FIG. 1

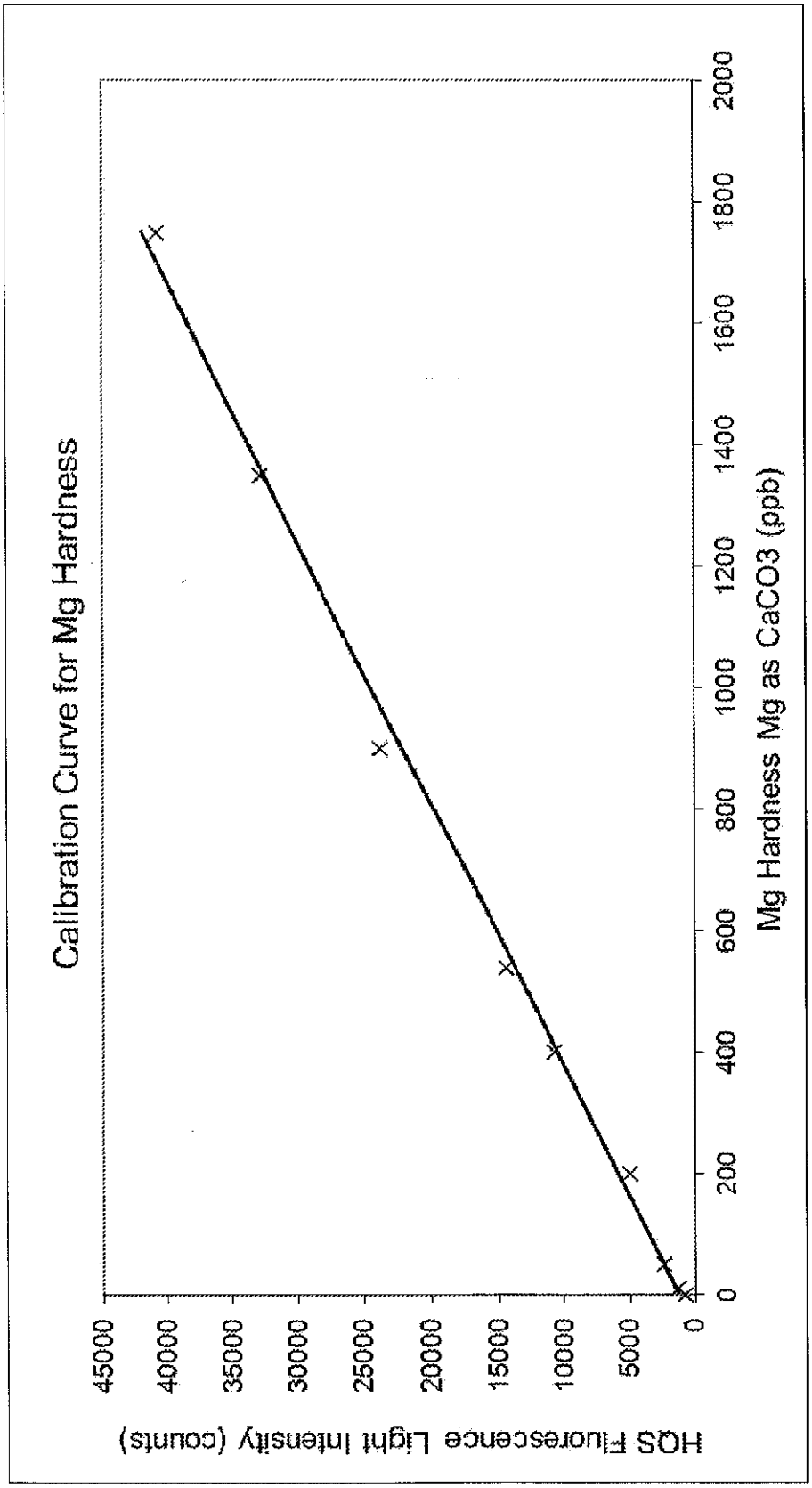

Calibration Curve for Mg Hardness
HQS Fluorescence Light Intensity (counts)
45000
40000
35000
30000
25000
20000
15000
10000
5000
0
0
200
400
600
800
1000
1200
1400
1600
1800
2000
Mg Hardness Mg as CaCO3 (ppb)

FIG. 2

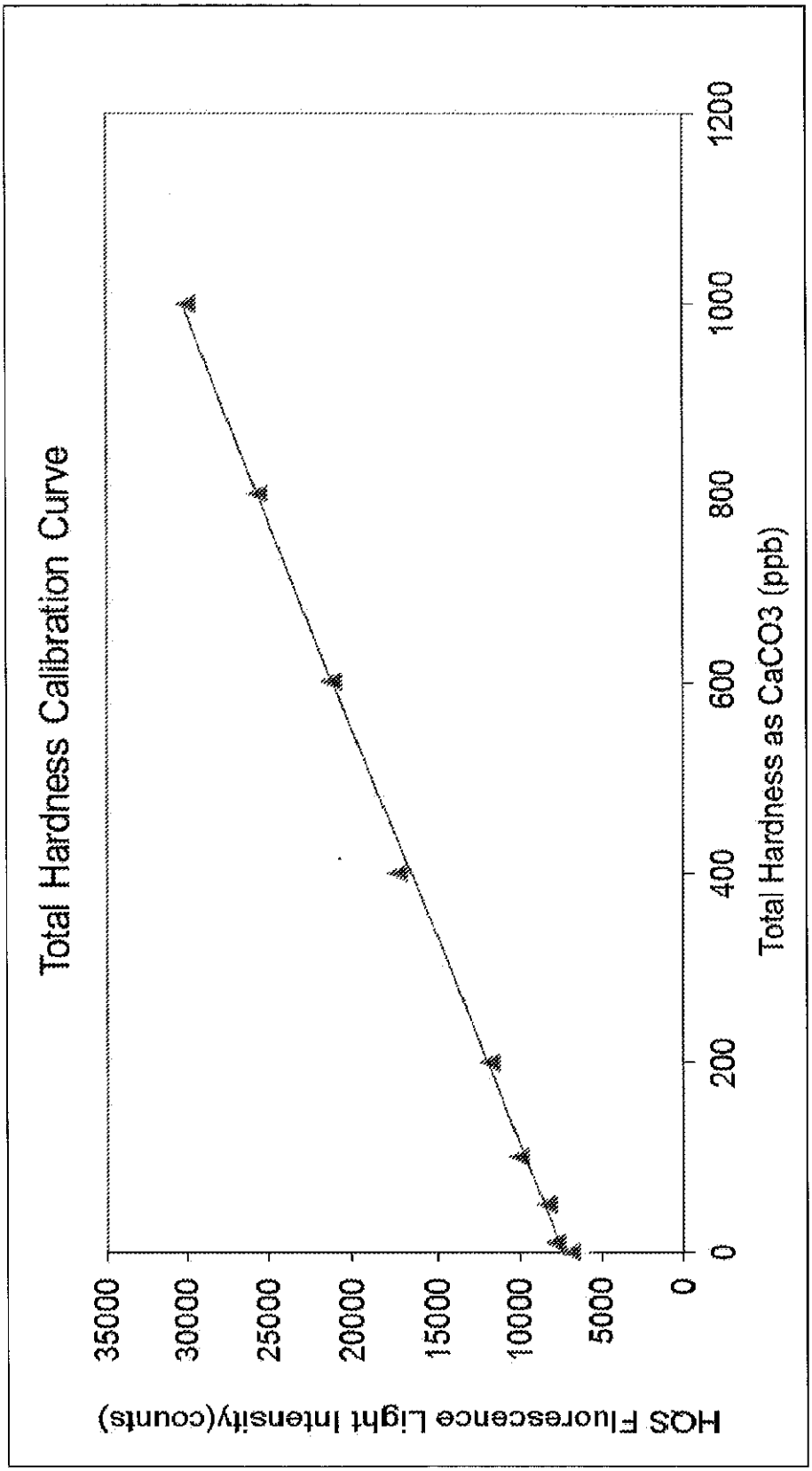
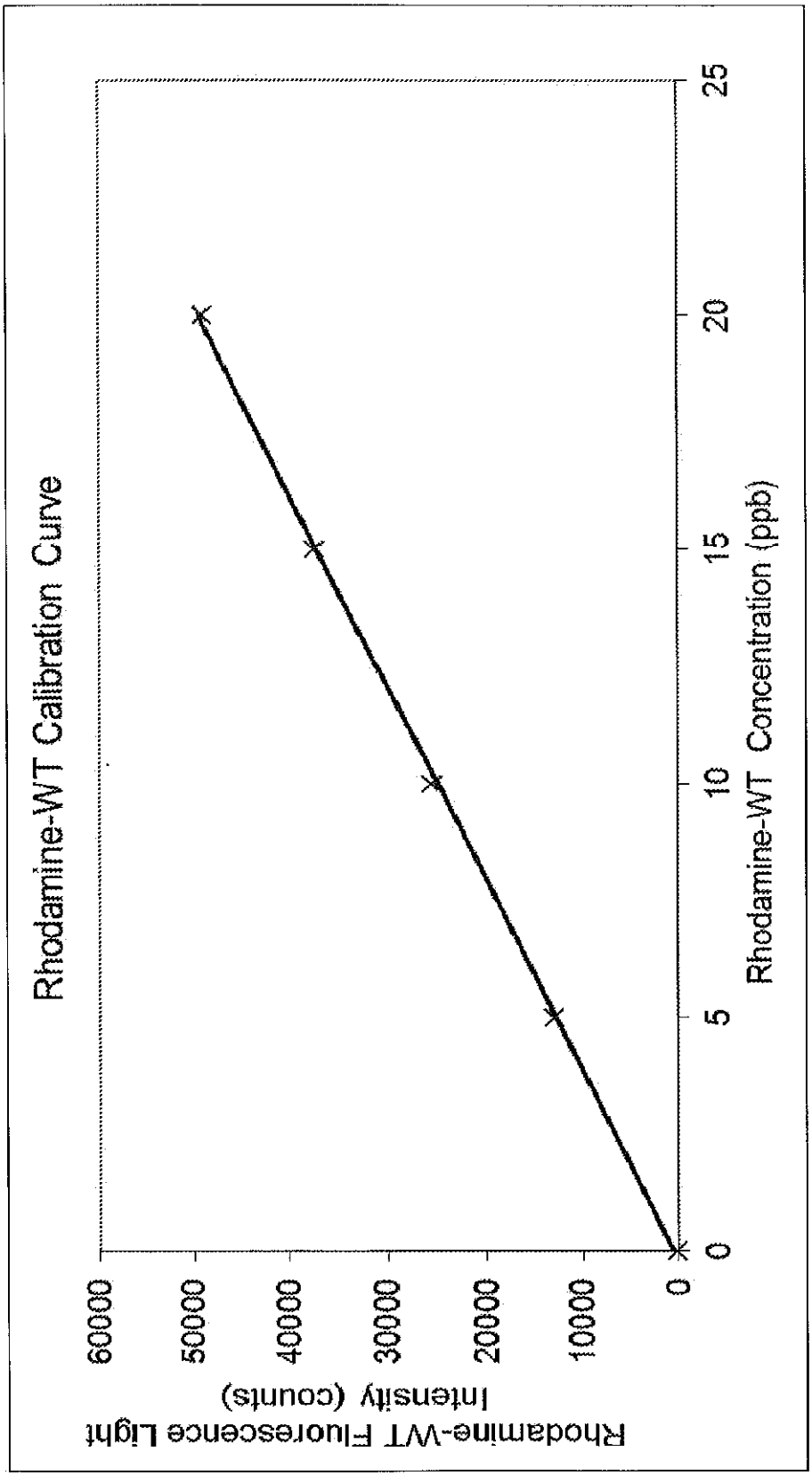

Total Hardness Calibration Curve
HOS Fluorescence Light Intensity(counts)
35000
30000
25000
20000
15000
10000
5000
0
0
200
400
600
800
1000
1200
Total Hardness as CaCO3 (ppb)

FIG. 3


Rhodamine-WT Calibration Curve
Rhodamine-WT Fluorescence Light Intensity (counts)
60000
50000
40000
30000
20000
10000
0
0
5
10
15
20
25
Rhodamine-WT Concentration (ppb)