Figure 1

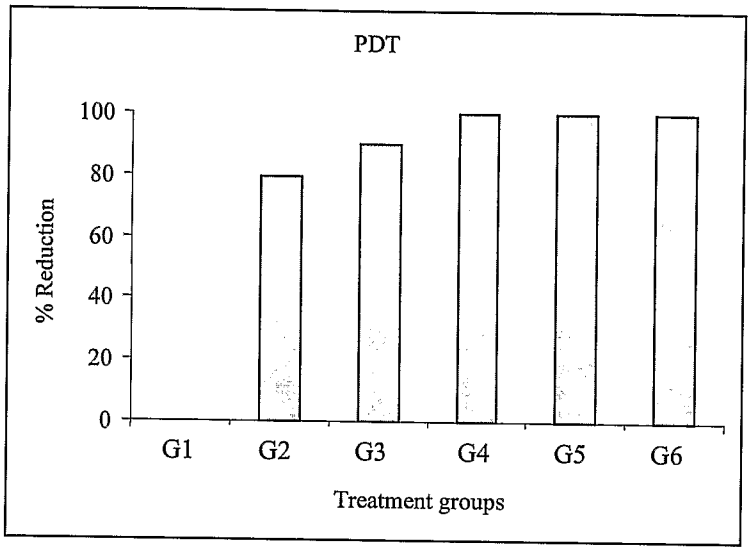

Figure 2

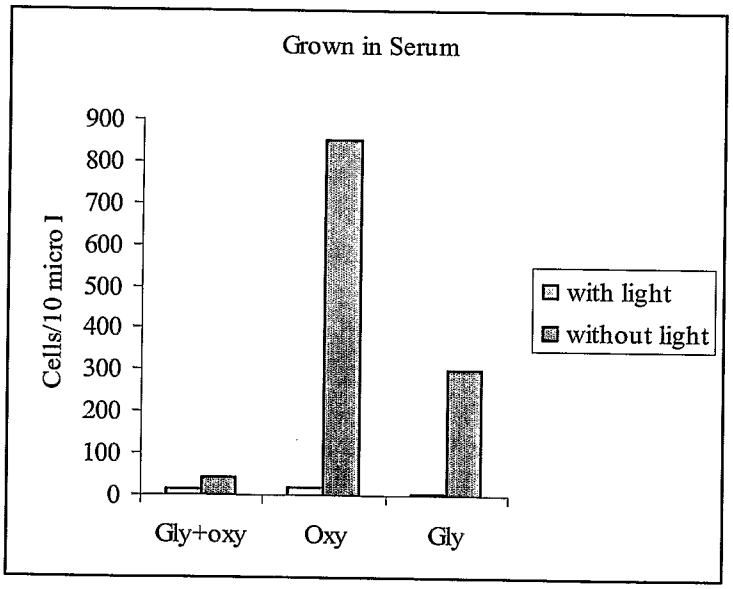

Figure 3

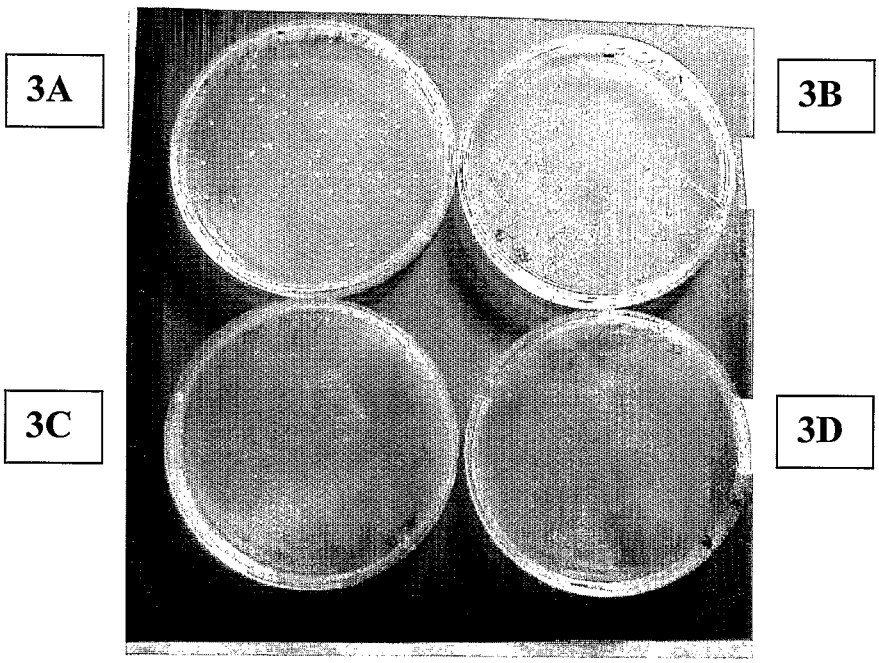

Figure 4

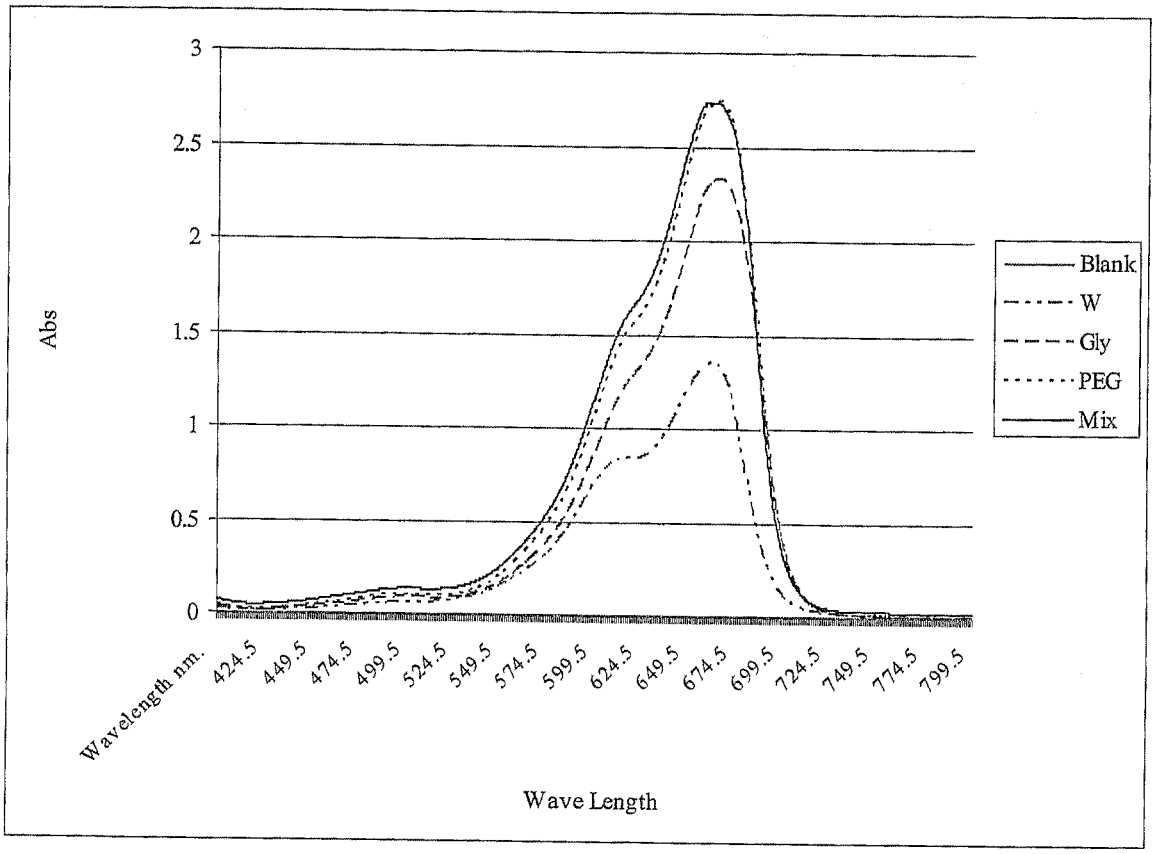
3
2.5
2
1.5
1
0.5
0
Abs
Wavelength nm.
424.5
449.5
474.5
499.5
524.5
549.5
574.5
599.5
624.5
649.5
674.5
699.5
724.5
749.5
774.5
799.5
Wave Length
Blank
W
Gly
PEG
Mix

Figure 5

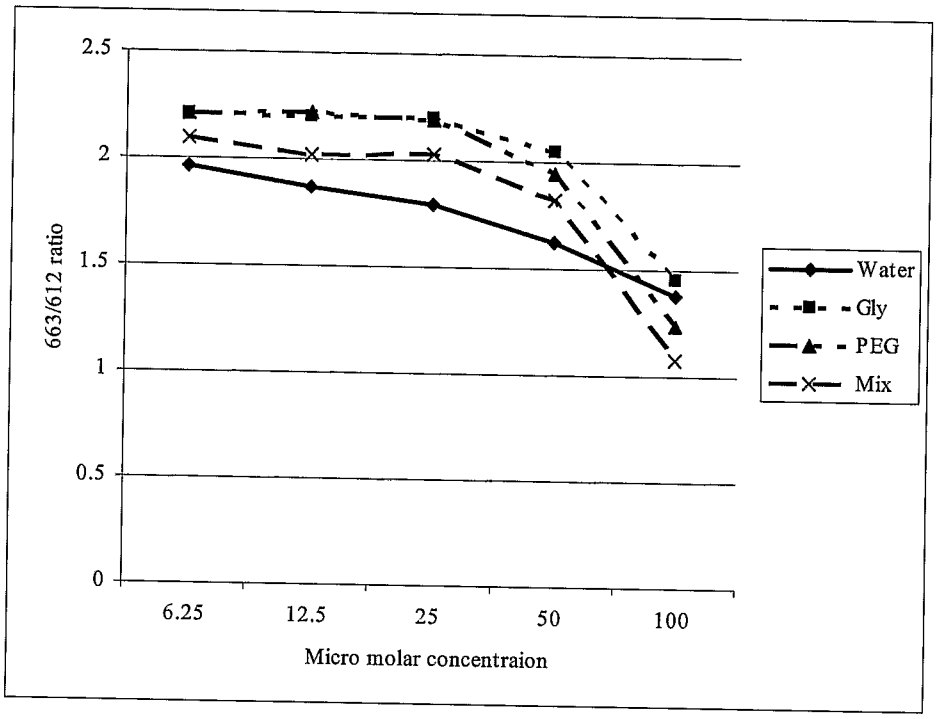
2.5
2
1.5
1
0.5
0
663/612 ratio
6.25
12.5
25
50
100
Micro molar concentraion
Water
Gly
PEG
Mix

Figure 6

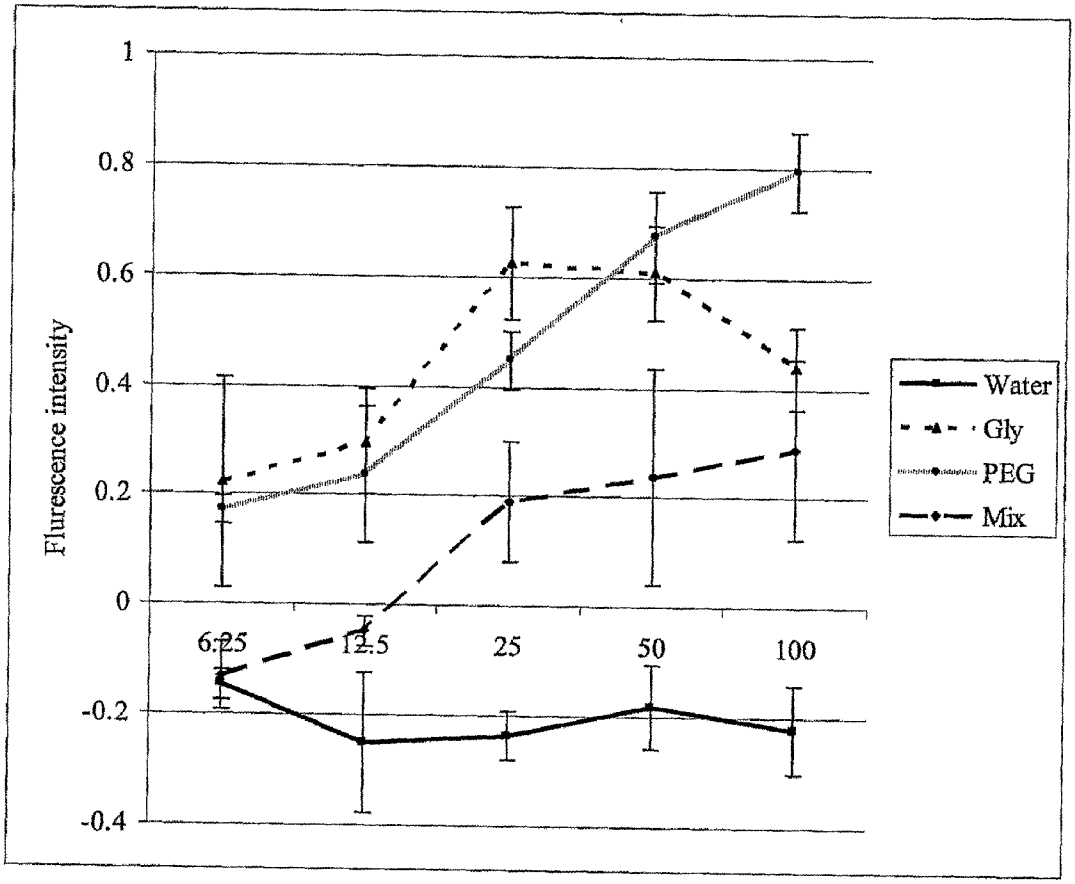
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
Fluorescence intensity
6.25
12.5
25
50
100
Water
Gly
PEG
Mix

Figure 7

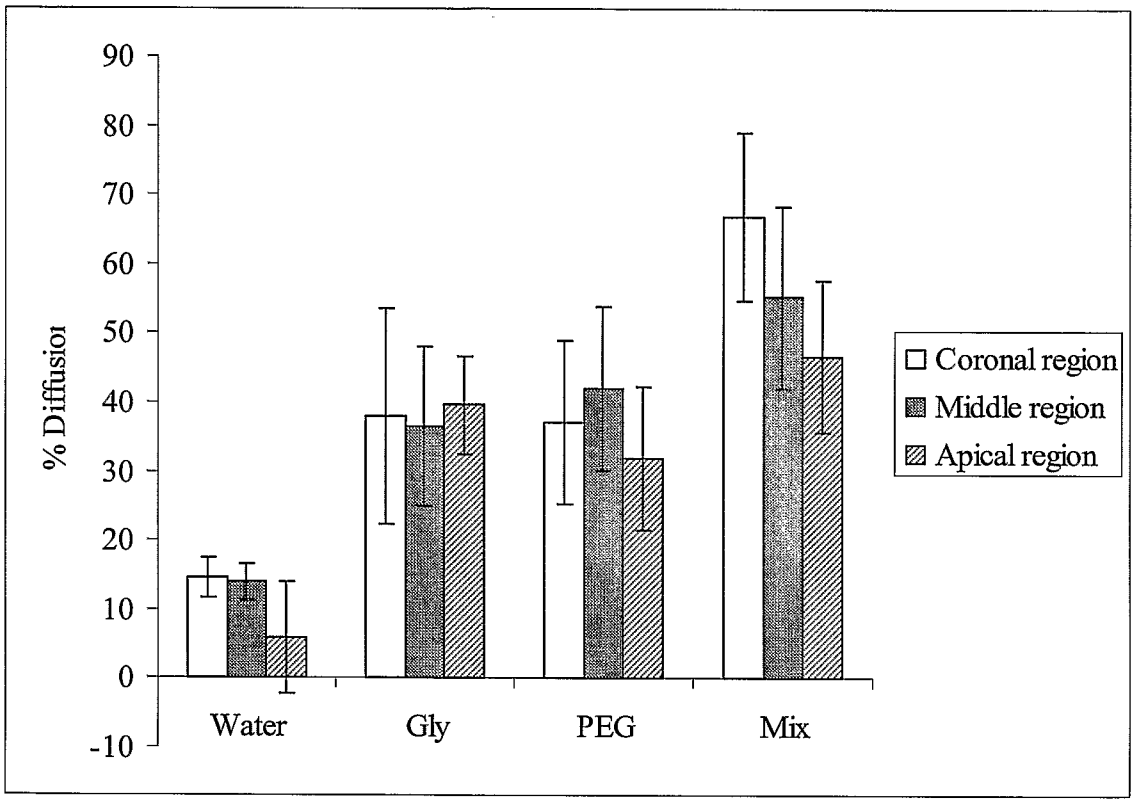
90
80
70
60
50
40
30
20
10
0
-10
% Diffusion
Water
Gly
PEG
Mix
Coronal region
Middle region
Apical region

Figure 8

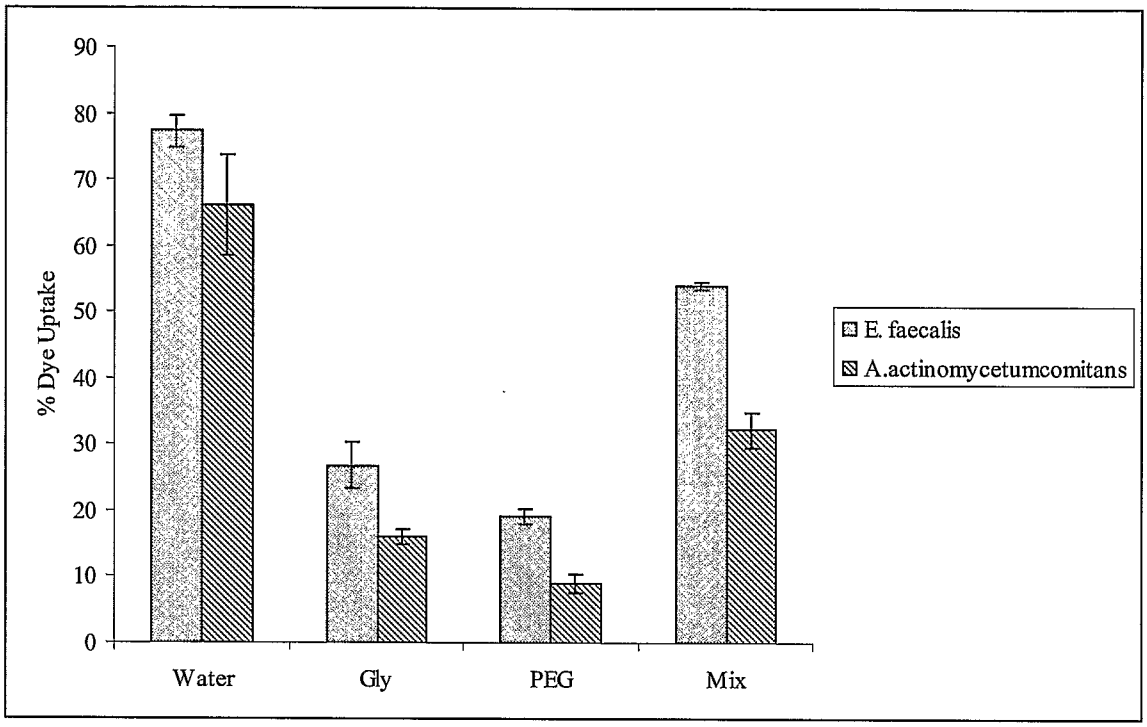

Figure 9

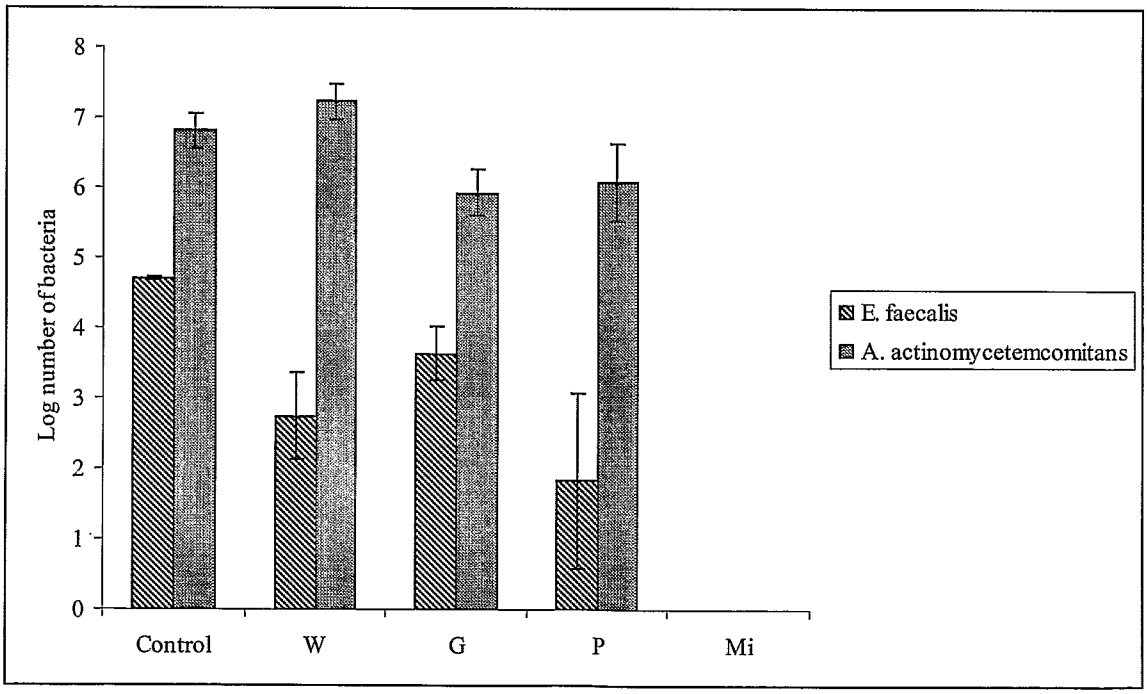

Figure 10

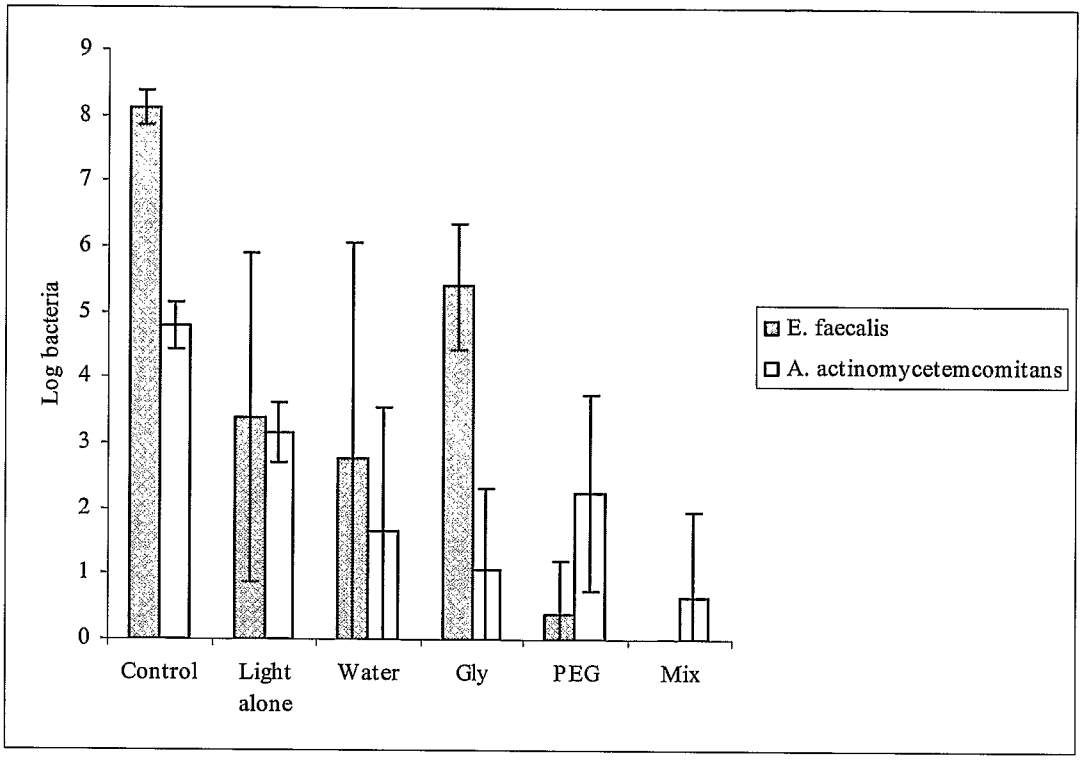
Log bacteria
9
8
7
6
5
4
3
2
1
0
Control
Light alone
Water
Gly
PEG
Mix
E. faecalis
A. actinomycetemcomitans

Figure 11

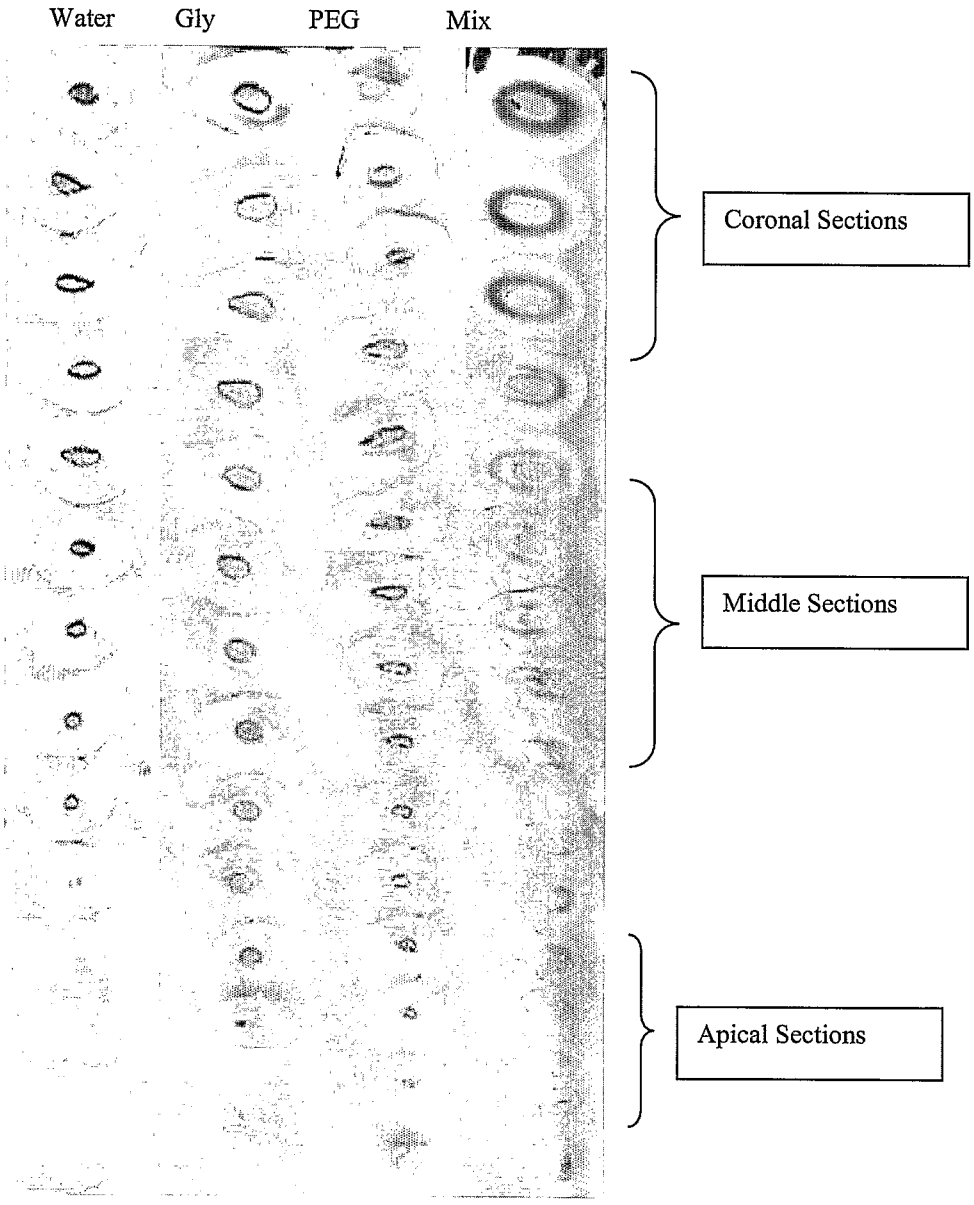
Water
Gly
PEG
Mix
Coronal Sections
Middle Sections
Apical Sections

Figure 12

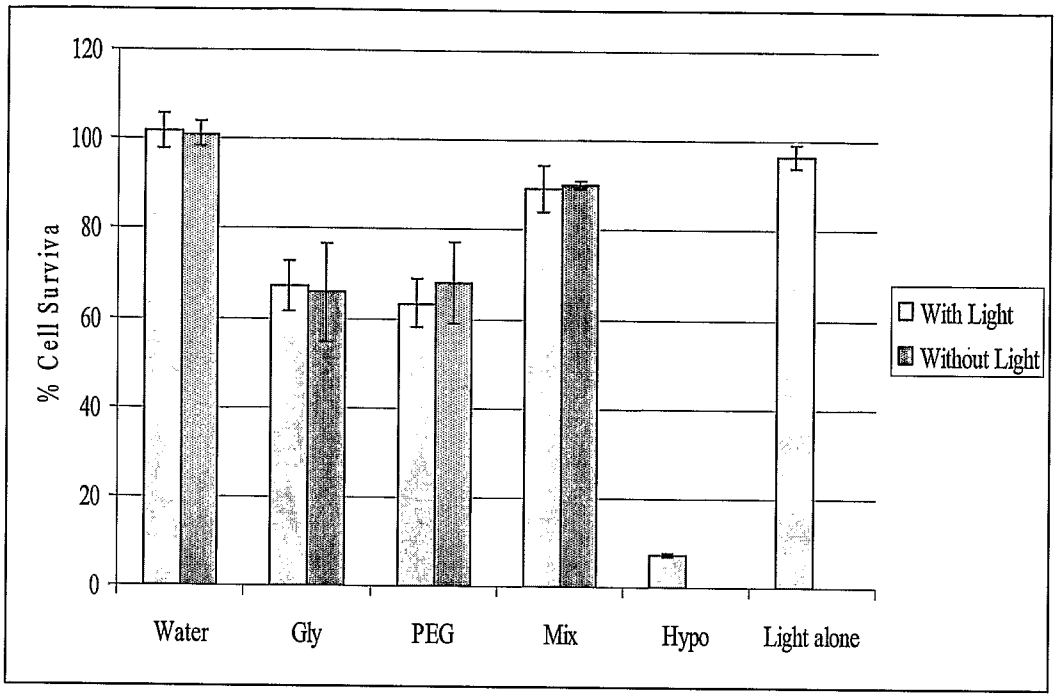
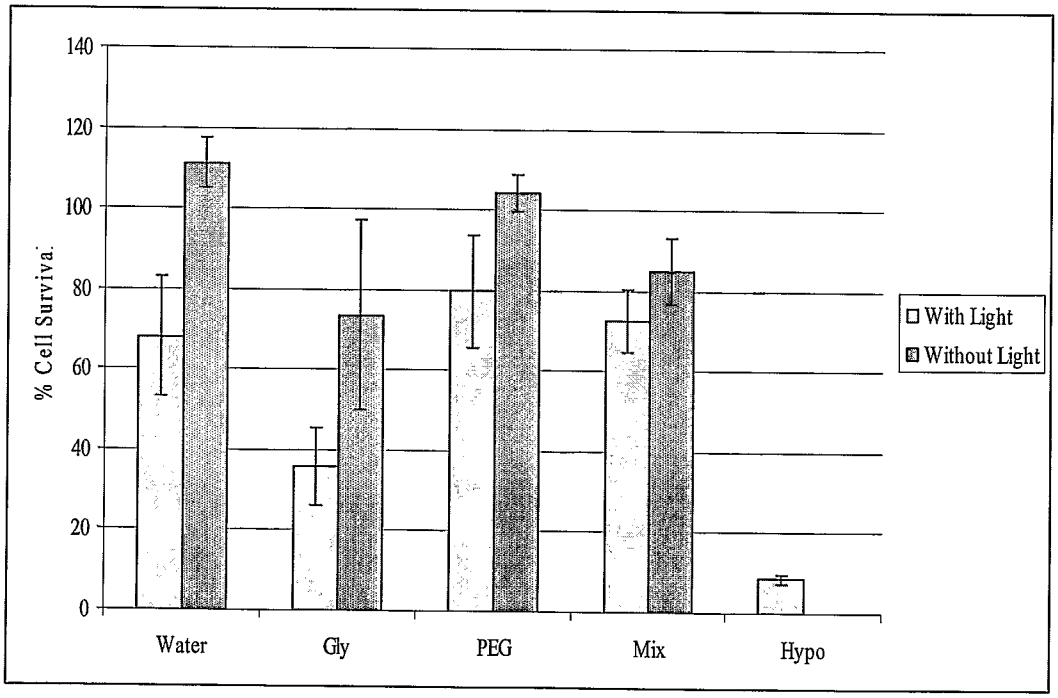
Figure 13