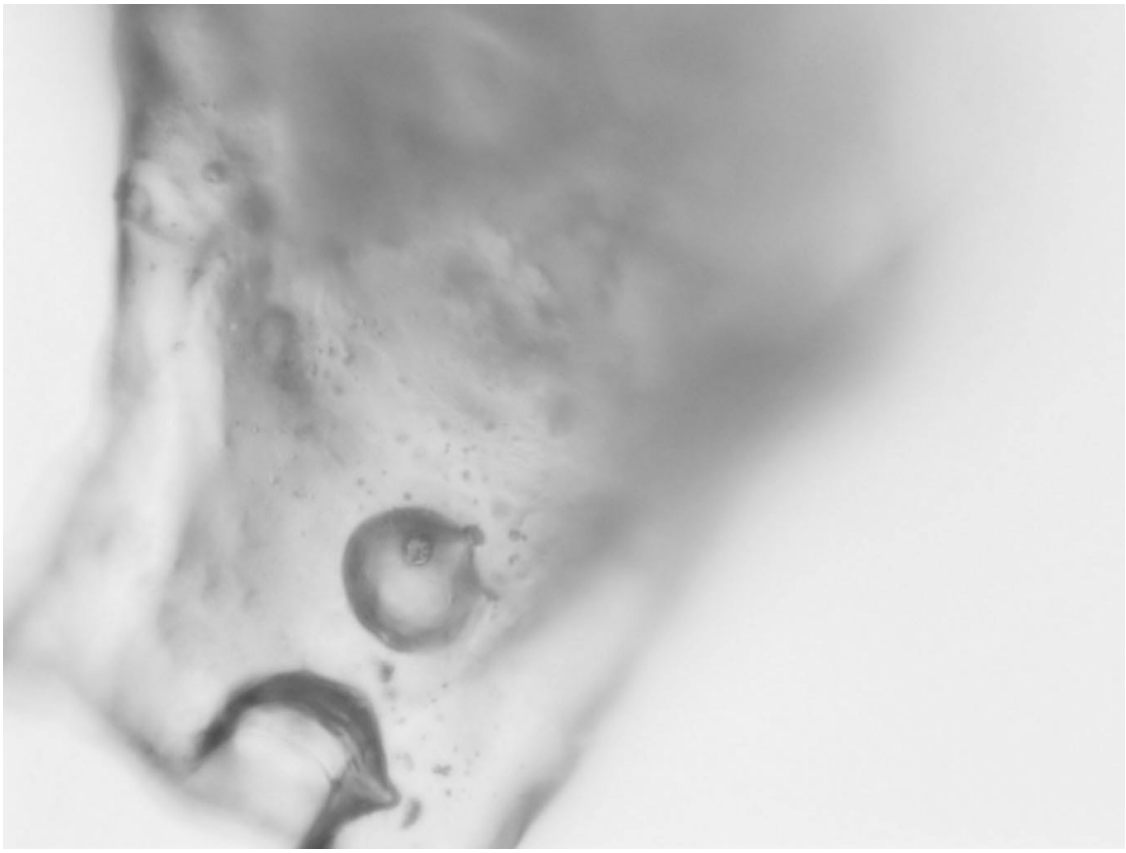


FIG. 1

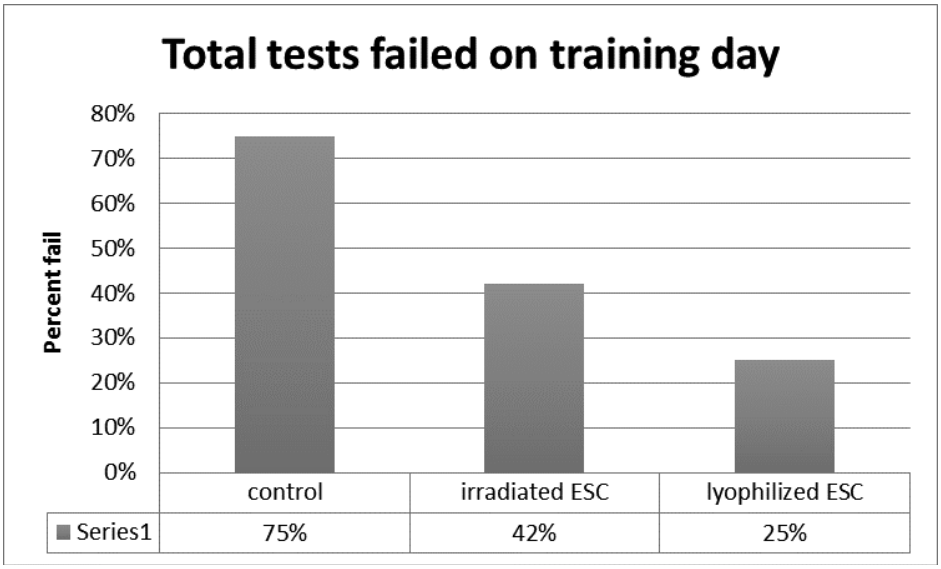

Total tests failed on training day
Percent fail
80%
70%
60%
50%
40%
30%
20%
10%
0%
control
irradiated ESC
lyophilized ESC
Series1
75%
42%
25%

FIG. 2

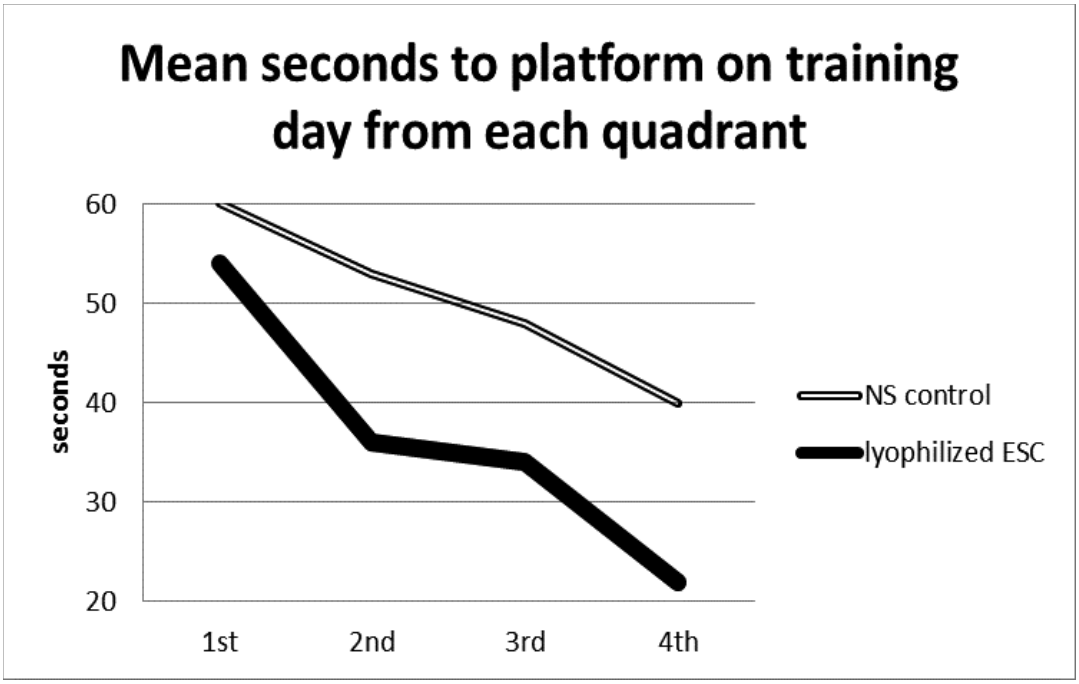

Mean seconds to platform on training day from each quadrant
seconds
60
50
40
30
20
1st
2nd
3rd
4th
NS control
lyophilized ESC

FIG. 3

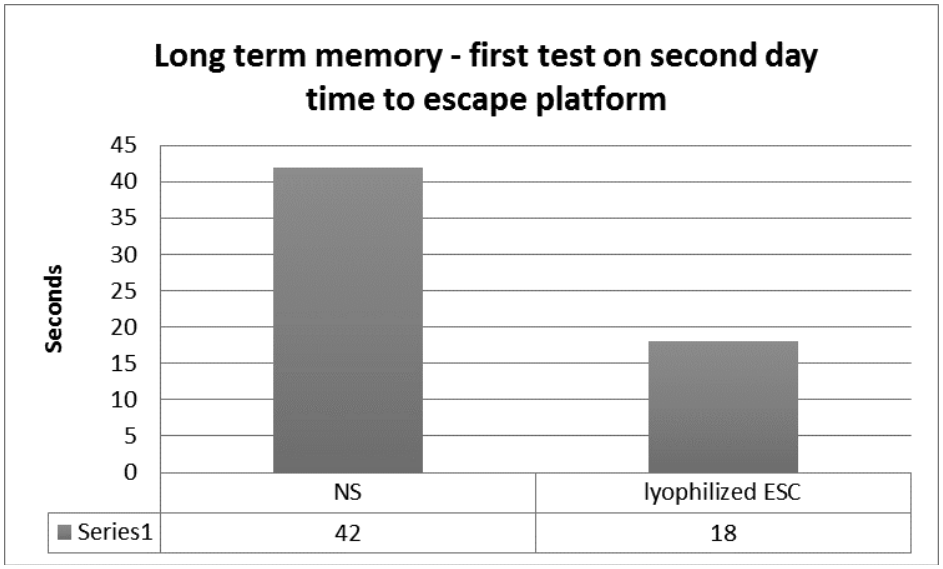

Long term memory - first test on second day
time to escape platform
Seconds
45
40
35
30
25
20
15
10
5
0
NS
lyophilized ESC
Series1
42
18

FIG. 4

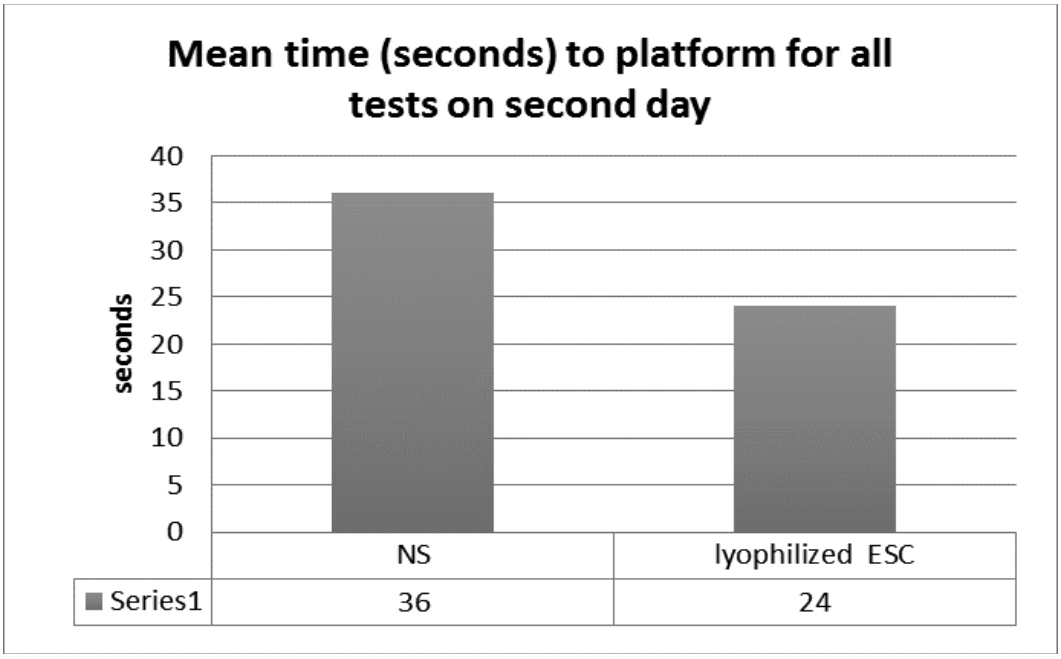

Mean time (seconds) to platform for all
tests on second day
seconds
40
35
30
25
20
15
10
5
0
NS
lyophilized ESC
Series1
36
24

FIG. 5

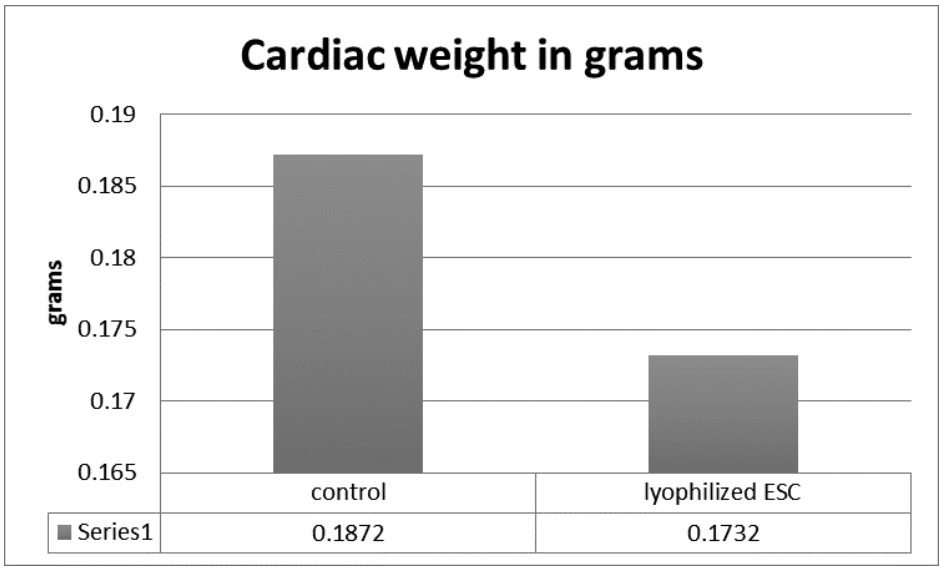

Cardiac weight in grams
grams
0.19
0.185
0.18
0.175
0.17
0.165
control
lyophilized ESC
Series1
0.1872
0.1732

FIG. 6

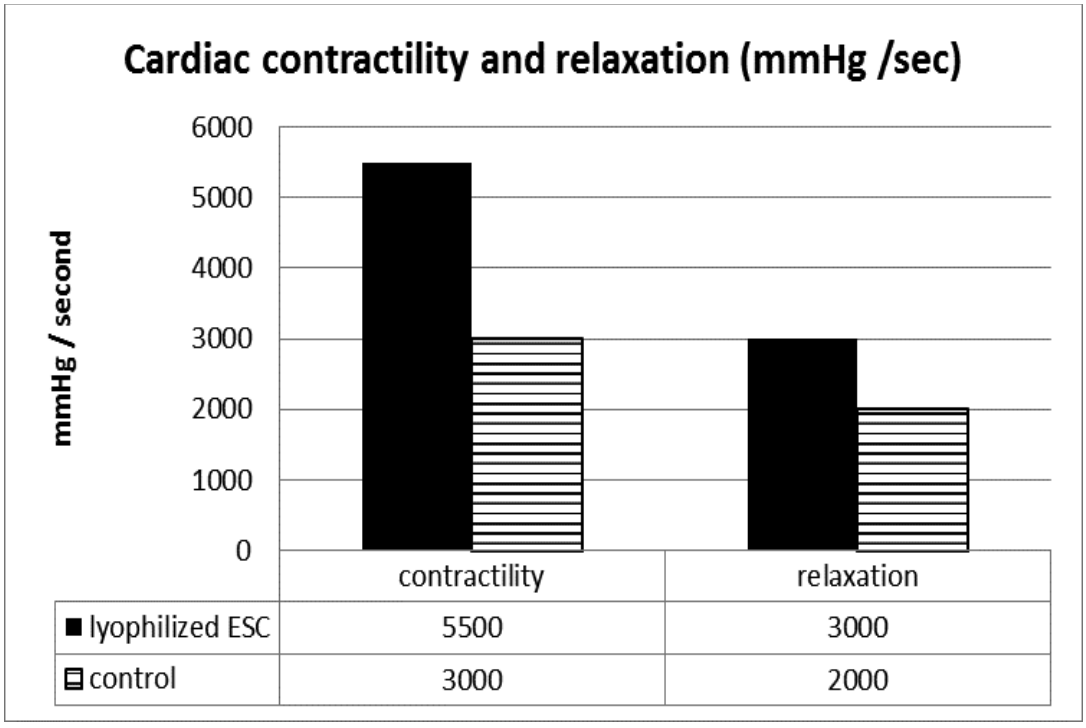

Cardiac contractility and relaxation (mmHg /sec)
mmHg / second
6000
5000
4000
3000
2000
1000
0
contractility
relaxation
lyophilized ESC
5500
3000
control
3000
2000

FIG. 7