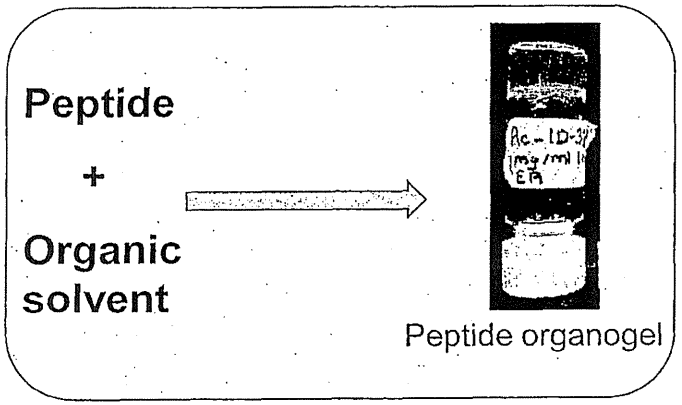
A



B

Solvent	Hexamer	Trimer	Dimer
Methanol	C	C	C
Ethanol	C	C	C
Acetonitrile	G	G	A
Acetone	G	G	C
Ethyl Acetate	G	G	G
Chloroform	A	A	A
Toluene	A	G (partial)	G (partial)
Hexane	S	S	S

C - Clear; A - Aggregated; S - Suspension; G - Gelation

C

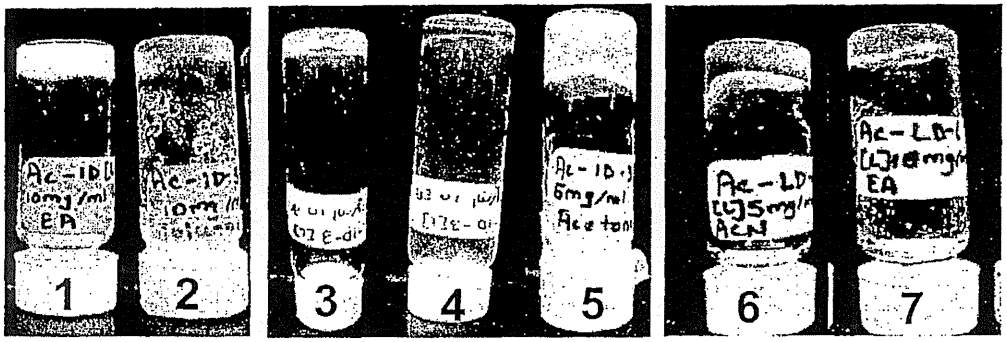


FIGURE 1

A

Solvent	Trimer		Hexamer
	Ac-IVW-COOH(L)	Ac-IVF-COOH(L)	Ac-LIVAGF-COOH (L)
Acetonitrile	S	G	A
Acetone	G	G	G (partial)
Ethyl acetate	G	G	A
Chloroform	A	G	A
Toluene	A	A	A

A - Aggregated; S - Suspension; G - Gelation

B

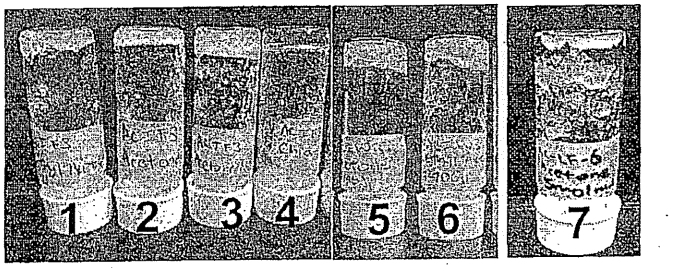
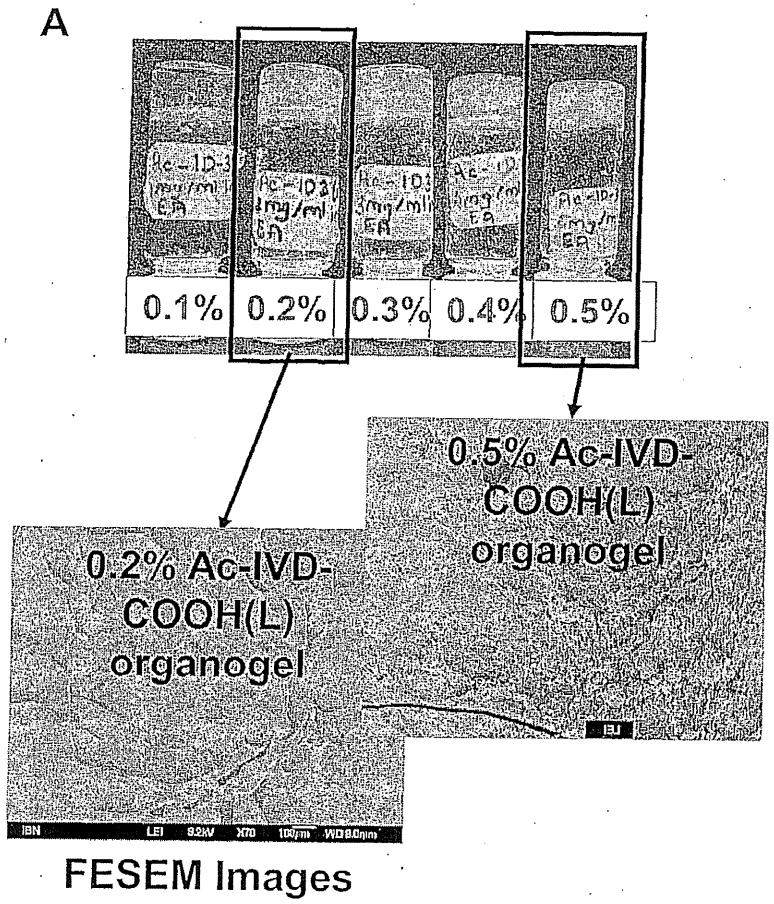


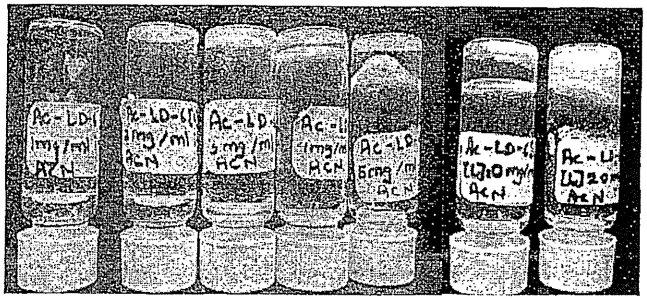
FIGURE 2



FESEM Images

FIGURE 3

B



C

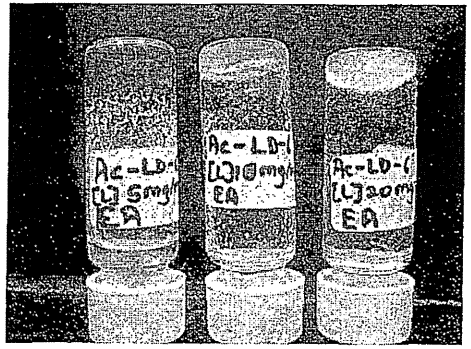
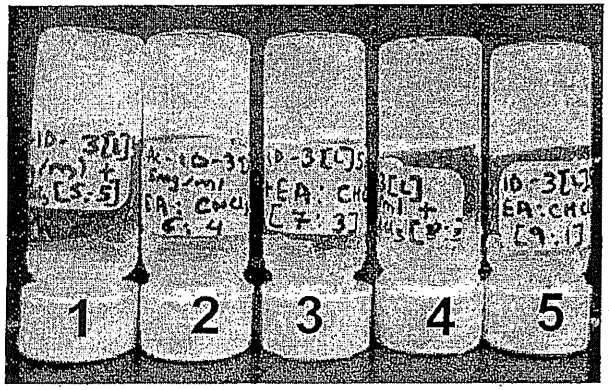


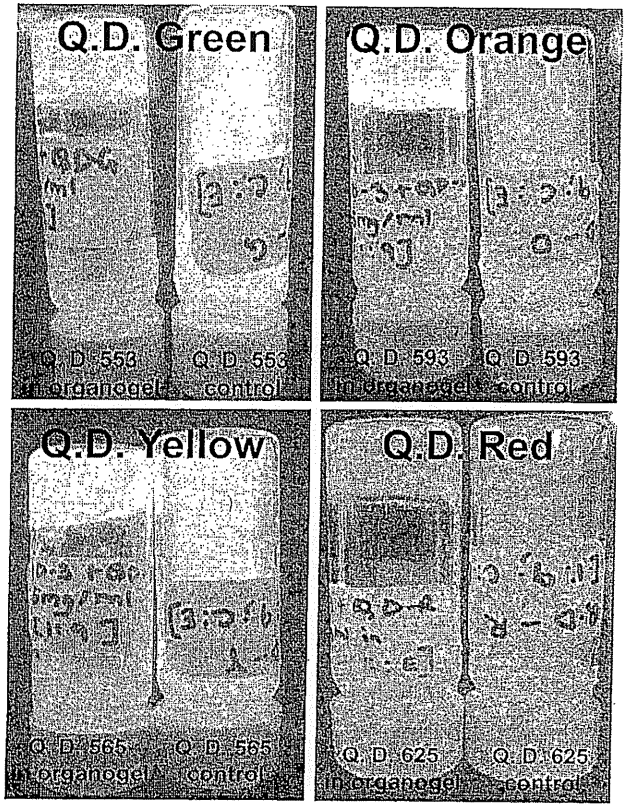
FIGURE 3 (cont.)



Sr. No.	Ethyl acetate: Chloroform	Observation (gels)
1	5:5	Opaque
2	6:4	Opaque
3	7:3	Semi Opaque
4	8:2	Translucent and stable in comparison to above
5	9:1	Semi opaque and stable in comparison to above

FIGURE 4

A


Q.D. Green
Q.D. Orange
Q.D. Yellow
Q.D. Red

B

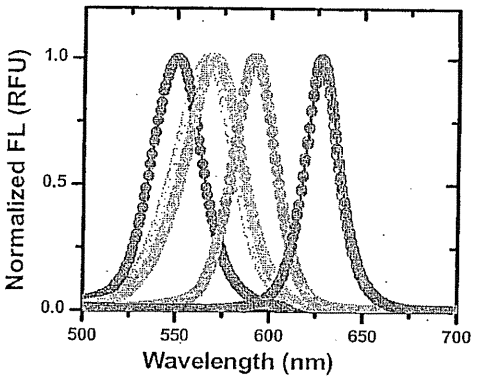

Normalized FL (RFU)
1.0
0.5
0.0
500
550
600
650
700
Wavelength (nm)

FIGURE 5

A

Sr. No.	Conc. Of Ac-IVD-COOH(L)	Observation
1.	5mg/ml	No gelation
2.	10mg/ml	Partial gelation
3.	15mg/ml	Partial gelation
4.	20mg/ml	Gelation



Ac-IVD-COOH (L)
20 mg/ml in oil

B

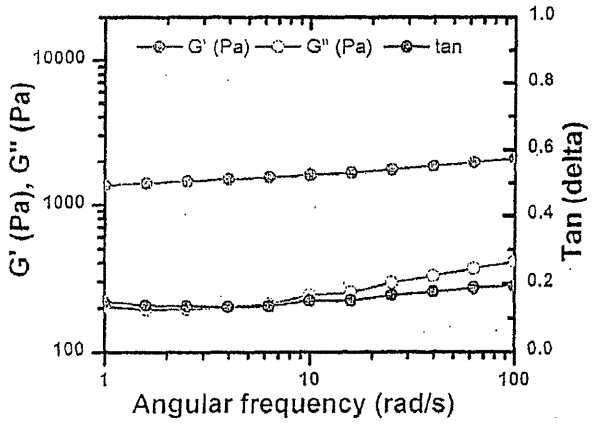


FIGURE 6

A



Ac-IVD-COOH (L)
20 mg/ml in oil : acetone (4:1)

B

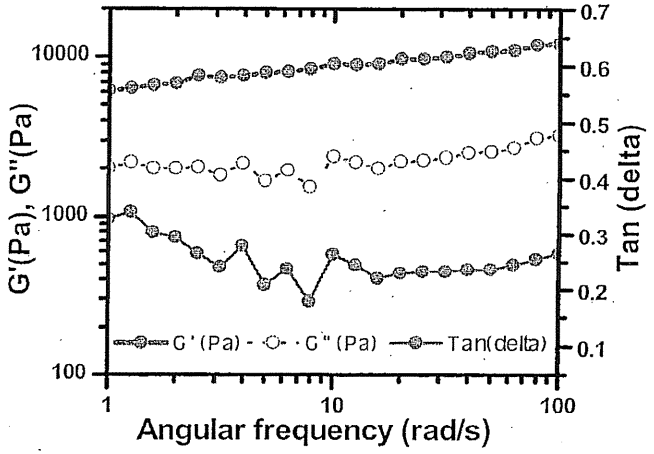


FIGURE 7

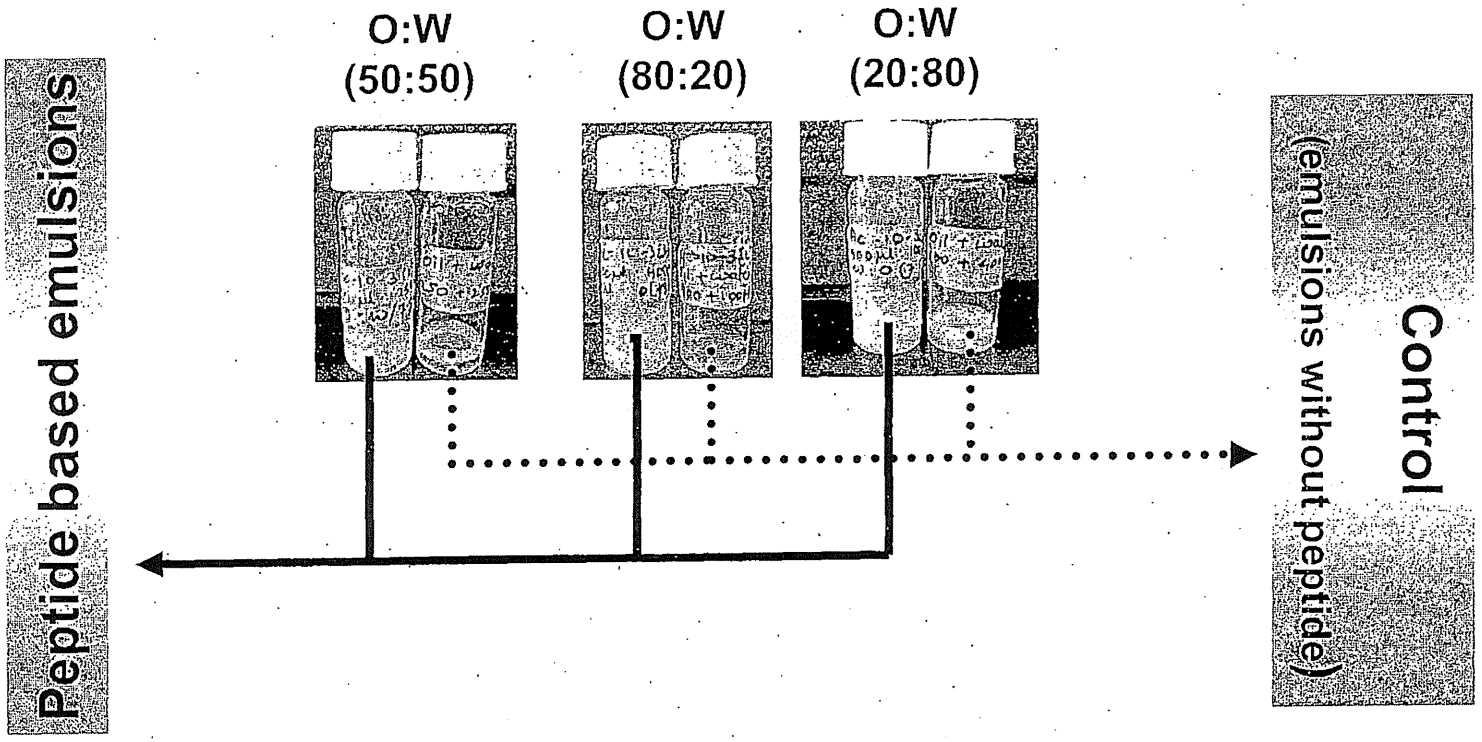
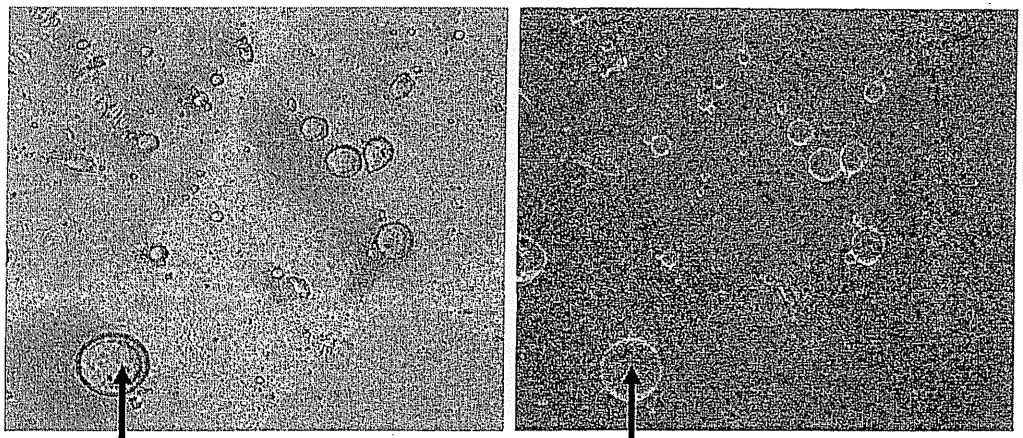

O:W
(50:50)
O:W
(80:20)
O:W
(20:80)
Peptide based emulsions
Control
(emulsions without peptide)

FIGURE 8



Alcian blue dye encapsulated in peptide based emulsion

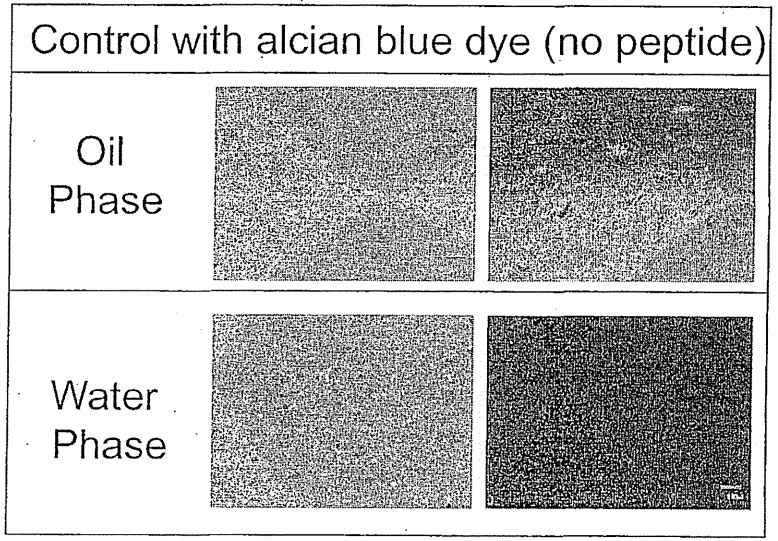


FIGURE 9

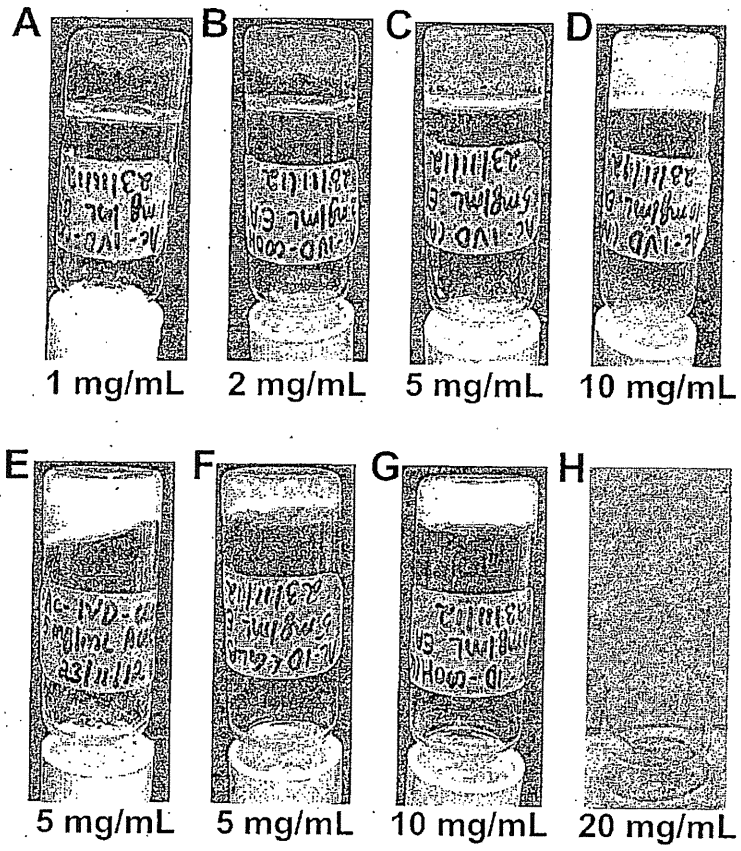

A
B
C
D
1 mg/mL
2 mg/mL
5 mg/mL
10 mg/mL
E
F
G
H
5 mg/mL
5 mg/mL
10 mg/mL
20 mg/mL

FIGURE 10

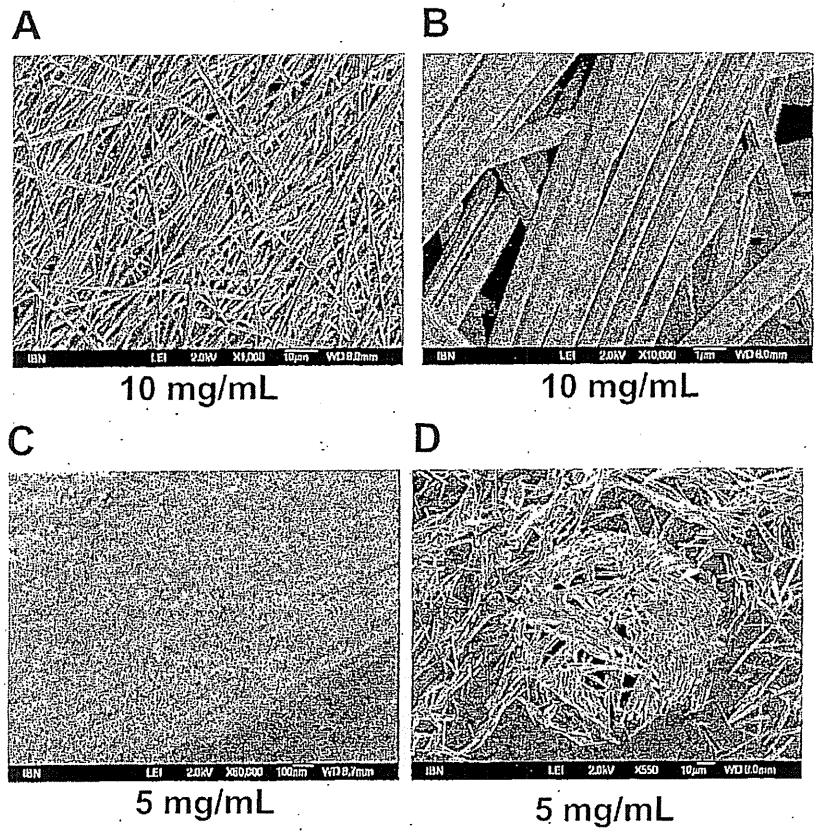


FIGURE 11