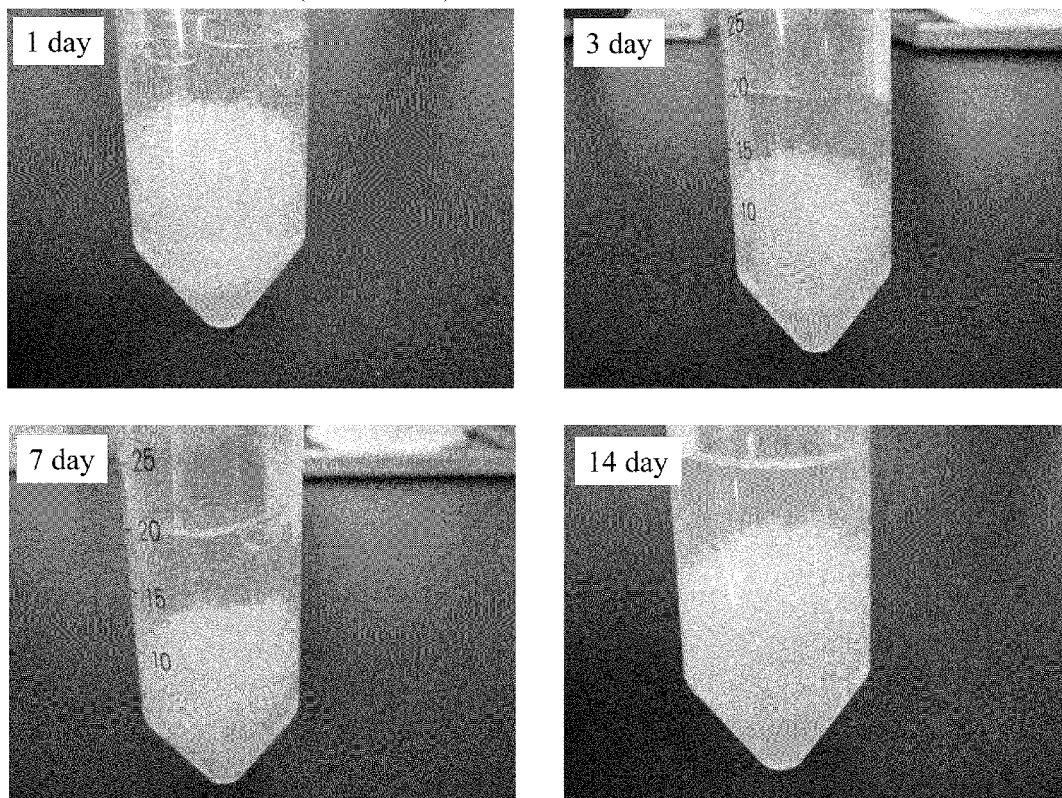
[図13]

図13



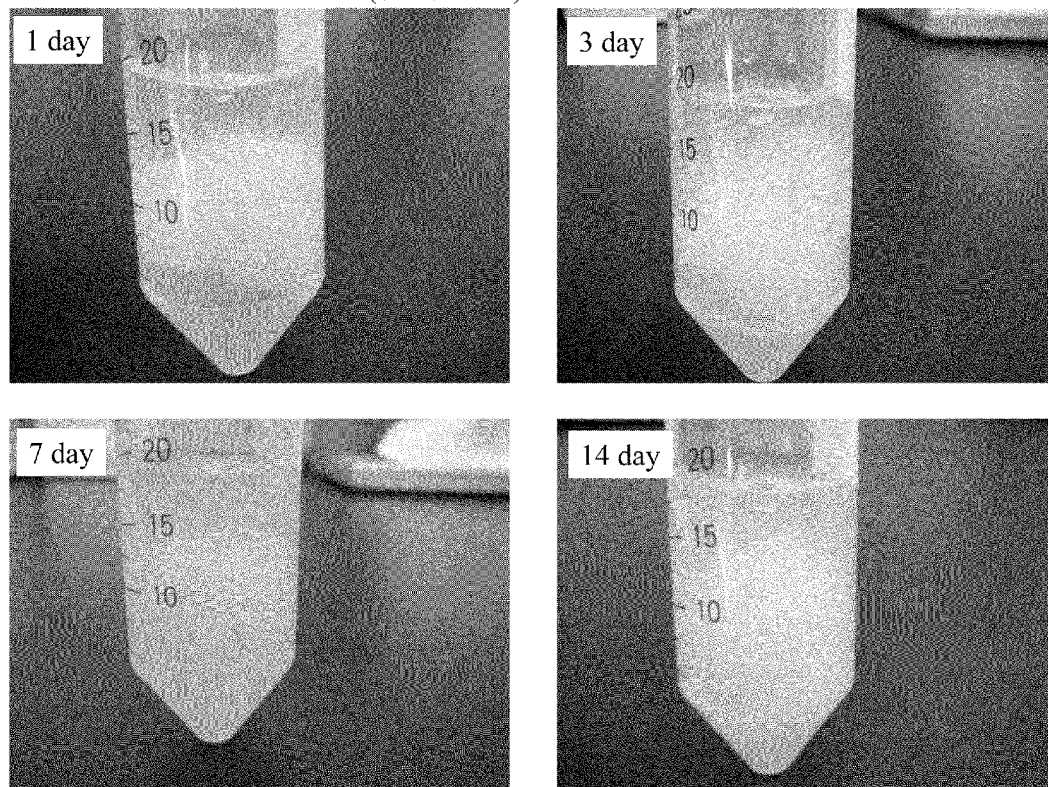
[図14(1)]

図14(1) 30SiV-70PLLA (軽く攪拌後) サンプル[1]



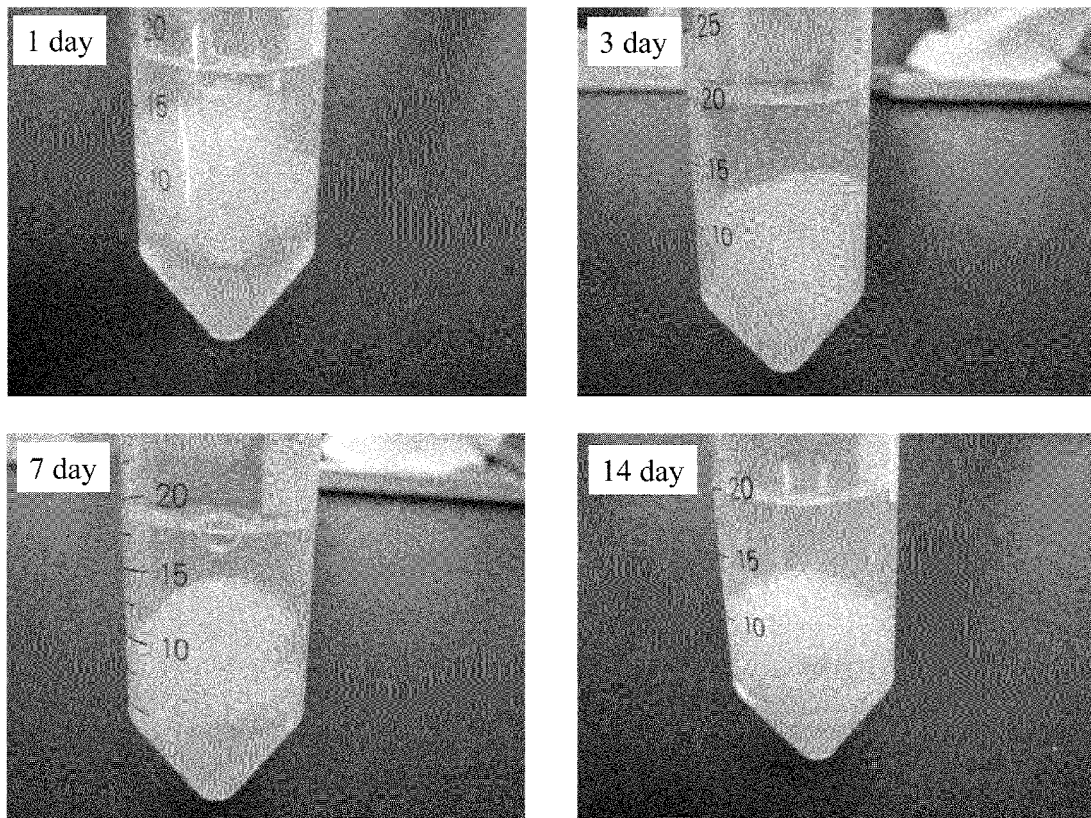
[図14(2)]

図14(2) 70SiV-30PLLA (軽く攪拌後) サンプル[2]



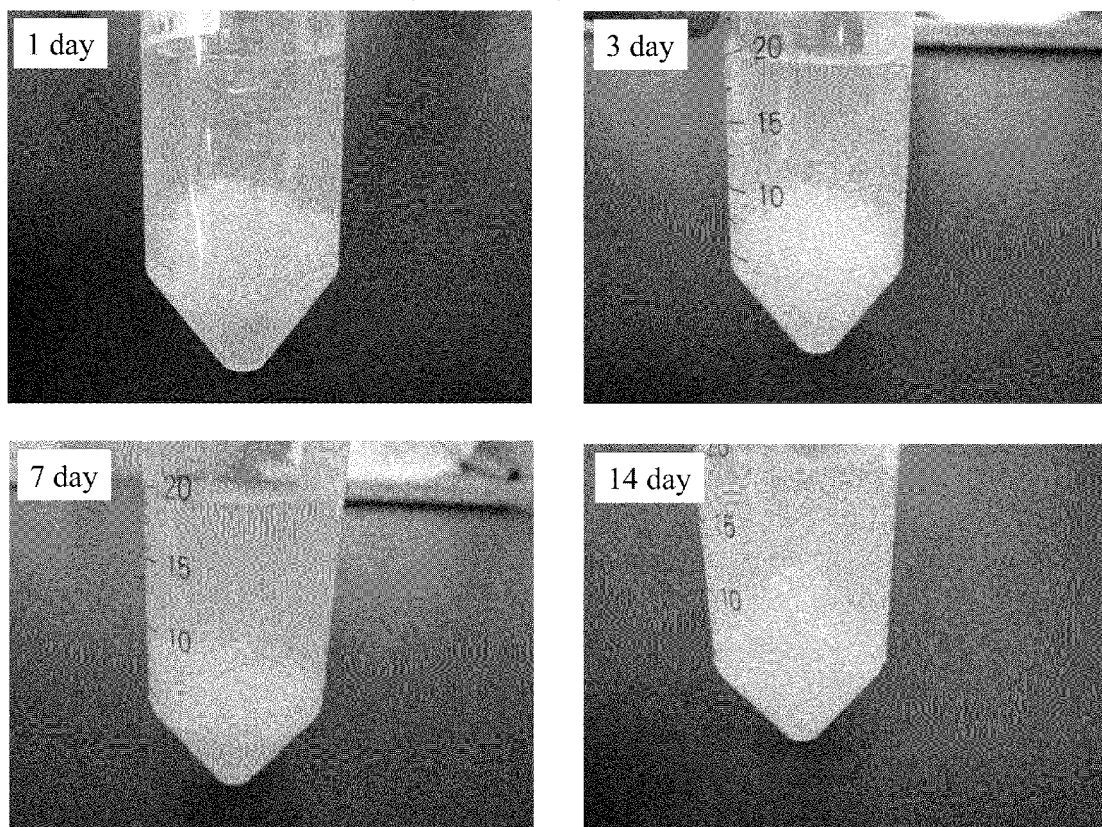
[図14(3)]

図14(3) 50SiV-50SiV(軽く攪拌後) サンプル[5]



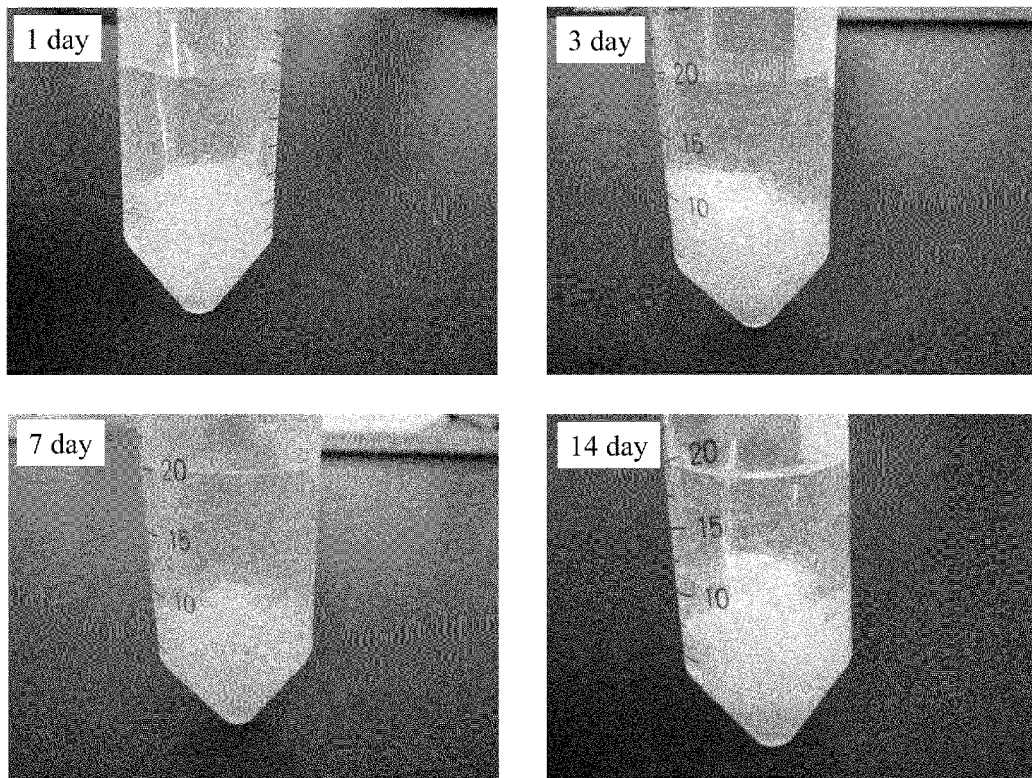
[図14(4)]

図14(4) 30SiV-40TCP-30PLLA (軽く攪拌後) サンプル[3]



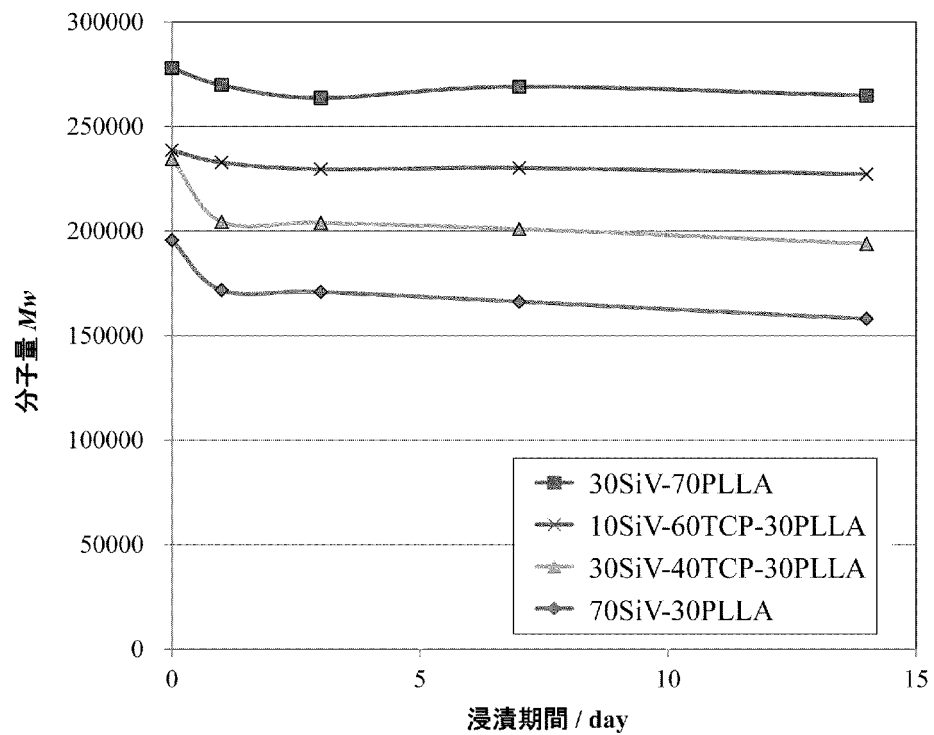
[図14(5)]

図14(5) 10SiV-60TCP-30 PLLA (軽く攪拌後) サンプル[4]



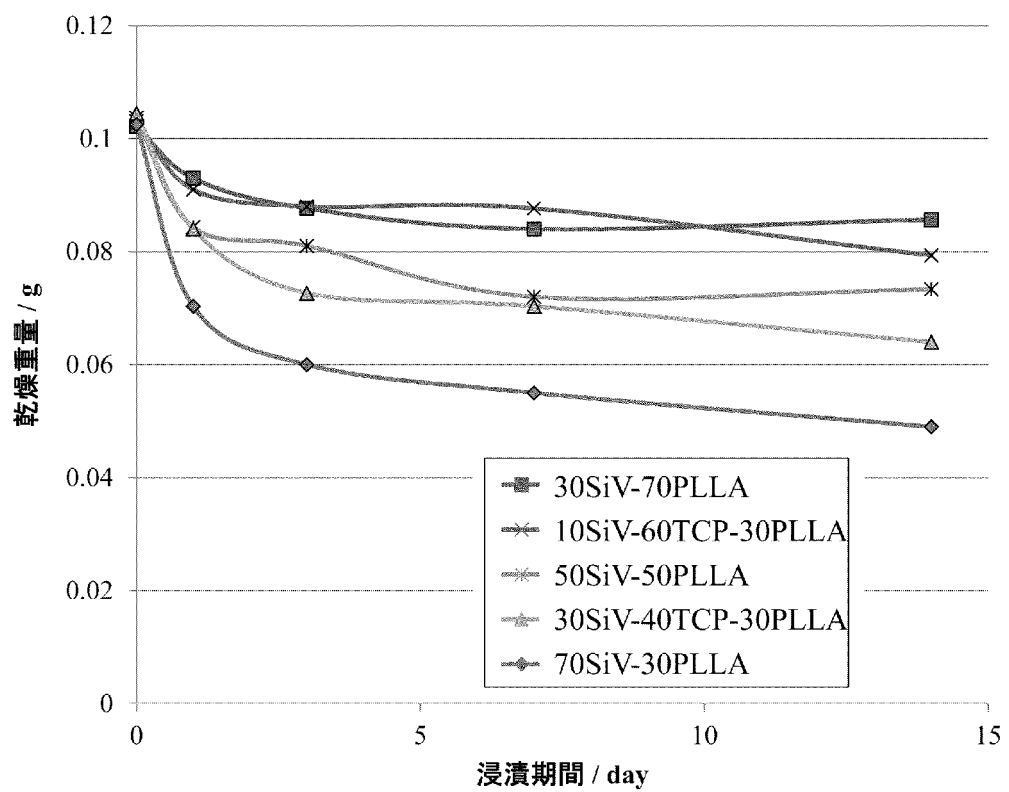
[図15]

図15 分子量



[図16]

図16 乾燥重量



[図17]

図17(1) DSC曲線

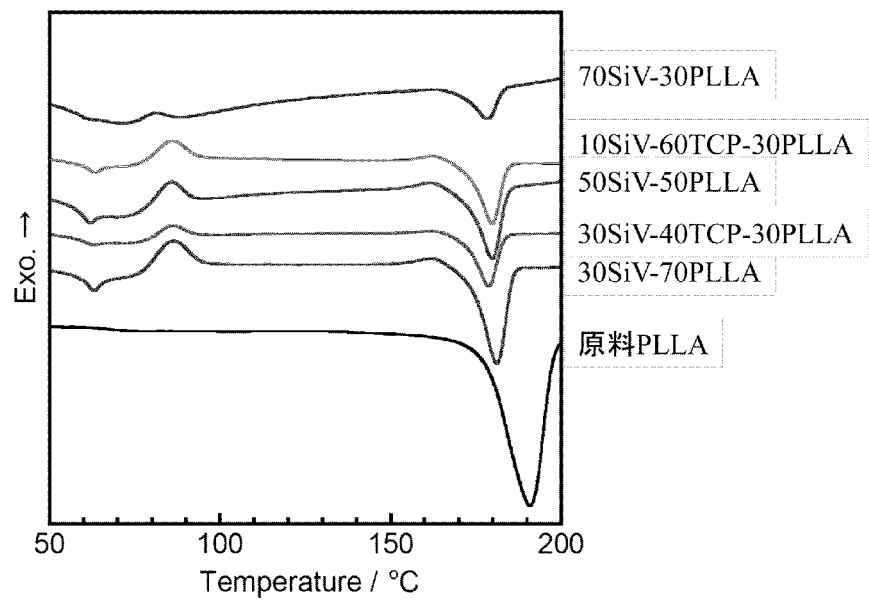


図17(2) DSC測定結果

試料名	再結晶化点 (°C)	ΔH_c	融点 (°C)	ΔH_f	結晶化度 (%)
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
原料PLLA	---	---	190.9	70.04	74.7

[図18]

図18 (1) DSC曲線

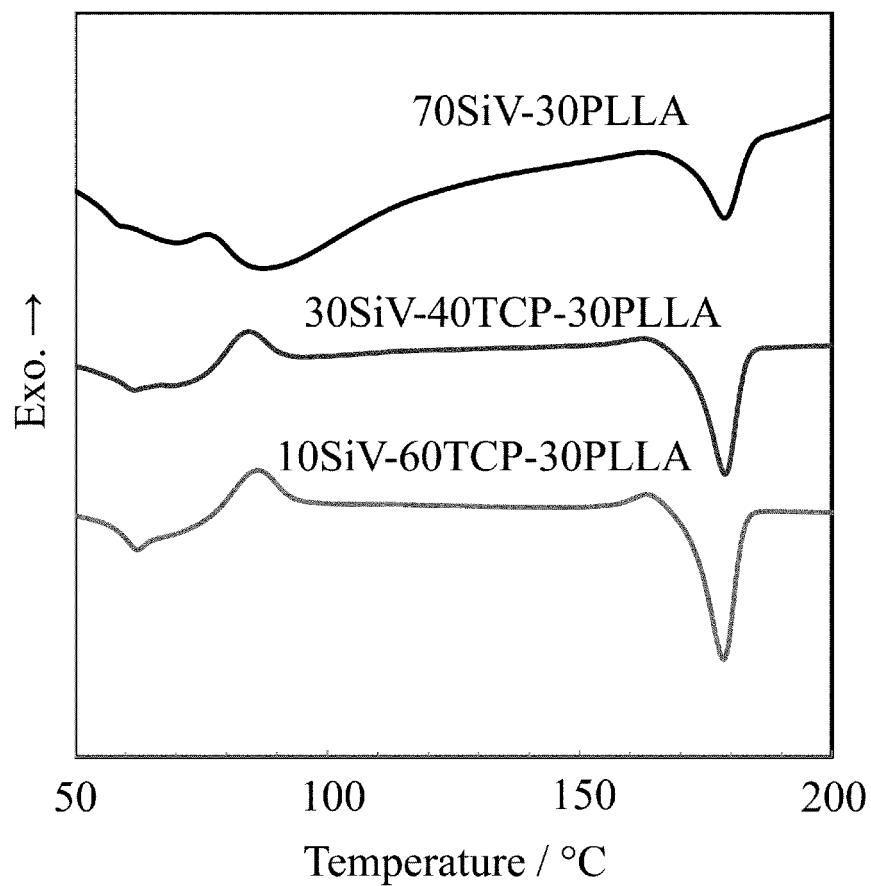


図18 (2) DSC測定結果

試料名	再結晶化点 (°C)	ΔH_c	融点 (°C)	ΔH_f	結晶化度 (%)
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

[図19]

図19

検体	ロット番号	重量平均分子量 (M_w)	平均
原料PLLA	1203000584	273000	—
30SiV-40TCP-30PLLA (滅菌前)	T4E20AB	230000	229333
		228000	
		230000	
30SiV-40TCP-30PLLA (滅菌後)	T4D23AB	89000	88000
		87000	
		88000	