FIG. 1

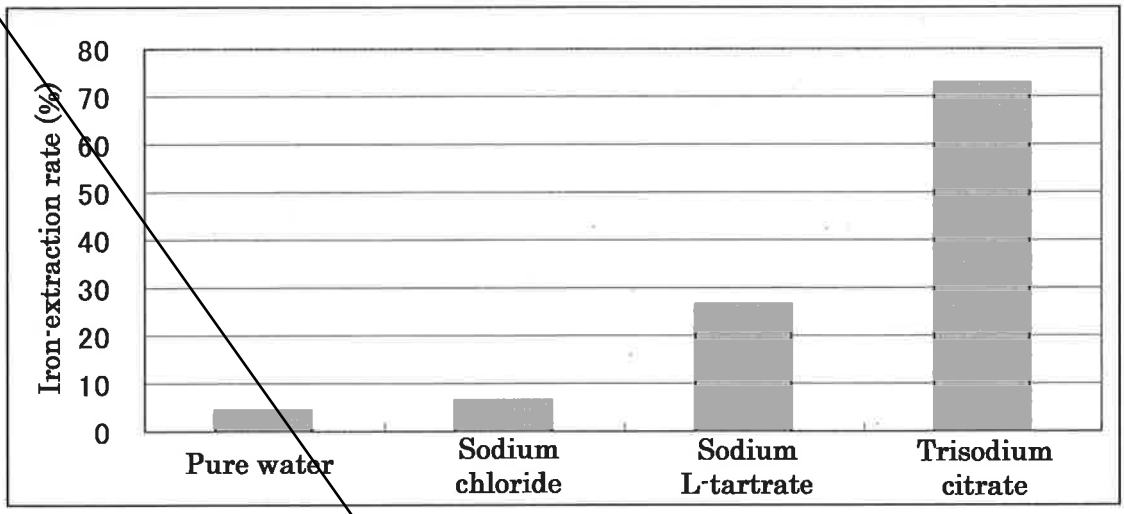

Iron-extraction rate (%)
80
70
60
50
40
30
20
10
0
Pure water
Sodium chloride
Sodium L-tartrate
Trisodium citrate

FIG. 2

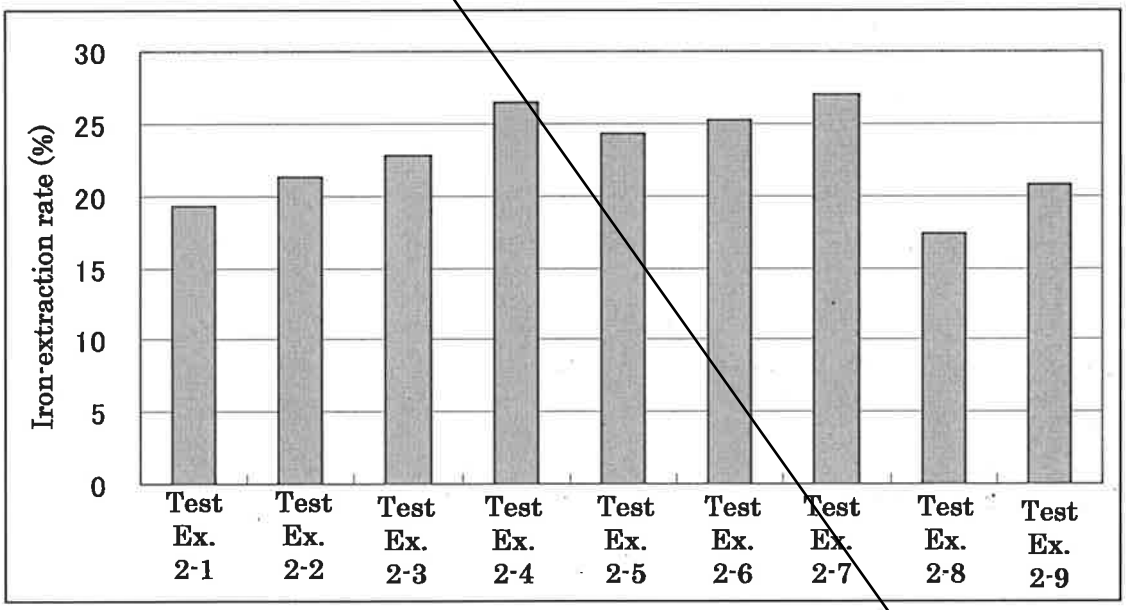

Iron-extraction rate (%)
30
25
20
15
10
5
0
Test Ex. 2-1
Test Ex. 2-2
Test Ex. 2-3
Test Ex. 2-4
Test Ex. 2-5
Test Ex. 2-6
Test Ex. 2-7
Test Ex. 2-8
Test Ex. 2-9

FIG. 3

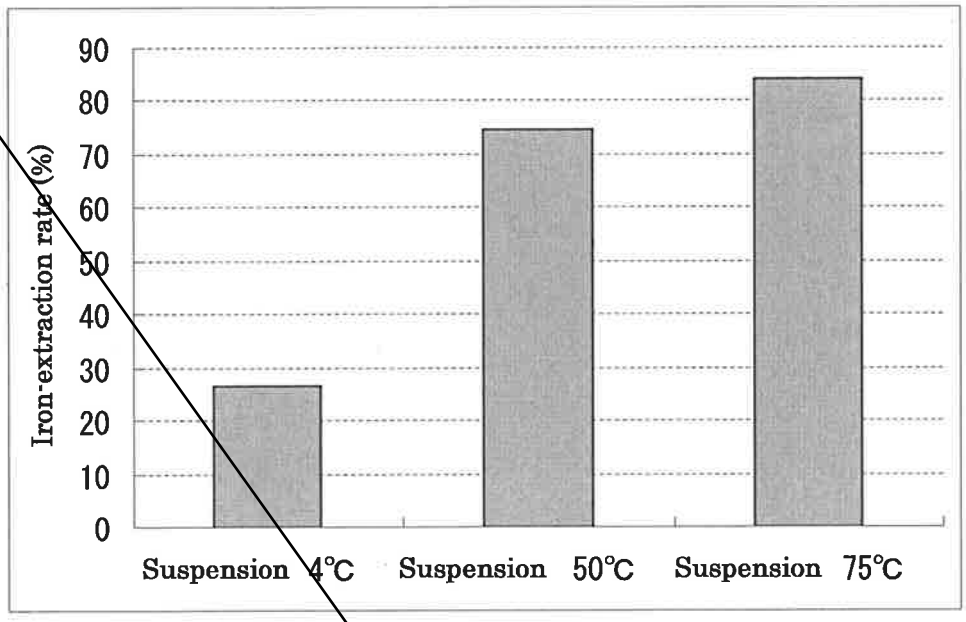

Iron-extraction rate (%)
90
80
70
60
50
40
30
20
10
0
Suspension 4℃
Suspension 50℃
Suspension 75℃

FIG. 4

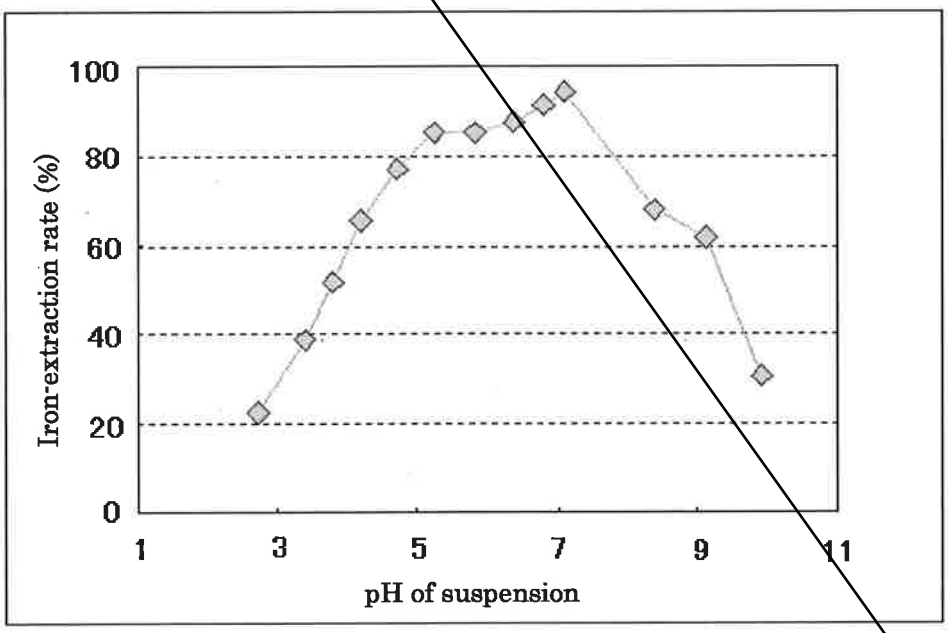

Iron-extraction rate (%)
100
80
60
40
20
0
1
3
5
7
9
11
pH of suspension

FIG. 5

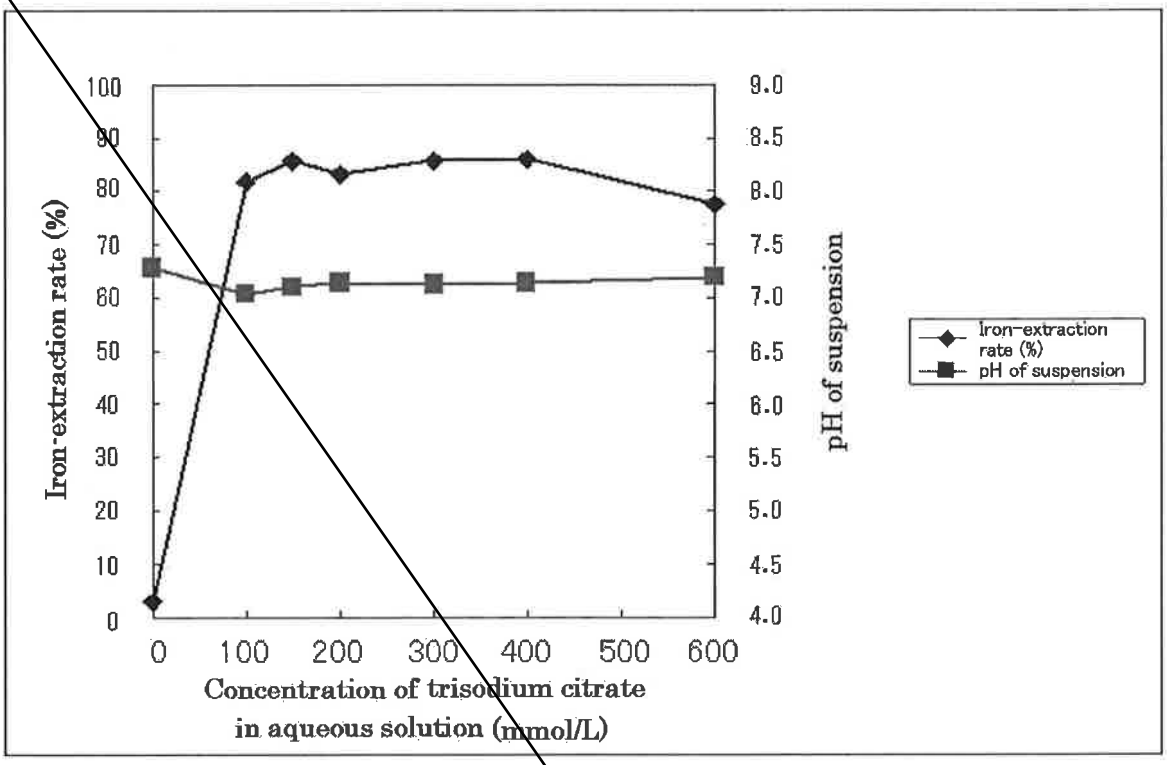
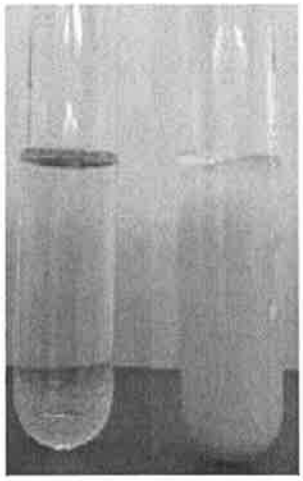
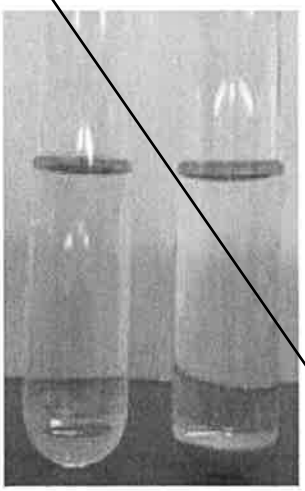

Iron-extraction rate (%)
pH of suspension
Concentration of trisodium citrate in aqueous solution (mmol/L)
Iron-extraction rate (%)
pH of suspension
0
10
20
30
40
50
60
70
80
90
100
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5
9.0
0
100
200
300
400
500
600

FIG. 6A



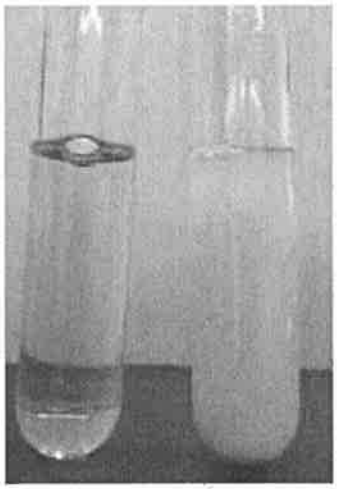
Test Ex. 6-1 Test Ex. 6-2

FIG. 6B



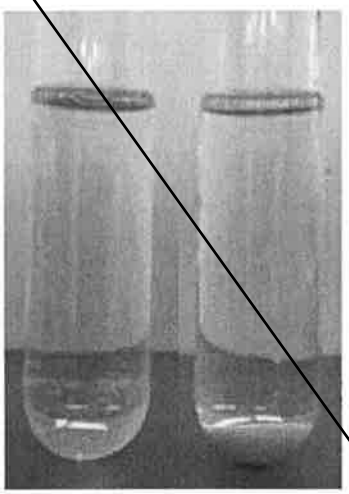
Test Ex. 6-1 Test Ex. 6-2

FIG. 6C



Test Ex. 6-3 Test Ex. 6-4

FIG. 6D



Test Ex. 6-3 Test Ex. 6-4

FIG. 1

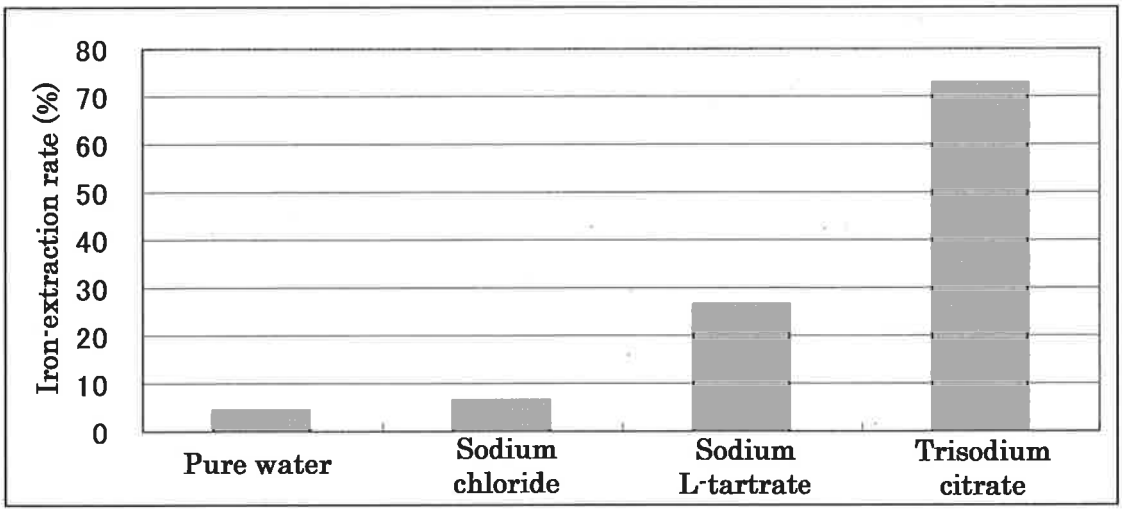

Iron-extraction rate (%)
80
70
60
50
40
30
20
10
0
Pure water
Sodium chloride
Sodium L-tartrate
Trisodium citrate

FIG. 2

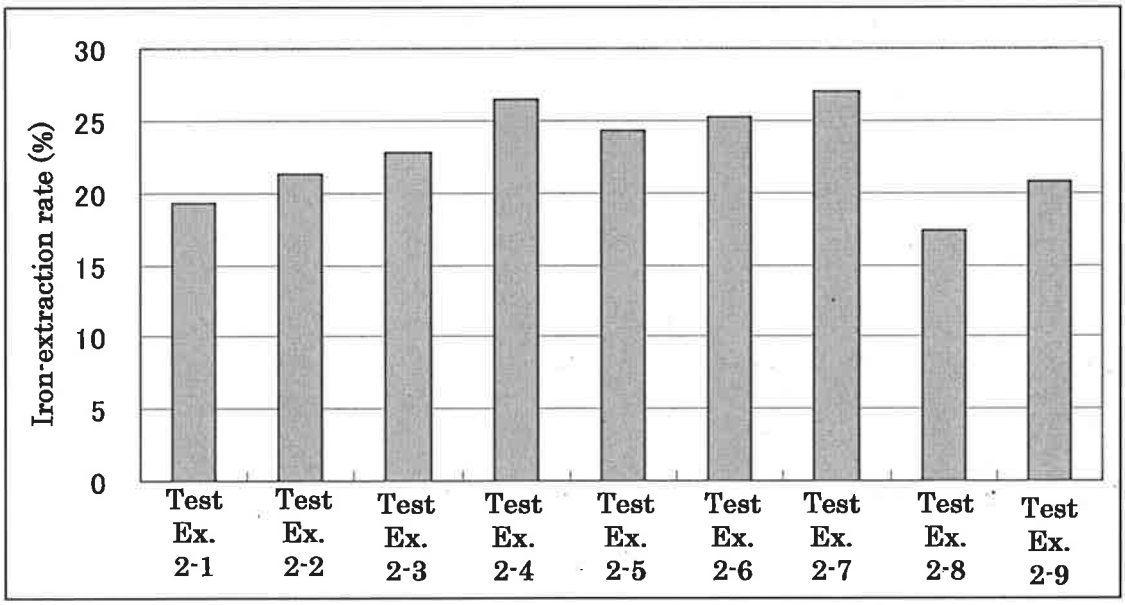

Iron-extraction rate (%)
30
25
20
15
10
5
0
Test Ex. 2-1
Test Ex. 2-2
Test Ex. 2-3
Test Ex. 2-4
Test Ex. 2-5
Test Ex. 2-6
Test Ex. 2-7
Test Ex. 2-8
Test Ex. 2-9

FIG. 3

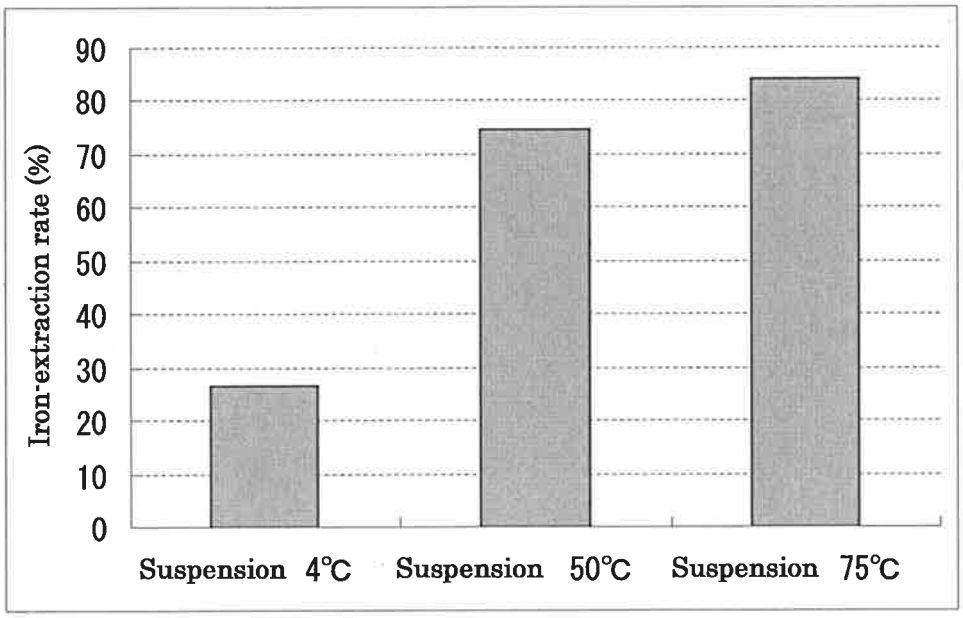

Iron-extraction rate (%)
90
80
70
60
50
40
30
20
10
0
Suspension 4℃
Suspension 50℃
Suspension 75℃

FIG. 4

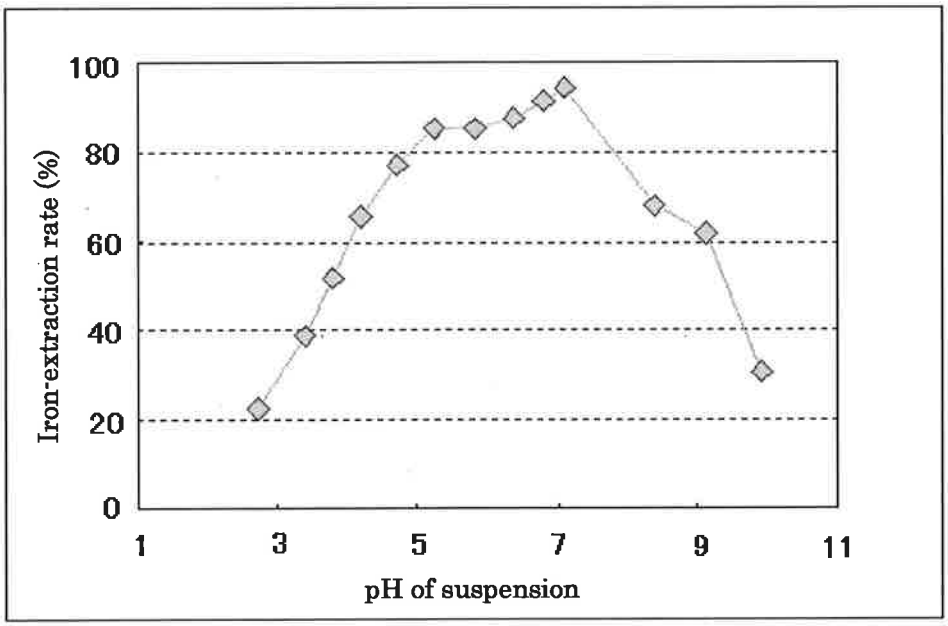

Iron-extraction rate (%)
100
80
60
40
20
0
1
3
5
7
9
11
pH of suspension

FIG. 5

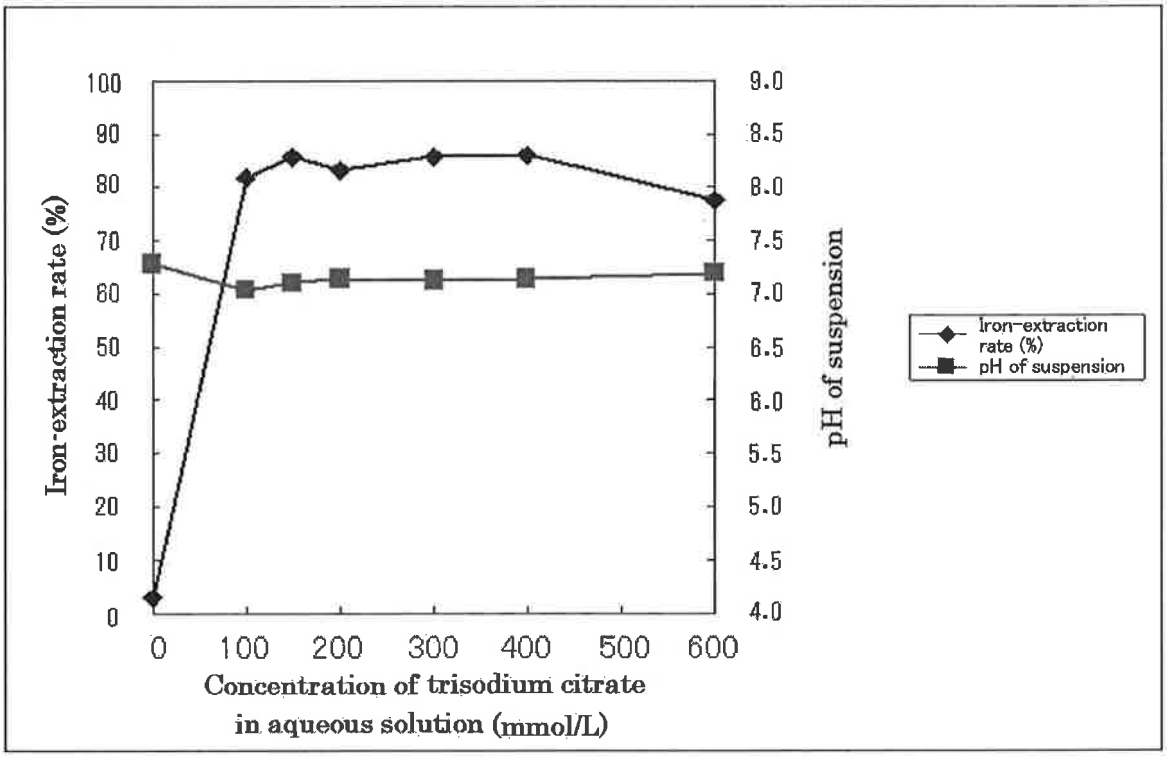
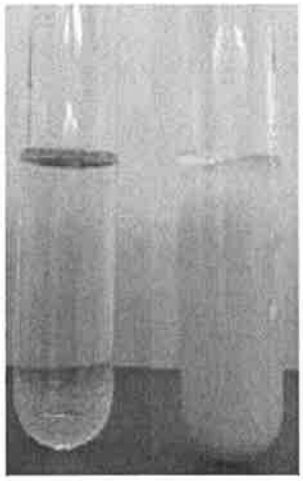
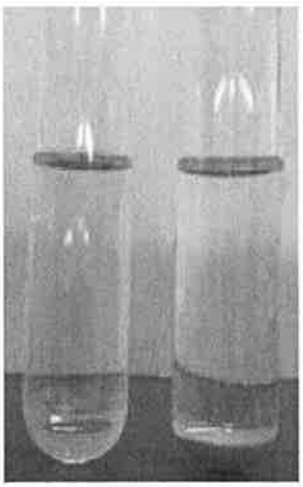

Iron-extraction rate (%)
pH of suspension
Concentration of trisodium citrate in aqueous solution (mmol/L)
Iron-extraction rate (%)
pH of suspension
100
90
80
70
60
50
40
30
20
10
0
9.0
8.5
8.0
7.5
7.0
6.5
6.0
5.5
5.0
4.5
4.0
0
100
200
300
400
500
600

FIG. 6A



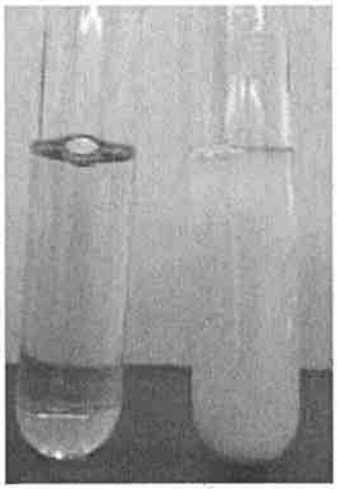
Test Ex. 6-1 Test Ex. 6-2

FIG. 6B



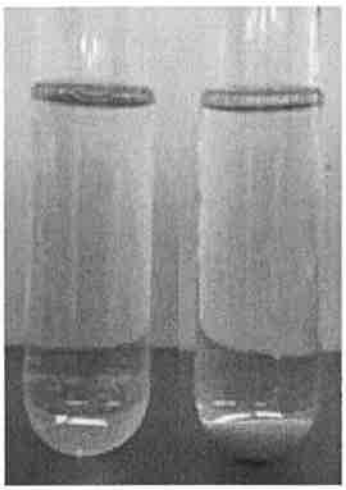
Test Ex. 6-1 Test Ex. 6-2

FIG. 6C



Test Ex. 6-3 Test Ex. 6-4

FIG. 6D



Test Ex. 6-3 Test Ex. 6-4