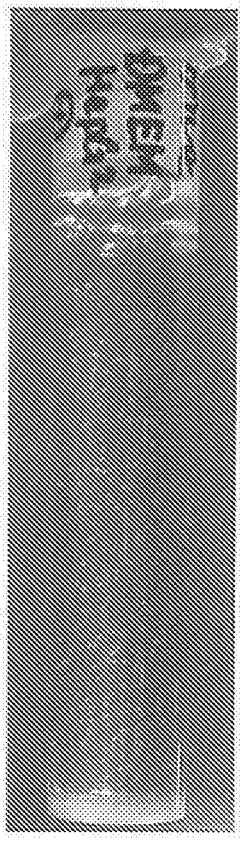
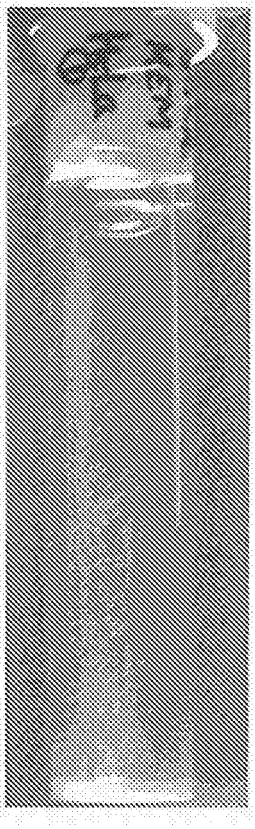
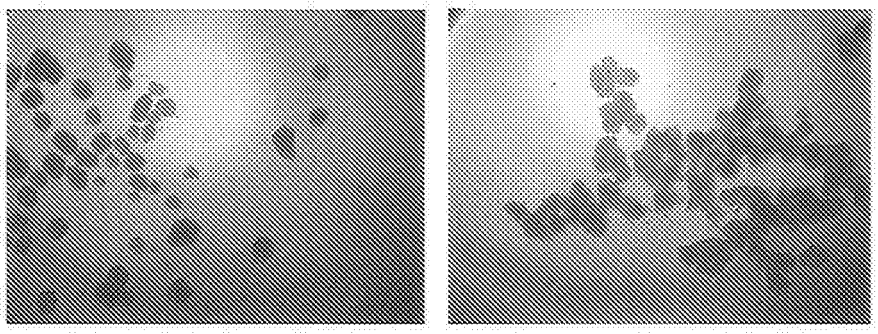
[図1]



[図2]

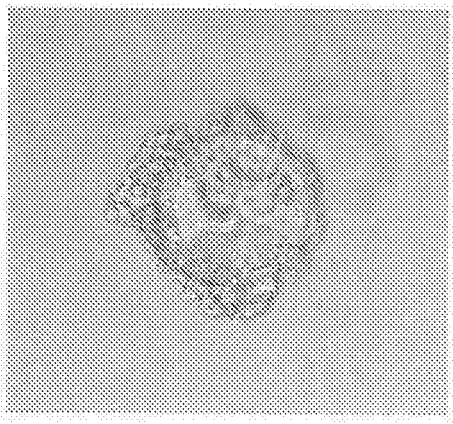


[図3]

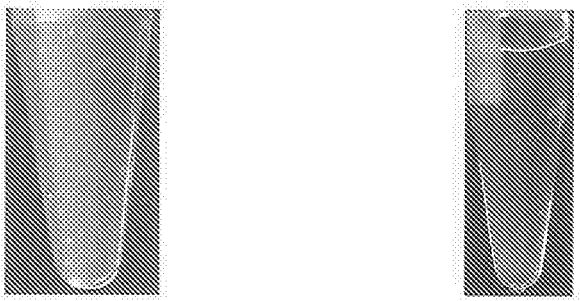


脱アシル化ジェランガム有り　　脱アシル化ジェランガム無し

[図4]



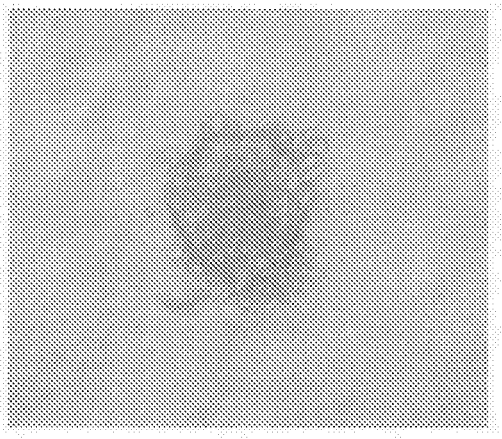
[図5]



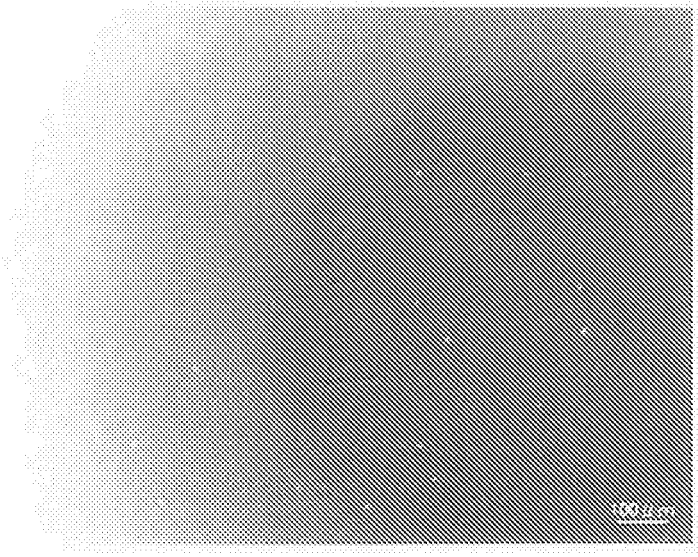
キサンタンガム
（0．１５％）

κ－カラギーナン＋ローカストビーンガム
（0．０５％　）＋（0．０５％）

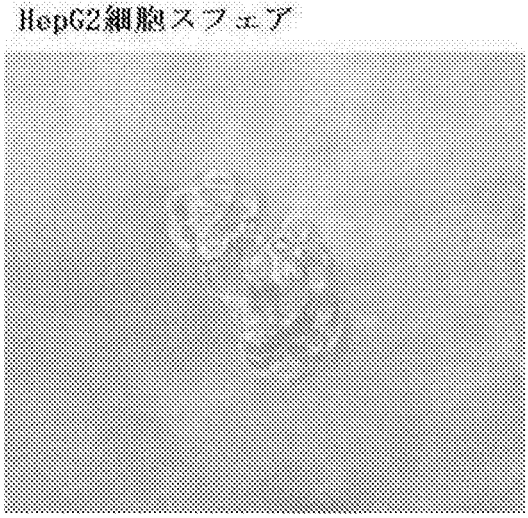
[図6]



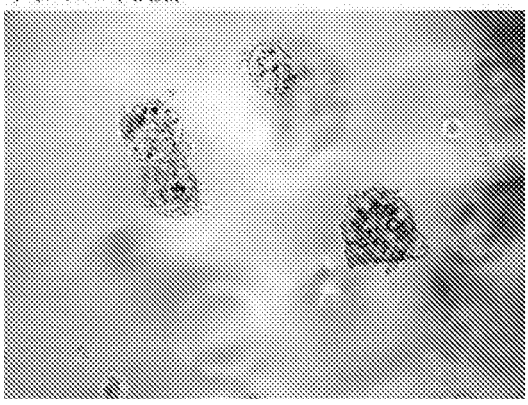
[図7]



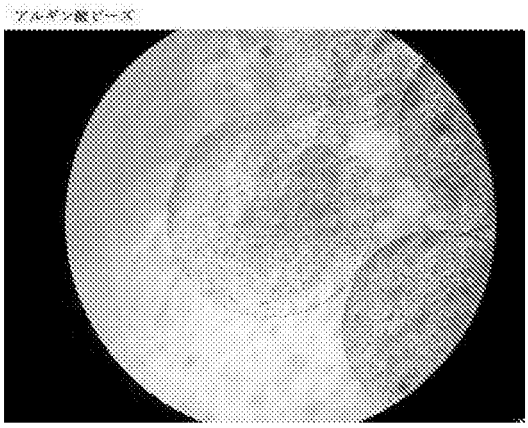
[図8]



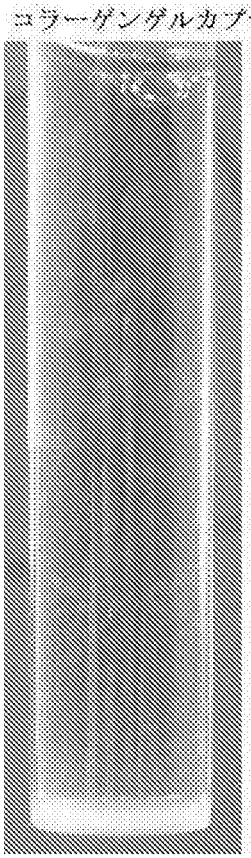
[図9]



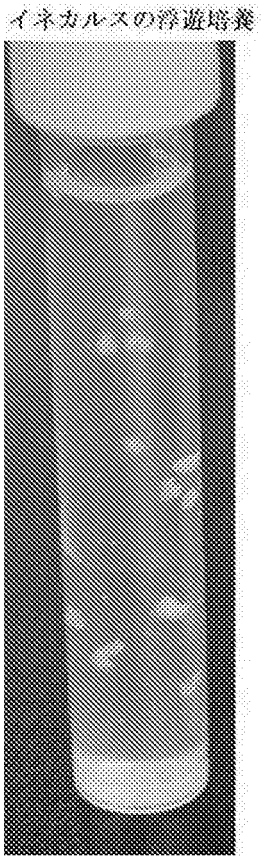
[図10]



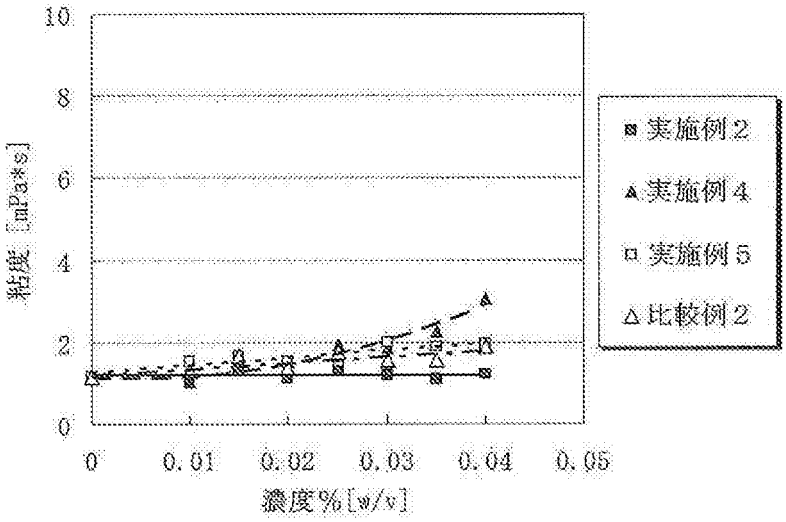
[図11]



[図12]

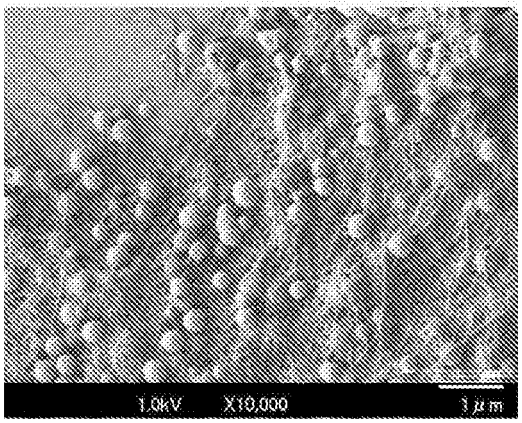

イネカルスの浮遊培養

[図13]


10
8
6
4
2
0
粘度［mPa*s］
0
0.01
0.02
0.03
0.04
0.05
濃度%［w/v］
実施例２
実施例４
実施例５
比較例２

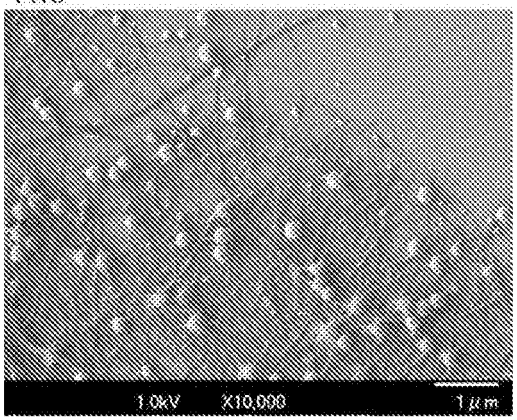
[図14]

MNC



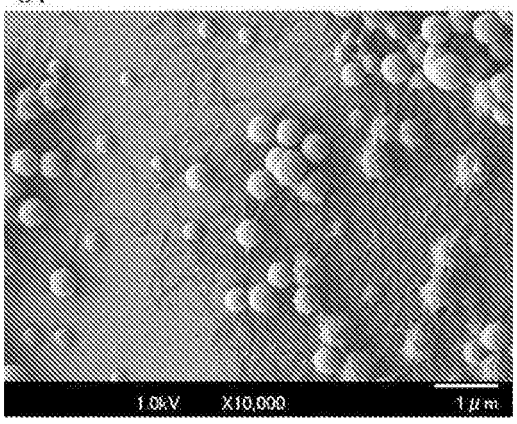
[図15]

PNC



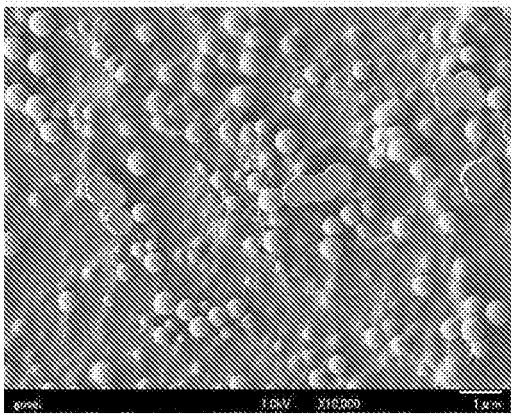
[図16]

CT



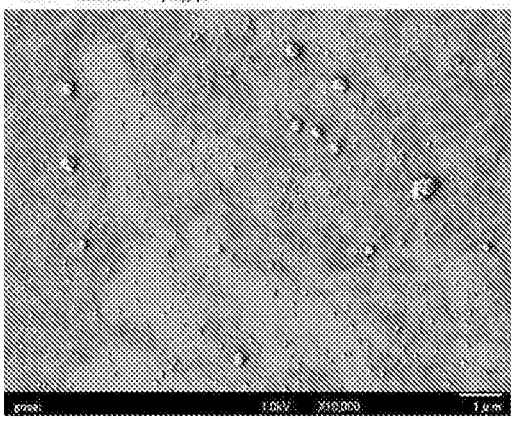
[図17]

DAG



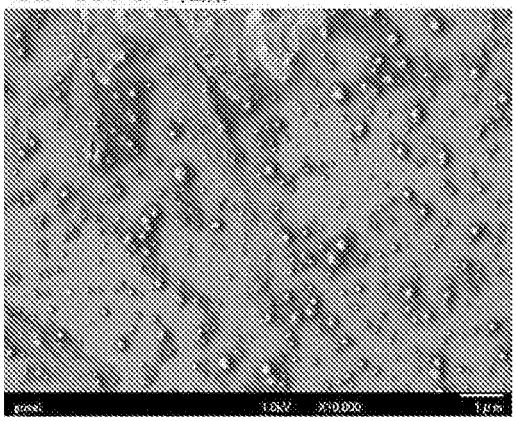
[図18]

Car 室温で乾燥



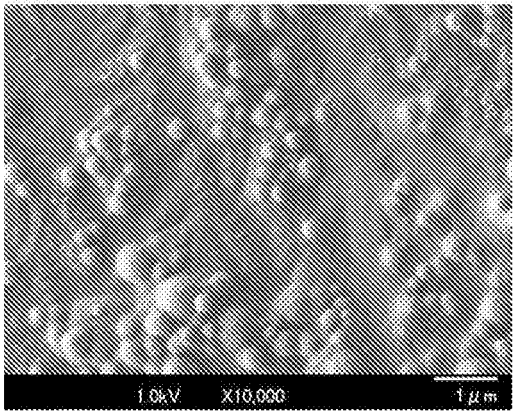
[図19]

Car 110℃で乾燥



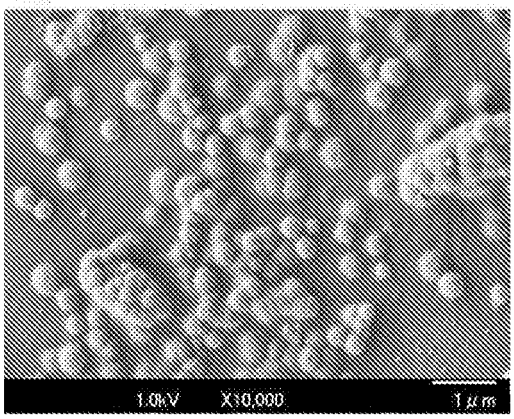
[図20]

Xan



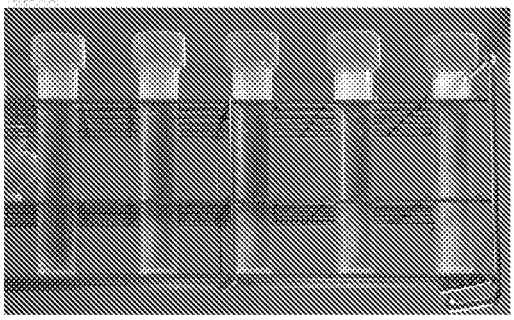
[図21]

DU



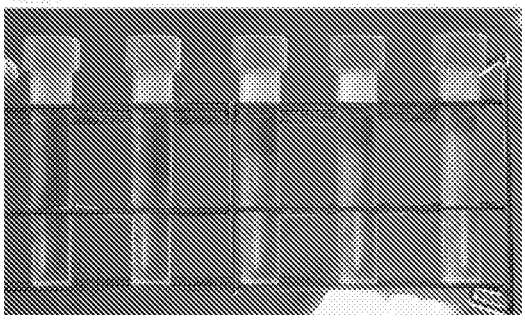
[図22]

MNC



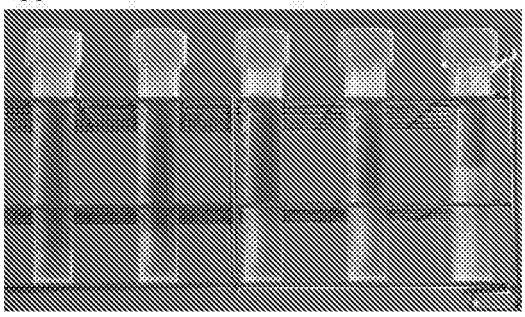
[図23]

PNC

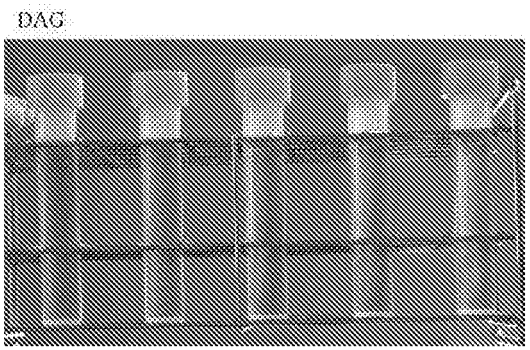


[図24]

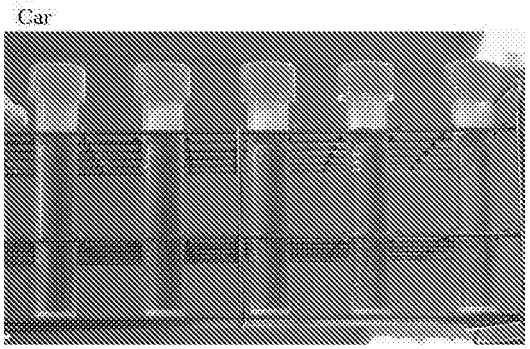
CT



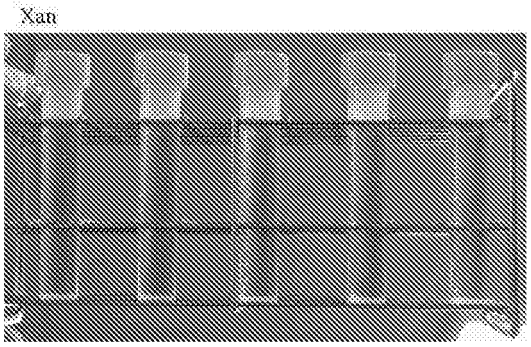
[図25]



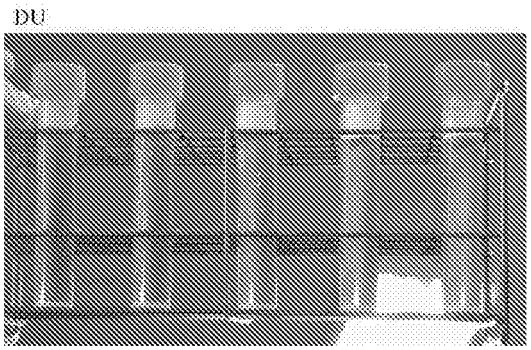
[図26]



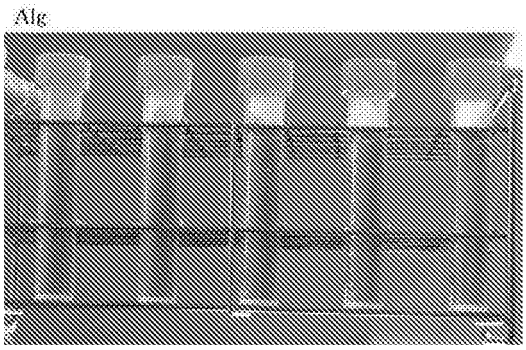
[図27]



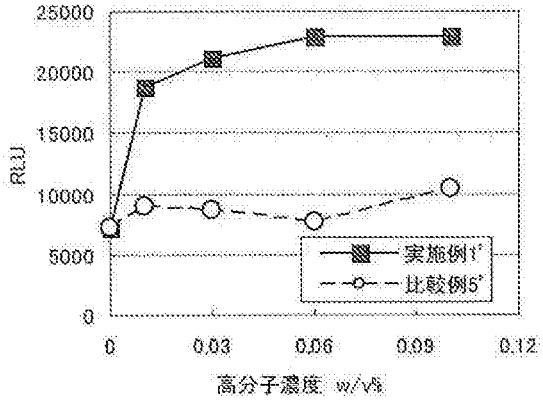
[図28]



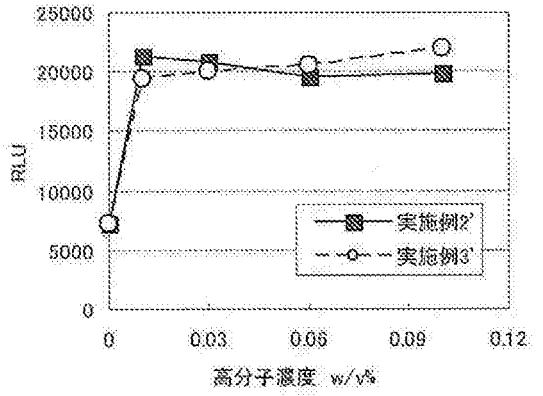
[図29]



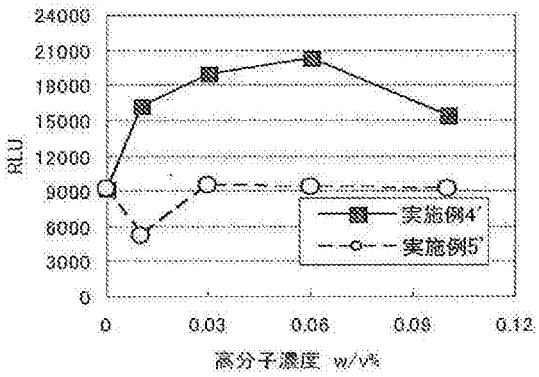
[図30]



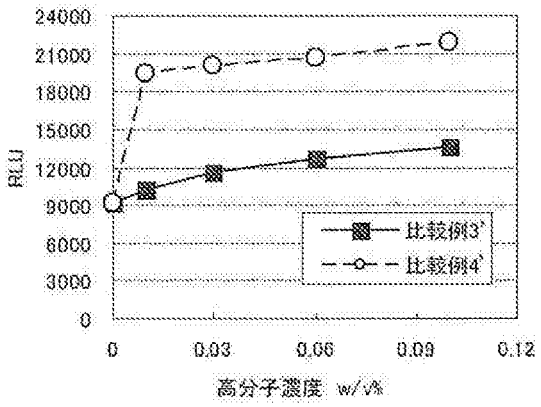
[図31]



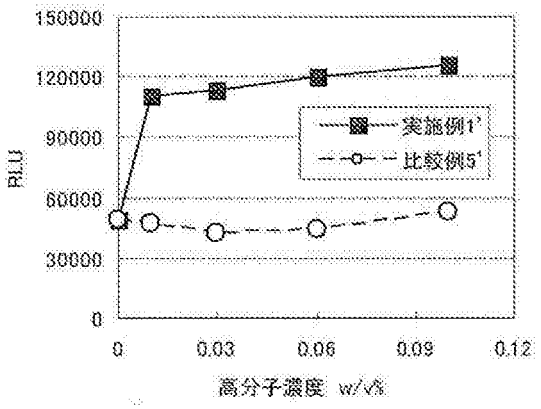
[図32]



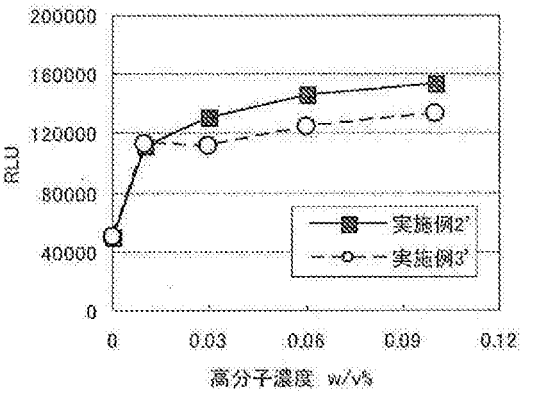
[図33]



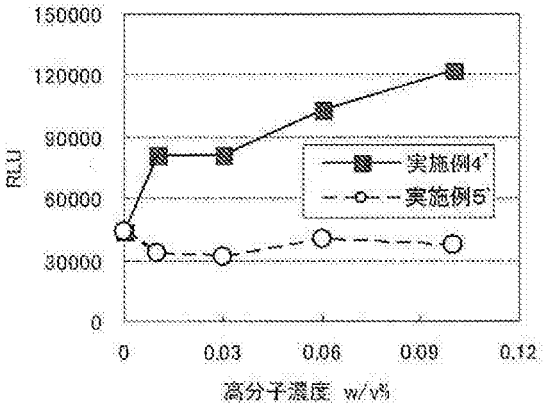
[図34]



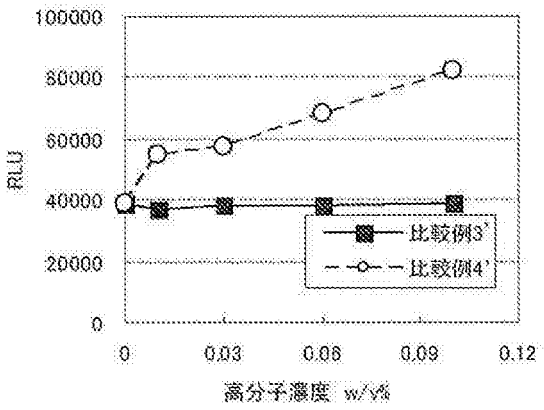
[図35]



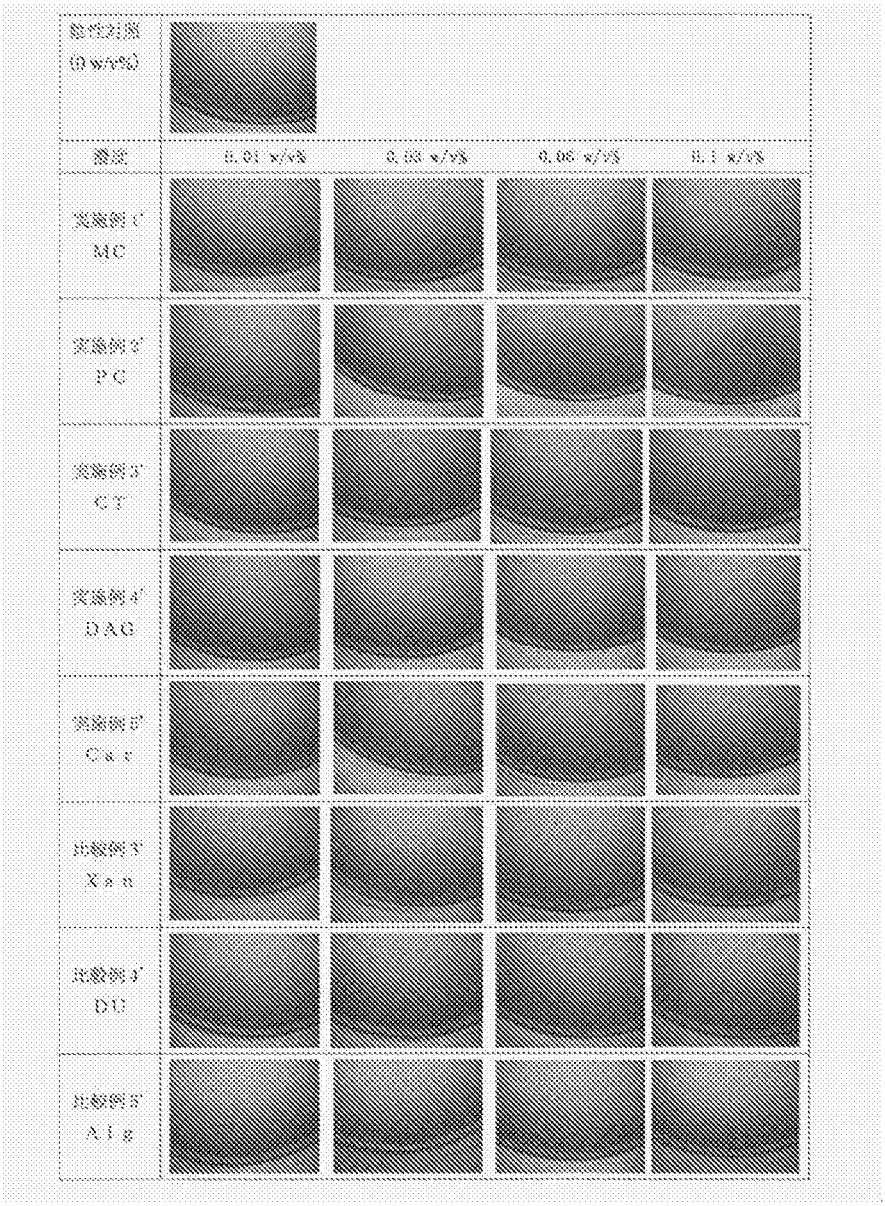
[図36]



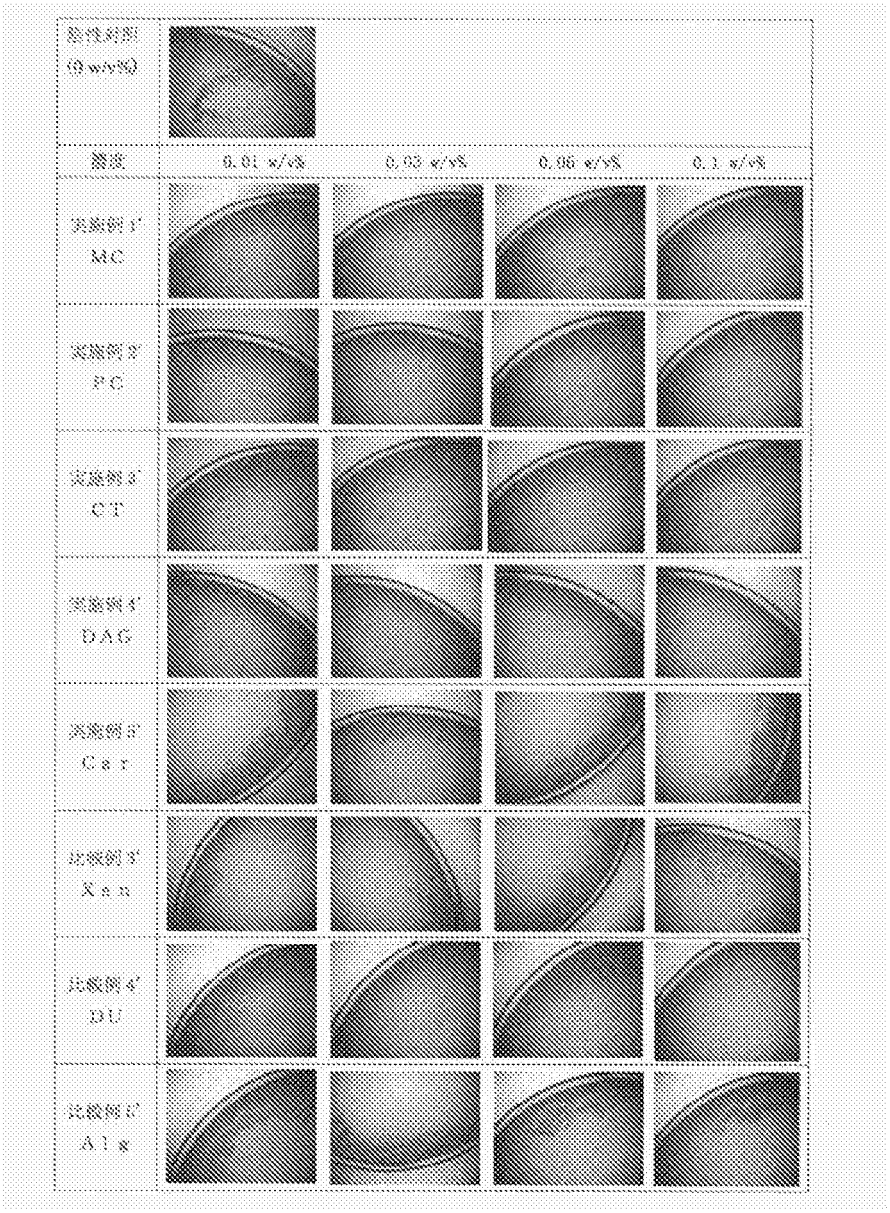
[図37]


100000
80000
60000
40000
20000
0
RLU
0
0.03
0.06
0.09
0.12
高分子濃度 w/v%
比較例3'
比較例4'

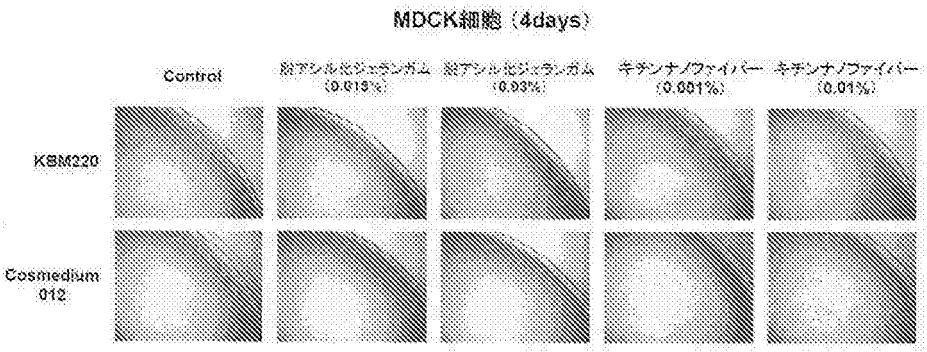
[図38]


濃度
0.01 w/v%
0.03 w/v%
0.06 w/v%
0.1 w/v%
実施例1'
MC
実施例2'
PC
実施例3'
CT
実施例4'
DAG
実施例5'
Car
比較例3'
Xan
比較例4'
DU
比較例5'
Alg

[図39]


粘性剤(0 w/v%)
濃度
0.01 w/v%
0.03 w/v%
0.05 w/v%
0.1 w/v%
実施例1' MC
実施例2' PC
実施例3' CT
実施例4' DAG
実施例5' Car
比較例3' Xan
比較例4' DU
比較例5' Alg

[図40]


MDCK細胞（4days）
Control
脱アシル化ジェランガム (0.015%)
脱アシル化ジェランガム (0.03%)
キチンナノファイバー (0.001%)
キチンナノファイバー (0.01%)
KBM220
Cosmedium 012