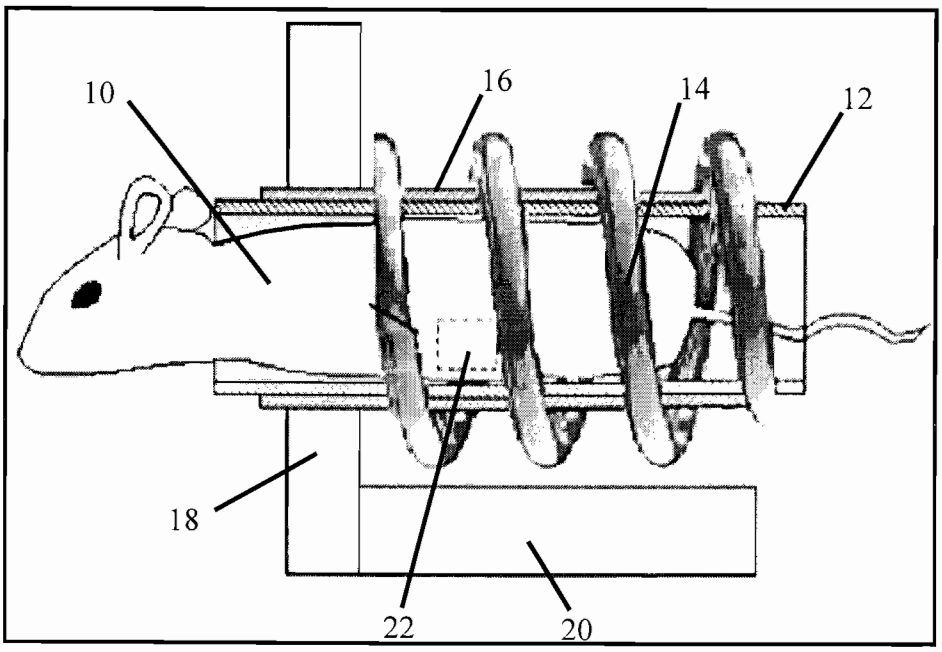

FIG. 1

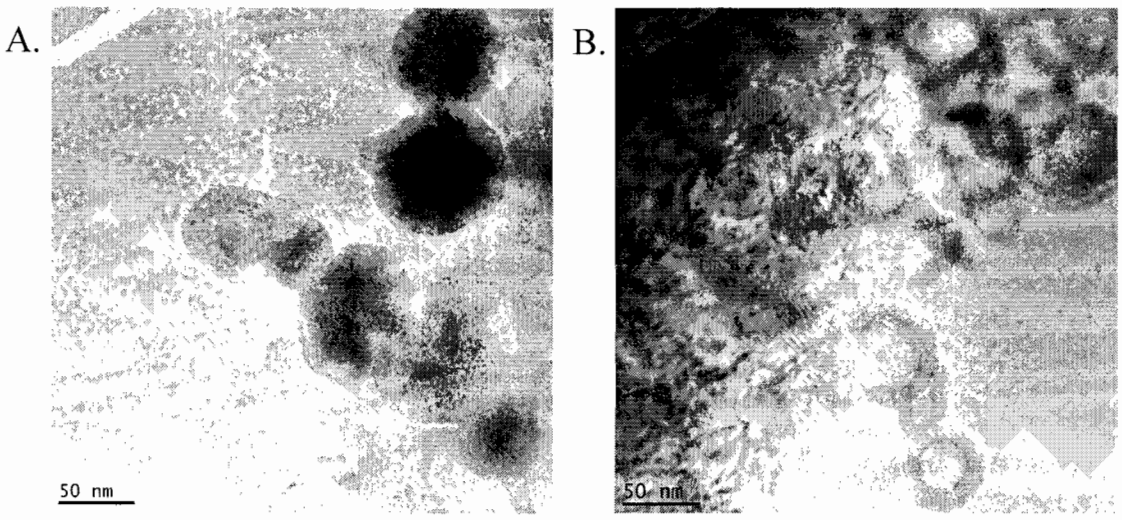

FIG. 2

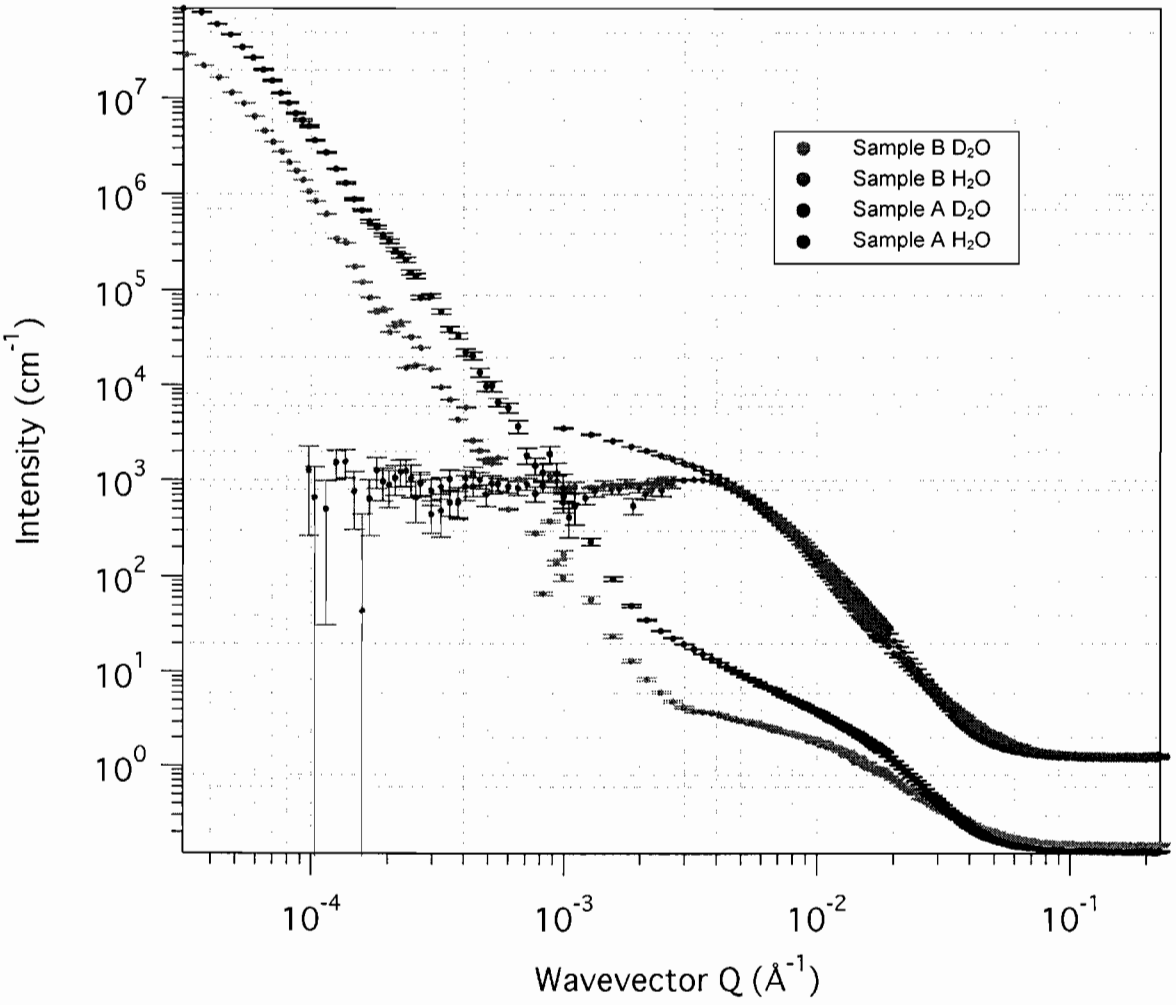
Sample B D2O
Sample B H2O
Sample A D2O
Sample A H2O
Intensity (cm-1)
Wavevector Q (Å-1)
10^7
10^6
10^5
10^4
10^3
10^2
10^1
10^0
10^-4
10^-3
10^-2
10^-1

FIG. 3

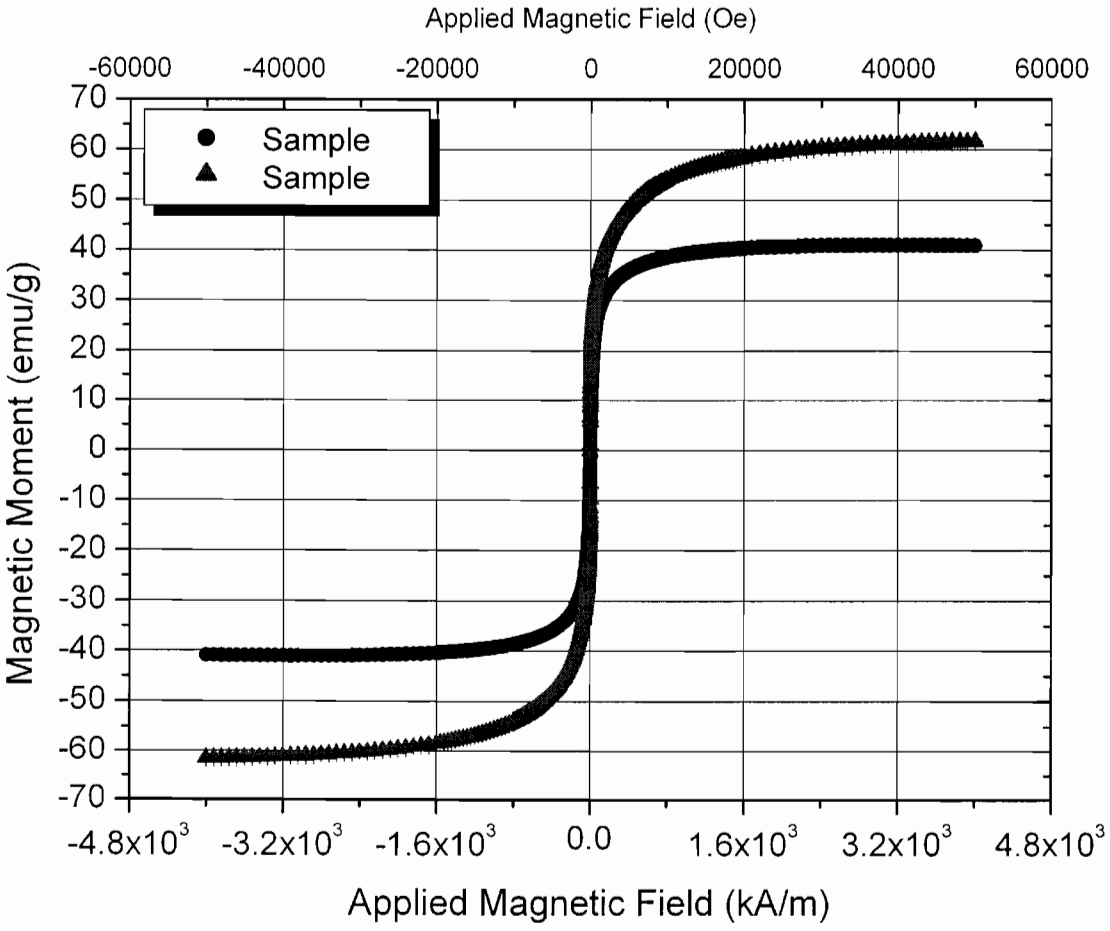
Applied Magnetic Field (Oe)
-60000
-40000
-20000
0
20000
40000
60000
70
60
50
40
30
20
10
0
-10
-20
-30
-40
-50
-60
-70
Sample
Sample
Magnetic Moment (emu/g)
-4.8x10^3
-3.2x10^3
-1.6x10^3
0.0
1.6x10^3
3.2x10^3
4.8x10^3
Applied Magnetic Field (kA/m)

FIG. 4

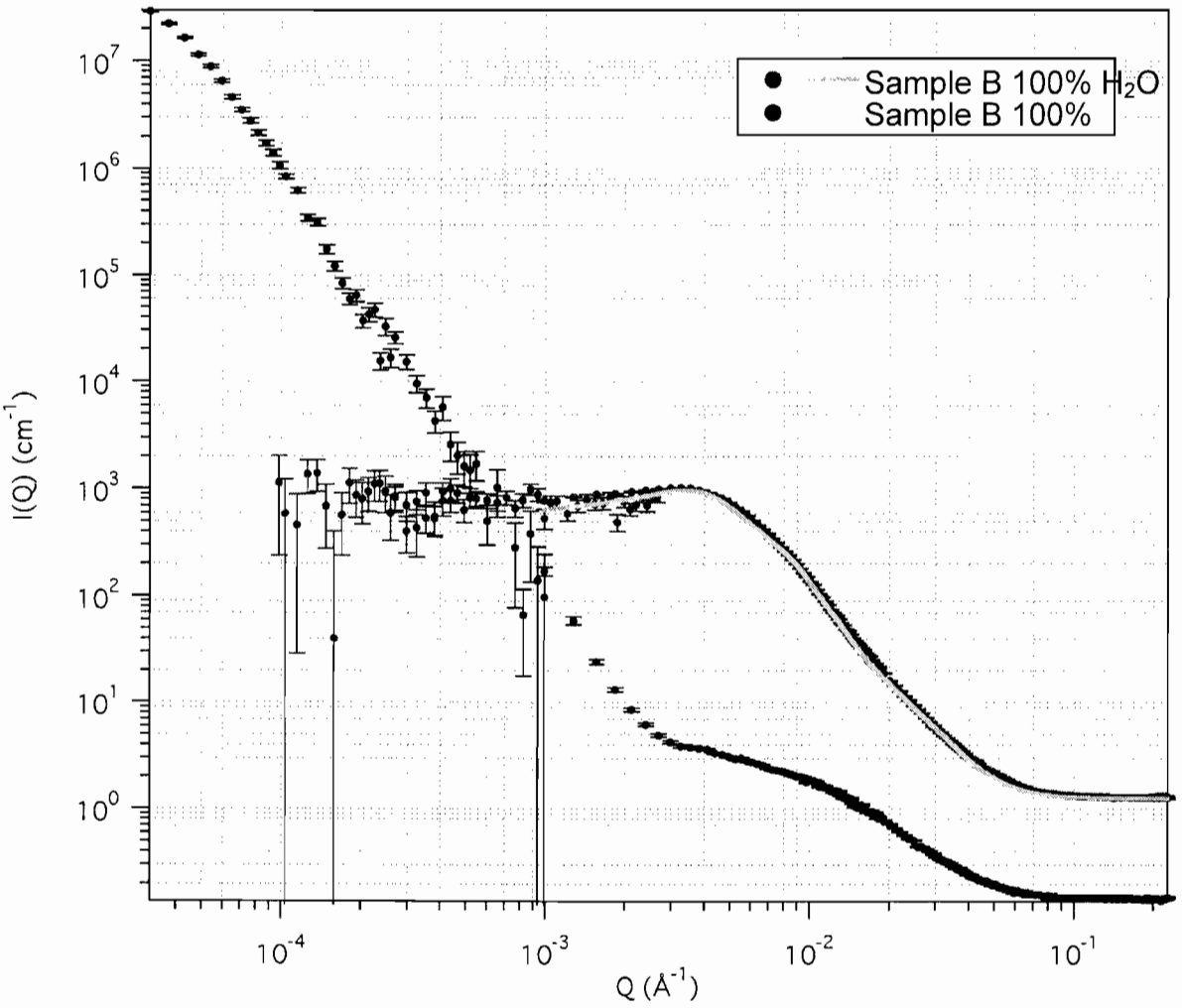
Sample B 100% H_2O
Sample B 100%
I(Q) (cm^{-1})
Q ($Å^{-1}$)
10^7
10^6
10^5
10^4
10^3
10^2
10^1
10^0
10^{-4}
10^{-3}
10^{-2}
10^{-1}

FIG. 5

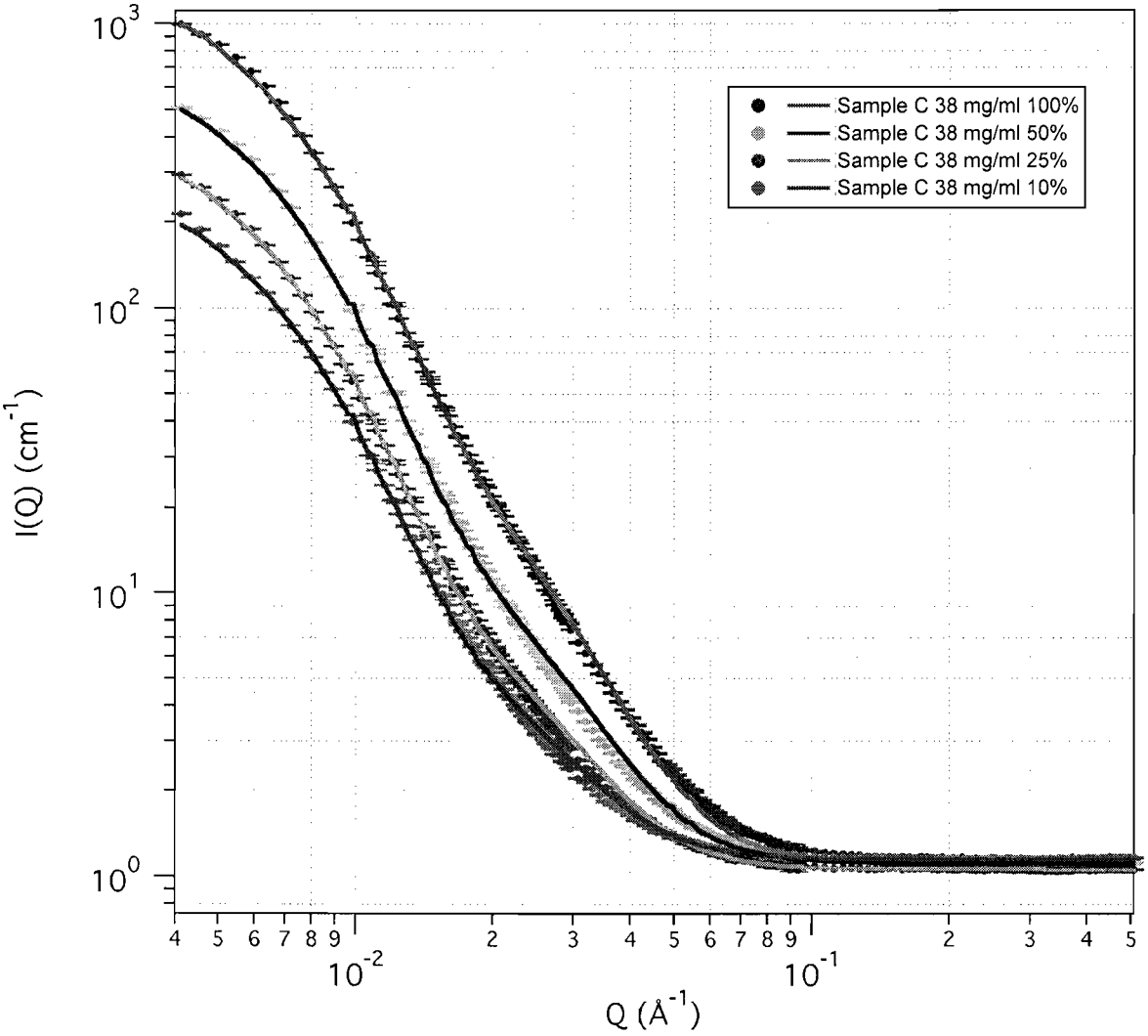
Sample C 38 mg/ml 100%
Sample C 38 mg/ml 50%
Sample C 38 mg/ml 25%
Sample C 38 mg/ml 10%
I(Q) (cm-1)
Q (Å-1)
10^3
10^2
10^1
10^0
10^-2
10^-1

FIG. 6

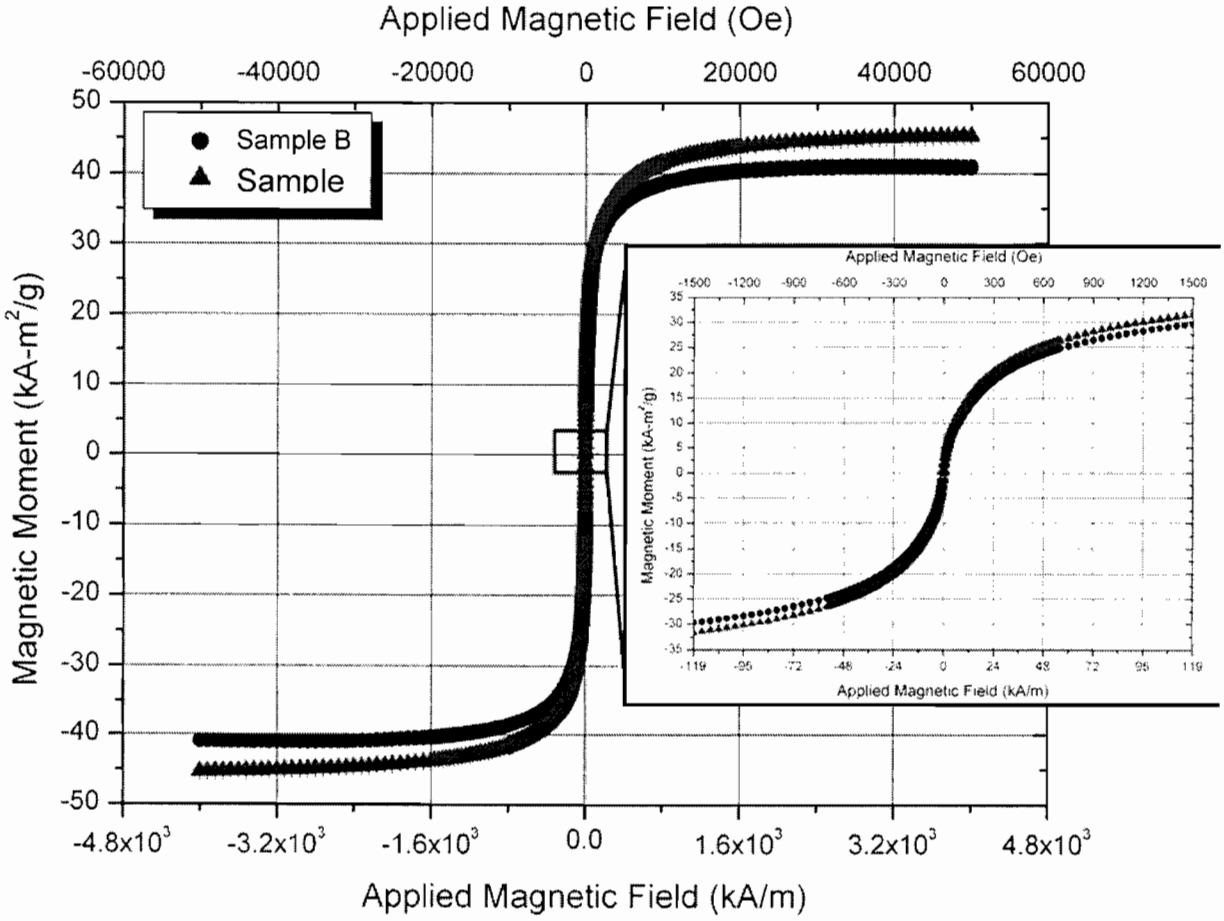
Applied Magnetic Field (Oe)
-60000
-40000
-20000
0
20000
40000
60000
Sample B
Sample
Magnetic Moment (kA-m²/g)
50
40
30
20
10
0
-10
-20
-30
-40
-50
-4.8x10³
-3.2x10³
-1.6x10³
0.0
1.6x10³
3.2x10³
4.8x10³
Applied Magnetic Field (kA/m)
Applied Magnetic Field (Oe)
-1500
-1200
-900
-600
-300
0
300
600
900
1200
1500
Magnetic Moment (kA-m²/g)
35
30
25
20
15
10
5
0
-5
-10
-15
-20
-25
-30
-35
-119
-95
-72
-48
-24
0
24
48
72
95
119
Applied Magnetic Field (kA/m)

FIG. 7