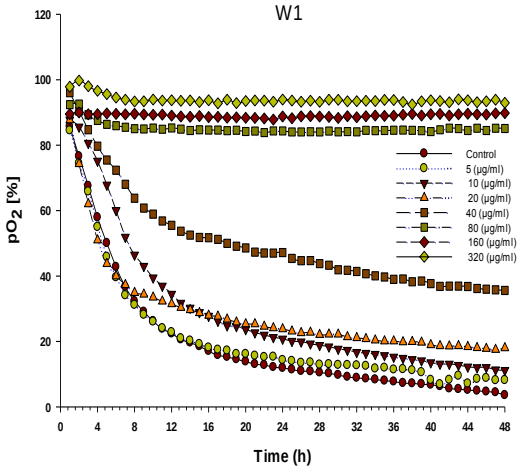
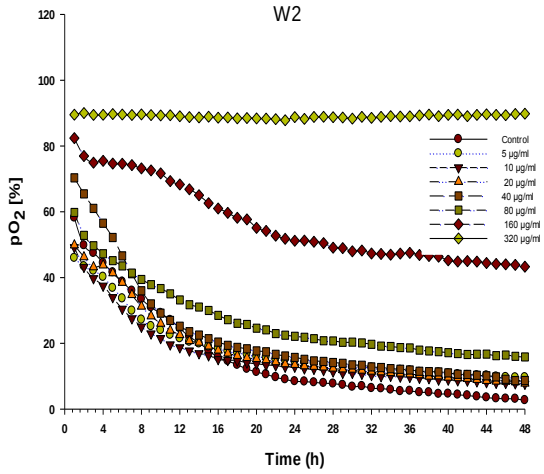
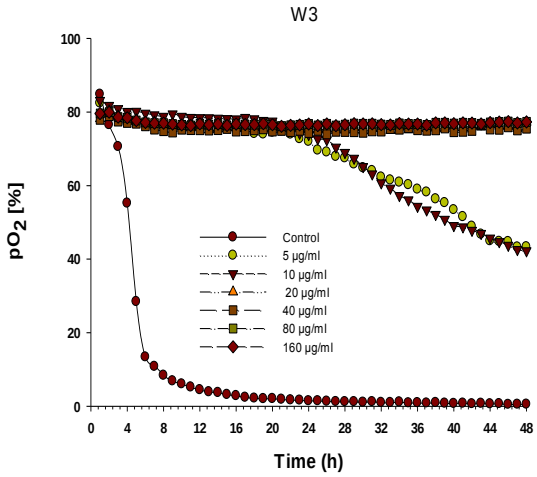
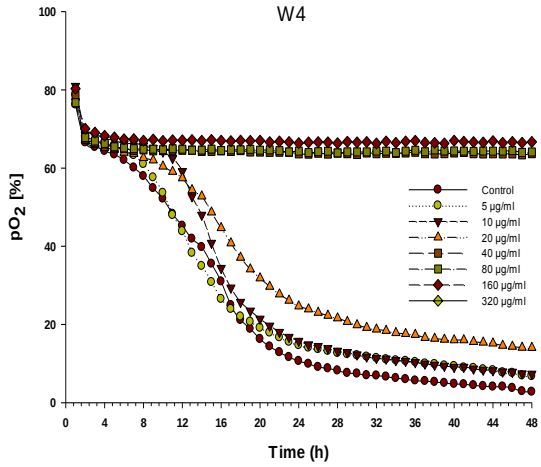
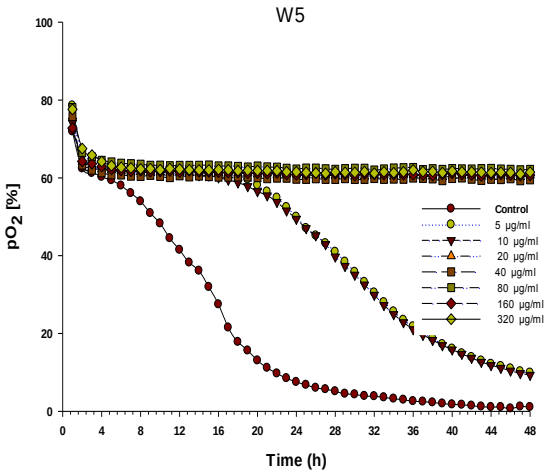
Appendix

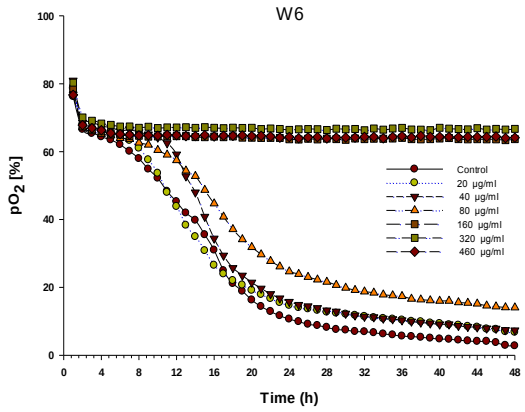

W1
pO2 [%]
Time (h)
Control
5 (µg/ml)
10 (µg/ml)
20 (µg/ml)
40 (µg/ml)
80 (µg/ml)
160 (µg/ml)
320 (µg/ml)


W2
pO2 [%]
Time (h)
Control
5 µg/ml
10 µg/ml
20 µg/ml
40 µg/ml
80 µg/ml
160 µg/ml
320 µg/ml

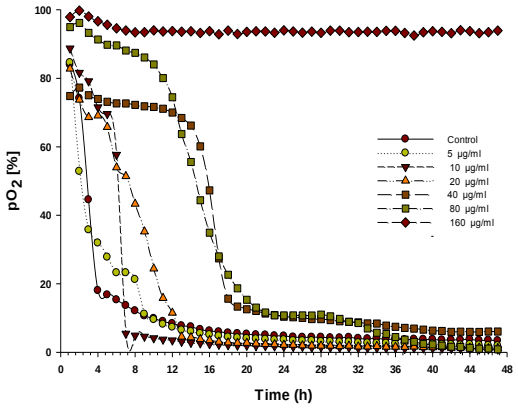

W3
pO2 [%]
Time (h)
Control
5 µg/ml
10 µg/ml
20 µg/ml
40 µg/ml
80 µg/ml
160 µg/ml


W4
pO2 [%]
Time (h)
Control
5 µg/ml
10 µg/ml
20 µg/ml
40 µg/ml
80 µg/ml
160 µg/ml
320 µg/ml

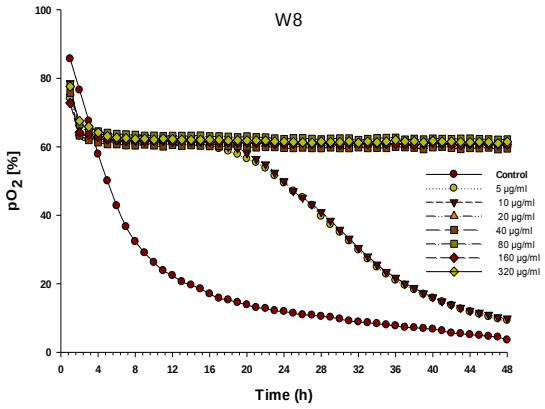

W5
pO2 [%]
Time (h)
Control
5 µg/ml
10 µg/ml
20 µg/ml
40 µg/ml
80 µg/ml
160 µg/ml
320 µg/ml


W6
pO2 [%]
Time (h)
Control
20 µg/ml
40 µg/ml
80 µg/ml
160 µg/ml
320 µg/ml
460 µg/ml

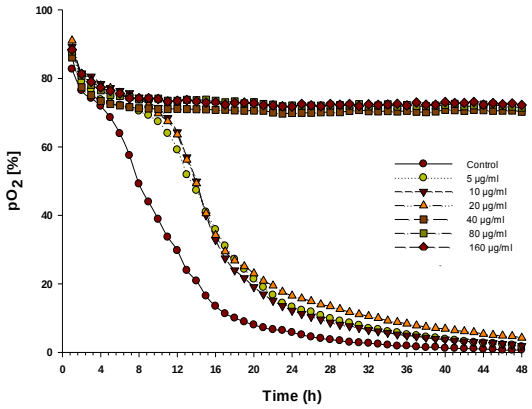
W7



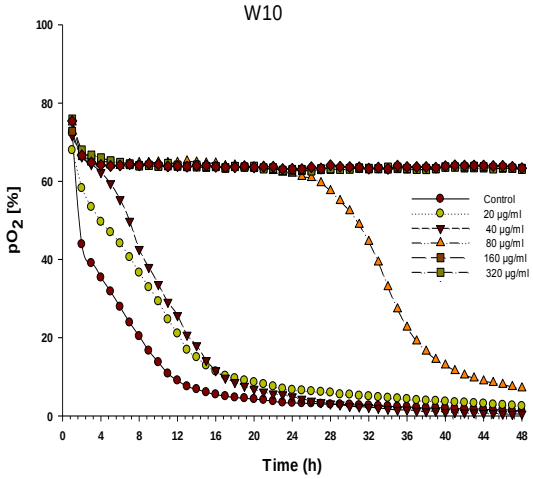
W8



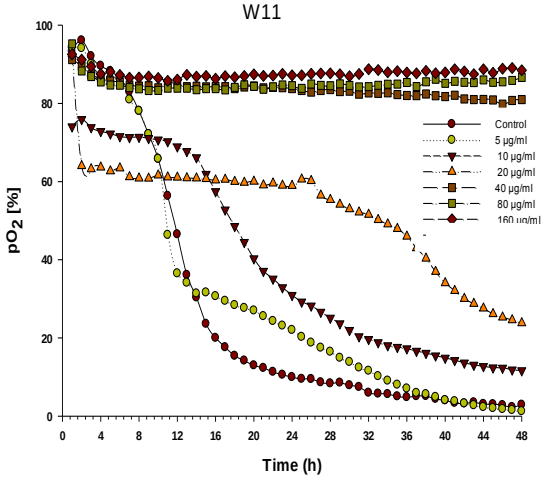
W9



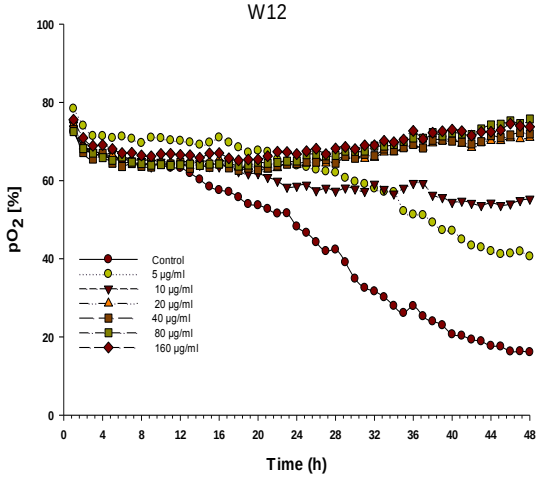
W10

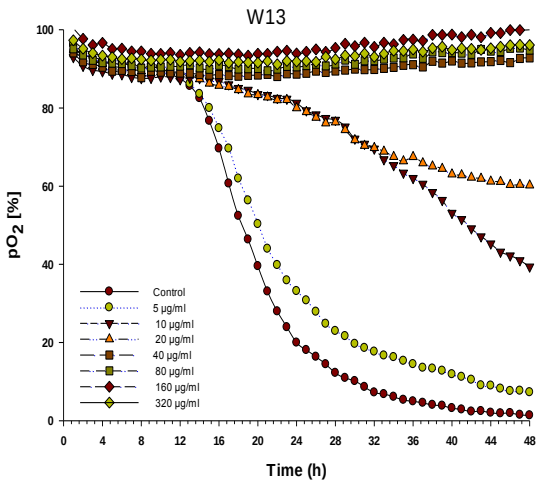


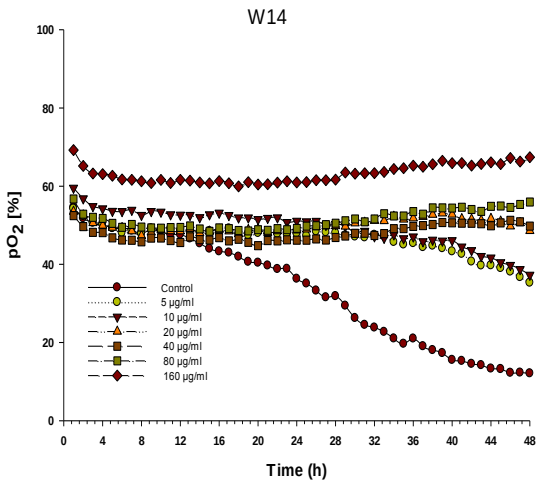
W11

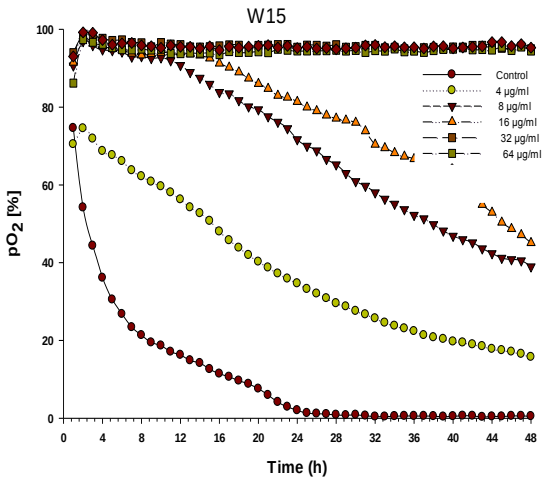


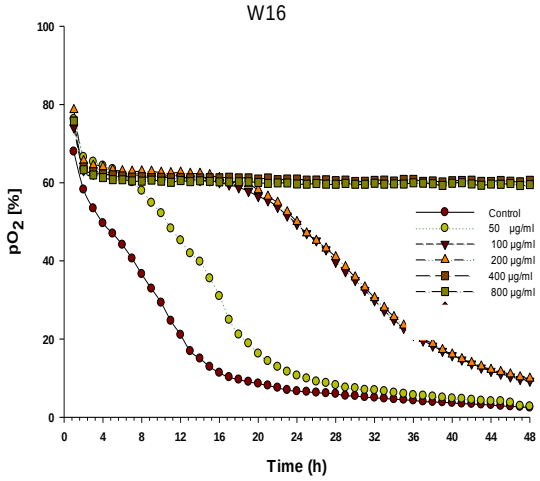
W12

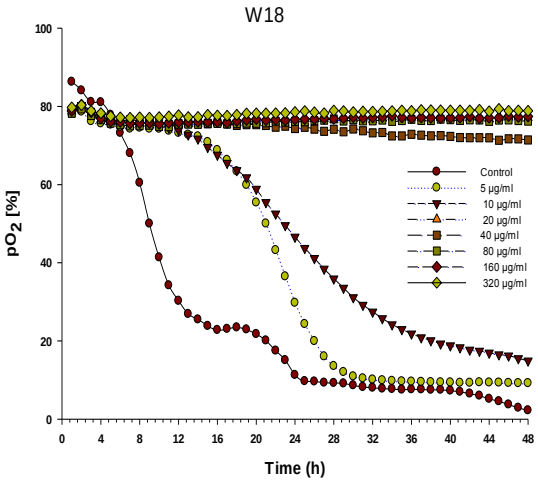


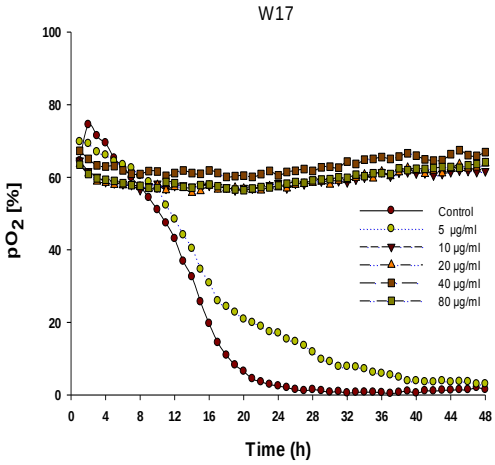

W13
pO2 [%]
Time (h)
Control
5 µg/ml
10 µg/ml
20 µg/ml
40 µg/ml
80 µg/ml
160 µg/ml
320 µg/ml

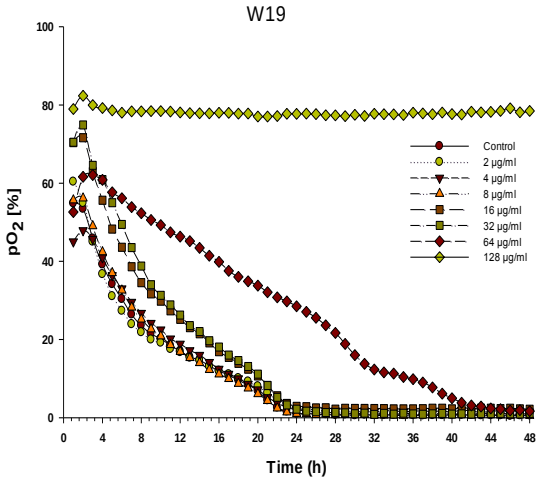

W14
pO2 [%]
Time (h)
Control
5 µg/ml
10 µg/ml
20 µg/ml
40 µg/ml
80 µg/ml
160 µg/ml

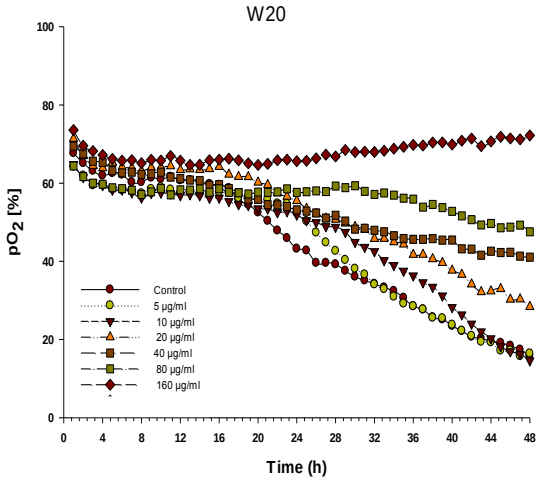

W15
pO2 [%]
Time (h)
Control
4 µg/ml
8 µg/ml
16 µg/ml
32 µg/ml
64 µg/ml

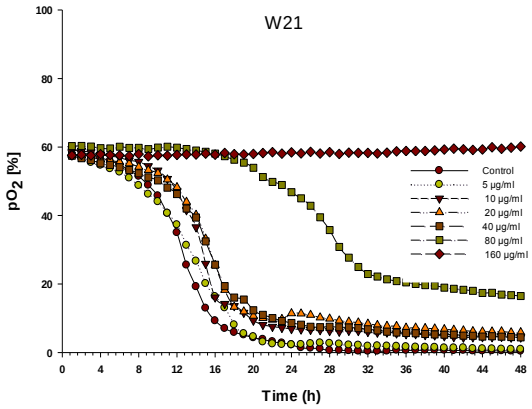

W16
pO2 [%]
Time (h)
Control
50 µg/ml
100 µg/ml
200 µg/ml
400 µg/ml
800 µg/ml

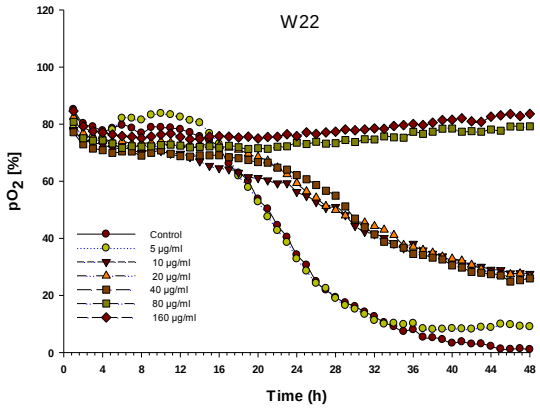

W18
pO2 [%]
Time (h)
Control
5 µg/ml
10 µg/ml
20 µg/ml
40 µg/ml
80 µg/ml
160 µg/ml
320 µg/ml

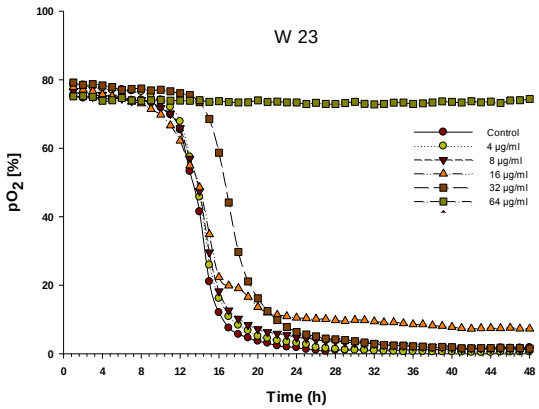

W17
pO2 [%]
Time (h)
Control
5 µg/ml
10 µg/ml
20 µg/ml
40 µg/ml
80 µg/ml

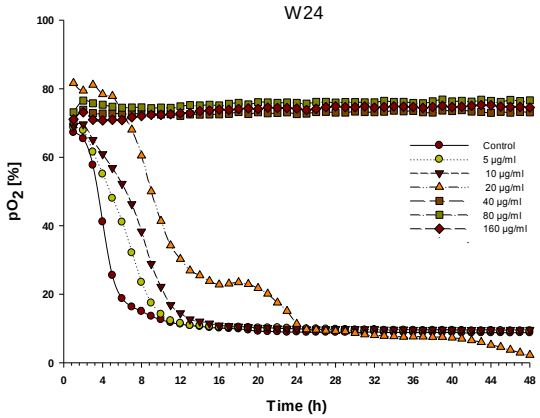

W19
pO2 [%]
Time (h)
Control
2 µg/ml
4 µg/ml
8 µg/ml
16 µg/ml
32 µg/ml
64 µg/ml
128 µg/ml

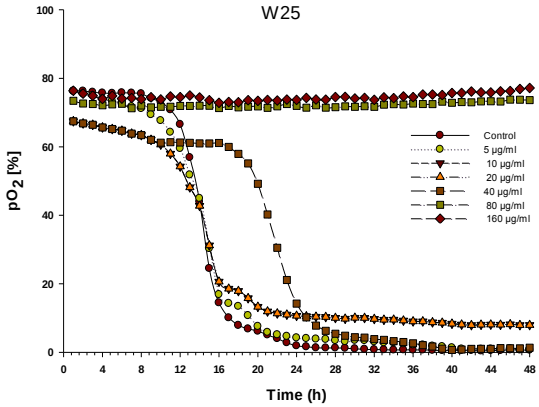

W20
pO2 [%]
Time (h)
Control
5 µg/ml
10 µg/ml
20 µg/ml
40 µg/ml
80 µg/ml
160 µg/ml

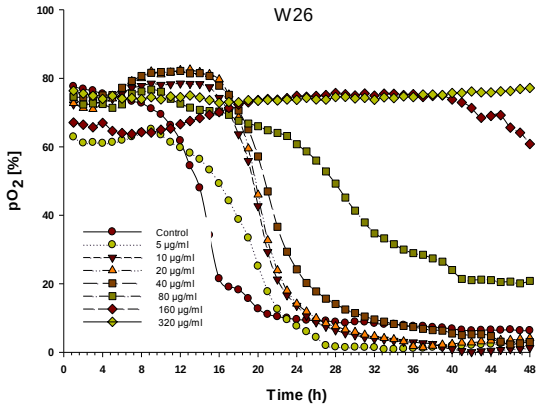

W21
pO2 [%]
Time (h)
Control
5 µg/ml
10 µg/ml
20 µg/ml
40 µg/ml
80 µg/ml
160 µg/ml

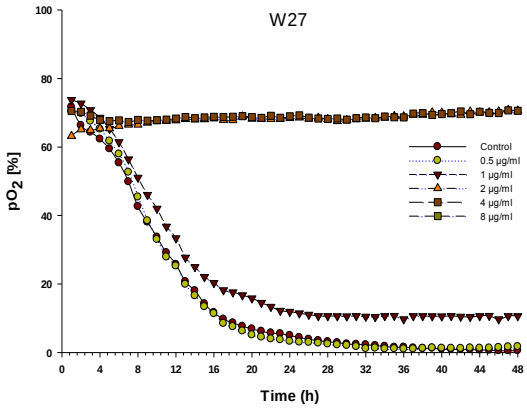

W22
pO2 [%]
Time (h)
Control
5 µg/ml
10 µg/ml
20 µg/ml
40 µg/ml
80 µg/ml
160 µg/ml

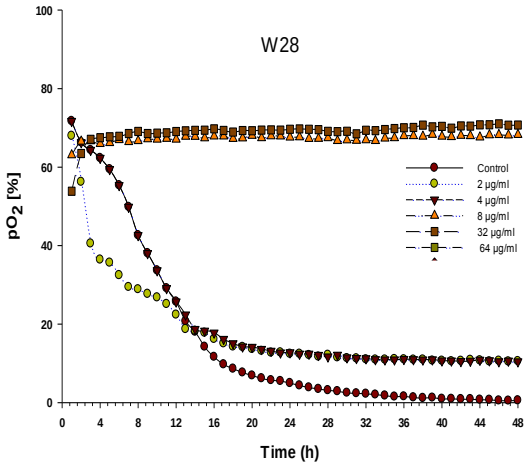

W 23
pO2 [%]
Time (h)
Control
4 µg/ml
8 µg/ml
16 µg/ml
32 µg/ml
64 µg/ml

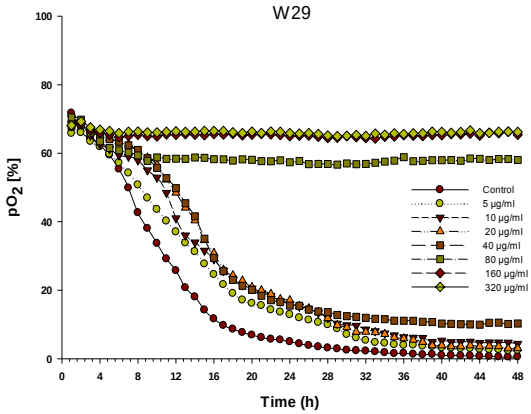

W24
pO2 [%]
Time (h)
Control
5 µg/ml
10 µg/ml
20 µg/ml
40 µg/ml
80 µg/ml
160 µg/ml

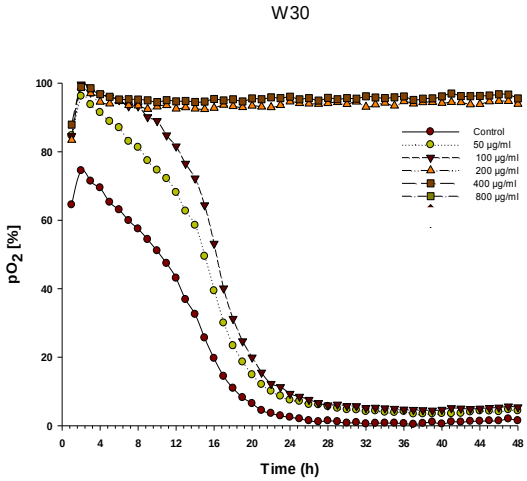

W25
pO2 [%]
Time (h)
Control
5 µg/ml
10 µg/ml
20 µg/ml
40 µg/ml
80 µg/ml
160 µg/ml

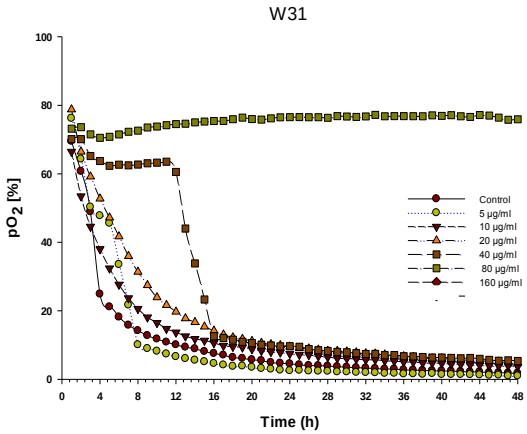

W26
pO2 [%]
Time (h)
Control
5 µg/ml
10 µg/ml
20 µg/ml
40 µg/ml
80 µg/ml
160 µg/ml
320 µg/ml

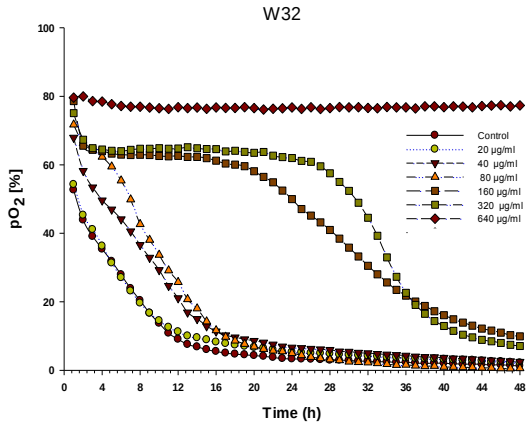

W27
pO2 [%]
Time (h)
Control
0.5 µg/ml
1 µg/ml
2 µg/ml
4 µg/ml
8 µg/ml

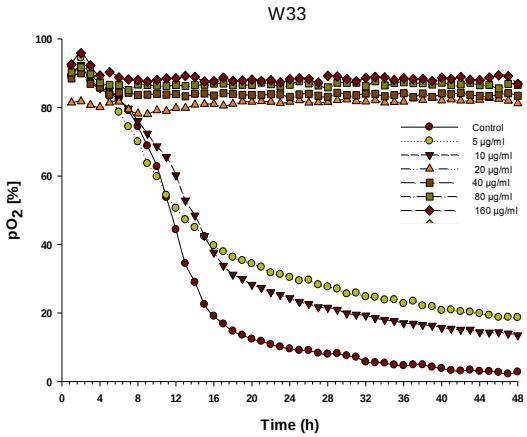

W28
pO2 [%]
Time (h)
Control
2 µg/ml
4 µg/ml
8 µg/ml
32 µg/ml
64 µg/ml

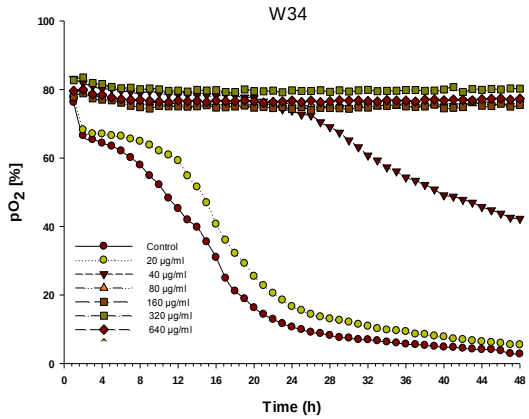

W29
pO2 [%]
Time (h)
Control
5 µg/ml
10 µg/ml
20 µg/ml
40 µg/ml
80 µg/ml
160 µg/ml
320 µg/ml

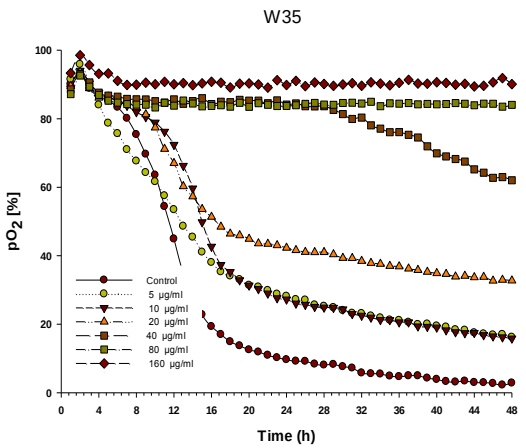

W30
pO2 [%]
Time (h)
Control
50 µg/ml
100 µg/ml
200 µg/ml
400 µg/ml
800 µg/ml

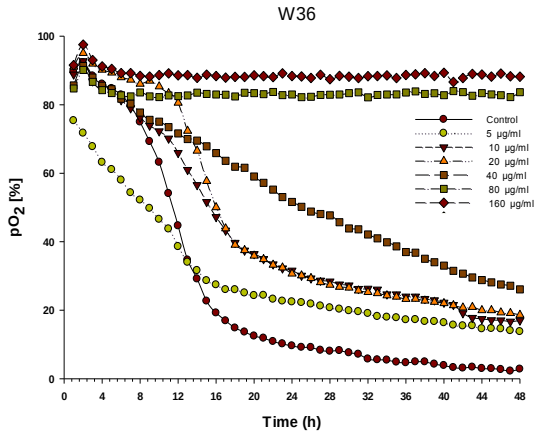

W31
pO2 [%]
Time (h)
Control
5 µg/ml
10 µg/ml
20 µg/ml
40 µg/ml
80 µg/ml
160 µg/ml

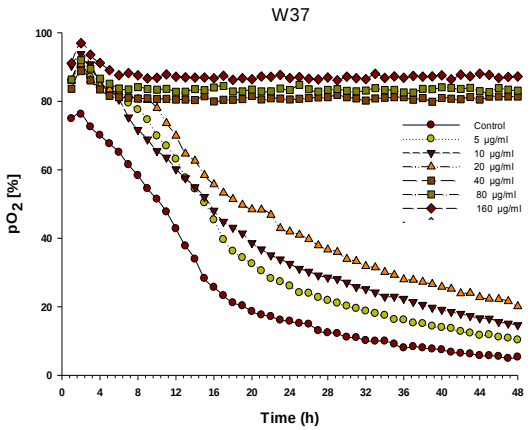

W32
pO2 [%]
Time (h)
Control
20 µg/ml
40 µg/ml
80 µg/ml
160 µg/ml
320 µg/ml
640 µg/ml

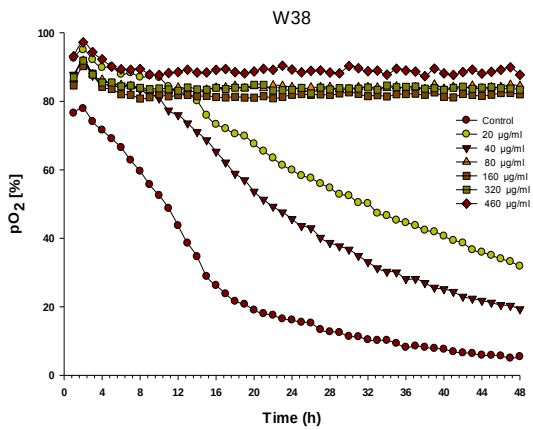

W33
pO2 [%]
Time (h)
Control
5 µg/ml
10 µg/ml
20 µg/ml
40 µg/ml
80 µg/ml
160 µg/ml

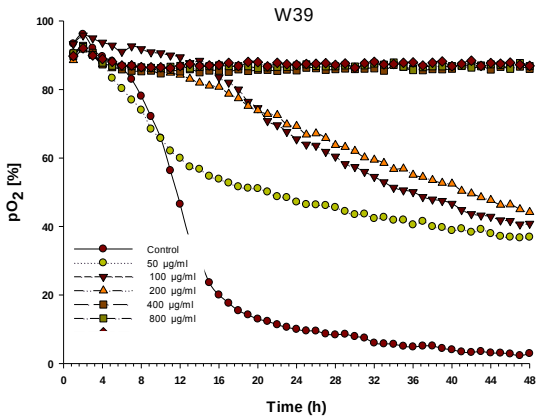

W34
pO2 [%]
Time (h)
Control
20 µg/ml
40 µg/ml
80 µg/ml
160 µg/ml
320 µg/ml
640 µg/ml

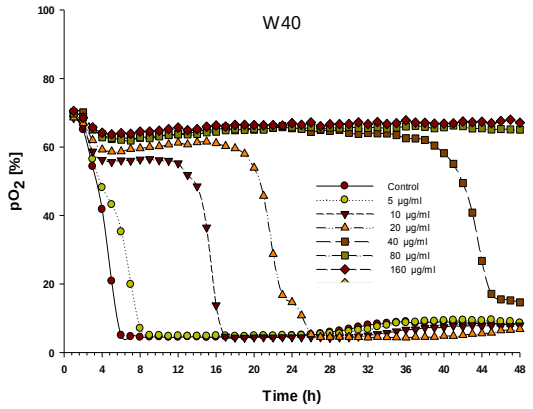

W35
pO2 [%]
Time (h)
Control
5 µg/ml
10 µg/ml
20 µg/ml
40 µg/ml
80 µg/ml
160 µg/ml

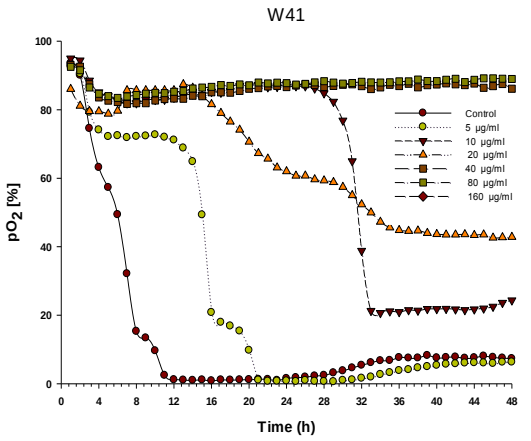

W36
pO2 [%]
Time (h)
Control
5 µg/ml
10 µg/ml
20 µg/ml
40 µg/ml
80 µg/ml
160 µg/ml

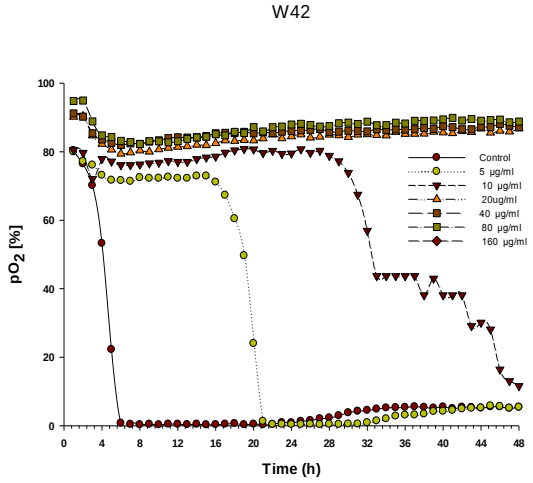

W37
pO2 [%]
Time (h)
Control
5 µg/ml
10 µg/ml
20 µg/ml
40 µg/ml
80 µg/ml
160 µg/ml

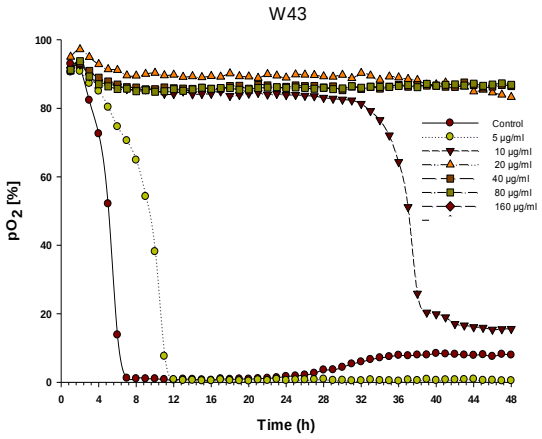

W38
pO2 [%]
Time (h)
Control
20 µg/ml
40 µg/ml
80 µg/ml
160 µg/ml
320 µg/ml
460 µg/ml

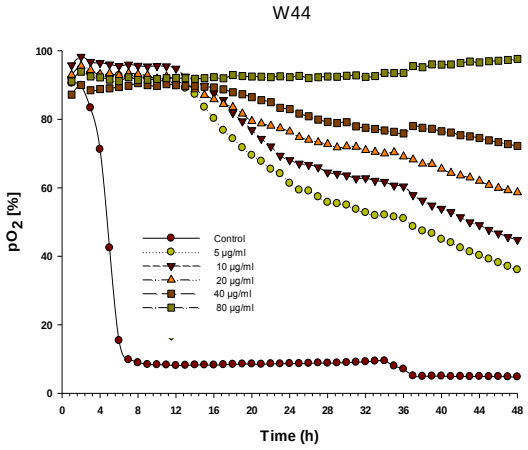

W39
pO2 [%]
Time (h)
Control
50 µg/ml
100 µg/ml
200 µg/ml
400 µg/ml
800 µg/ml

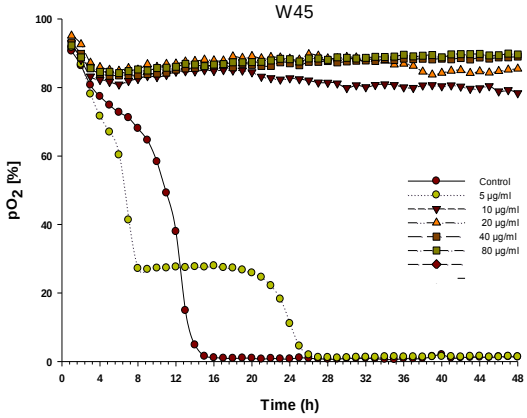

W40
pO2 [%]
Time (h)
Control
5 µg/ml
10 µg/ml
20 µg/ml
40 µg/ml
80 µg/ml
160 µg/ml

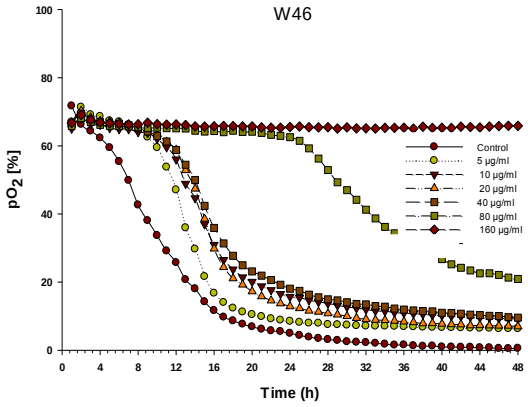

W41
pO2 [%]
Time (h)
Control
5 µg/ml
10 µg/ml
20 µg/ml
40 µg/ml
80 µg/ml
160 µg/ml

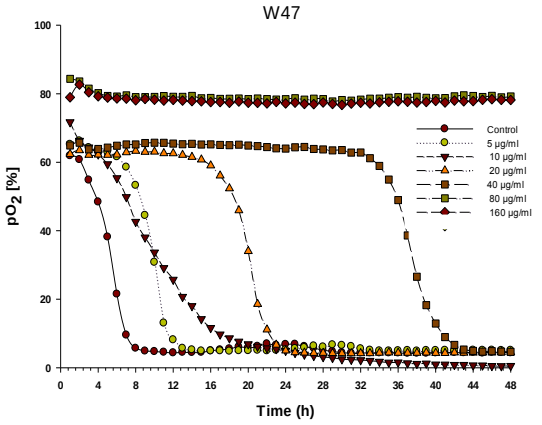

W42
pO2 [%]
Time (h)
Control
5 µg/ml
10 µg/ml
20ug/ml
40 µg/ml
80 µg/ml
160 µg/ml

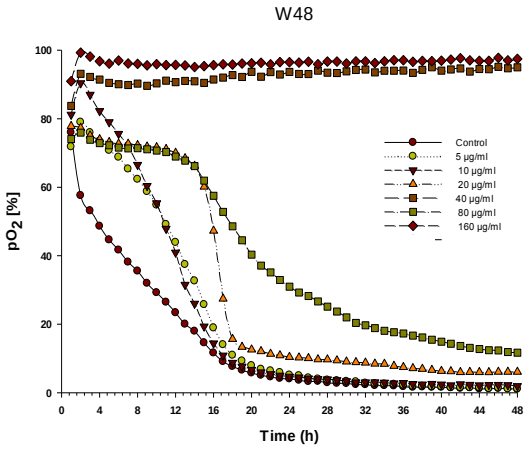

W43
pO2 [%]
Time (h)
Control
5 µg/ml
10 µg/ml
20 µg/ml
40 µg/ml
80 µg/ml
160 µg/ml

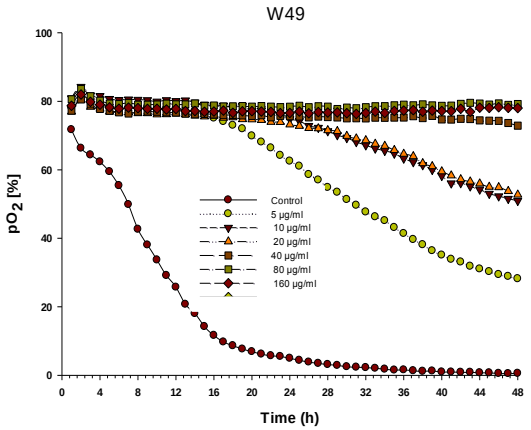

W44
pO2 [%]
Time (h)
Control
5 µg/ml
10 µg/ml
20 µg/ml
40 µg/ml
80 µg/ml

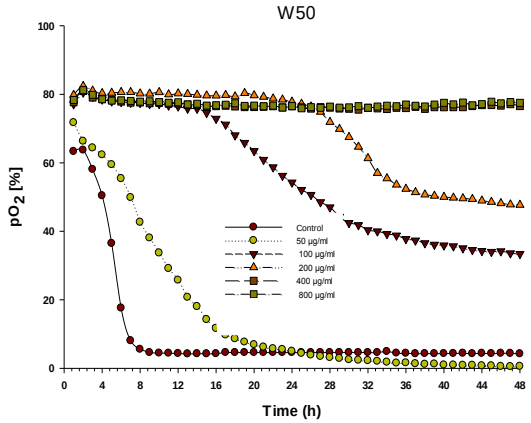

W45
pO2 [%]
Time (h)
Control
5 µg/ml
10 µg/ml
20 µg/ml
40 µg/ml
80 µg/ml

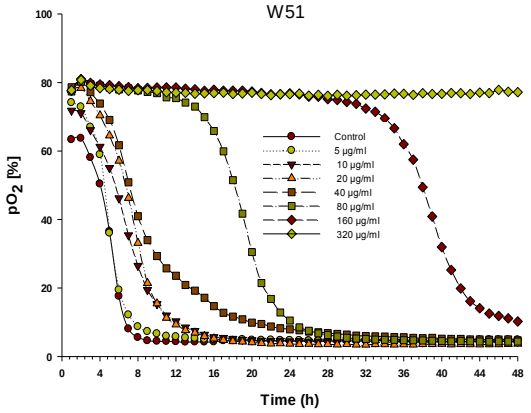

W46
pO2 [%]
Time (h)
Control
5 µg/ml
10 µg/ml
20 µg/ml
40 µg/ml
80 µg/ml
160 µg/ml

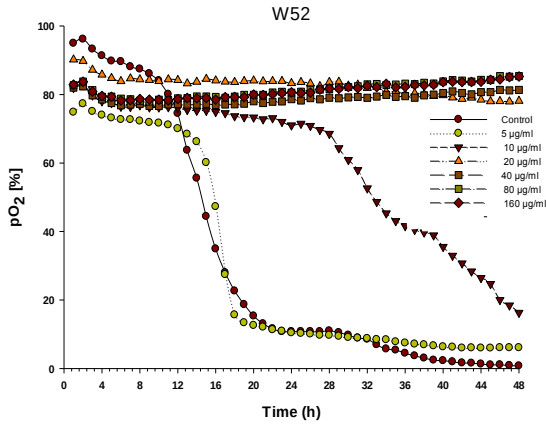

W47
pO2 [%]
Time (h)
Control
5 µg/ml
10 µg/ml
20 µg/ml
40 µg/ml
80 µg/ml
160 µg/ml

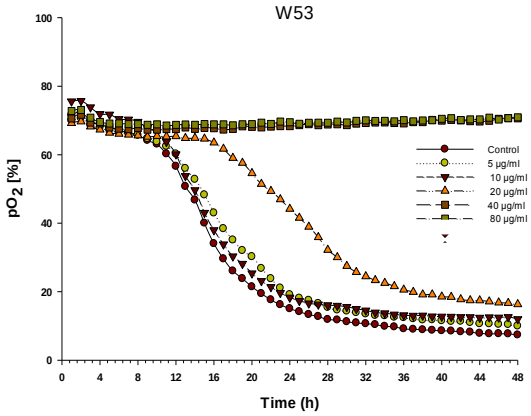

W48
pO2 [%]
Time (h)
Control
5 µg/ml
10 µg/ml
20 µg/ml
40 µg/ml
80 µg/ml
160 µg/ml

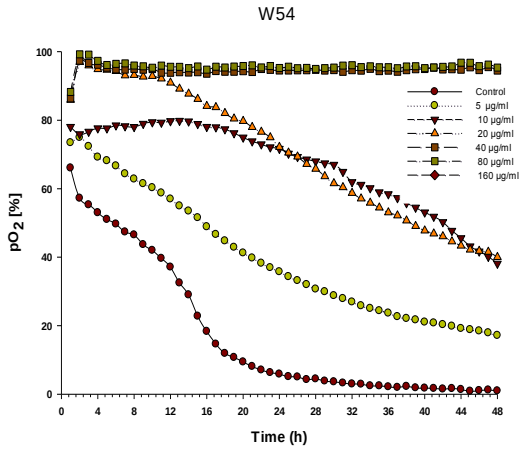

W49
pO2 [%]
Time (h)
Control
5 µg/ml
10 µg/ml
20 µg/ml
40 µg/ml
80 µg/ml
160 µg/ml

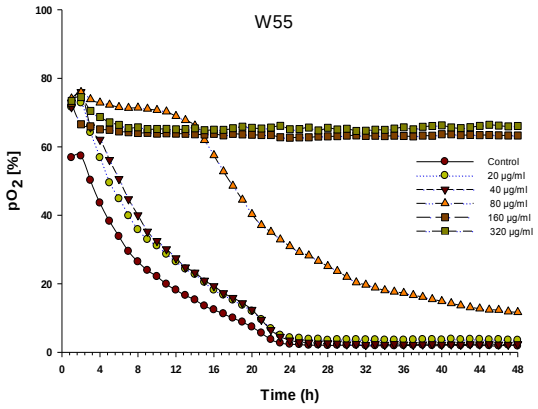

W50
pO2 [%]
Time (h)
Control
50 µg/ml
100 µg/ml
200 µg/ml
400 µg/ml
800 µg/ml

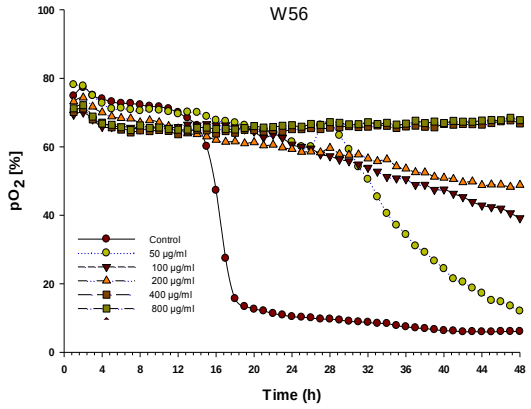

W51
pO2 [%]
Time (h)
Control
5 µg/ml
10 µg/ml
20 µg/ml
40 µg/ml
80 µg/ml
160 µg/ml
320 µg/ml

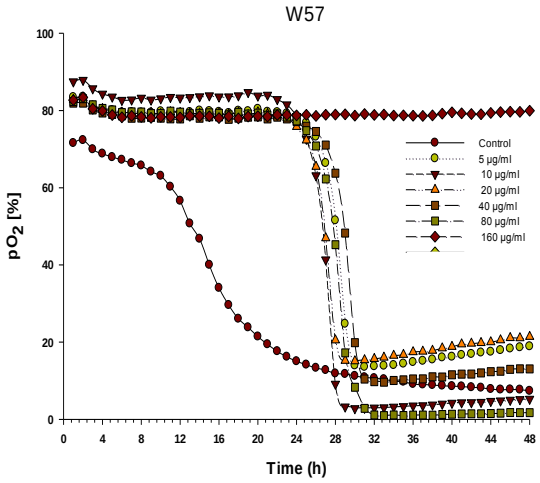

W52
pO2 [%]
Time (h)
Control
5 µg/ml
10 µg/ml
20 µg/ml
40 µg/ml
80 µg/ml
160 µg/ml

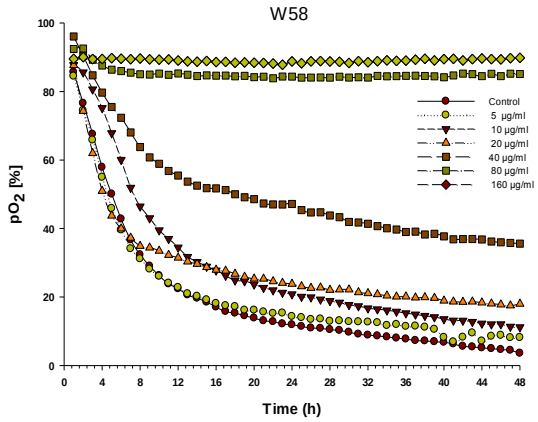

W53
pO2 [%]
Time (h)
Control
5 µg/ml
10 µg/ml
20 µg/ml
40 µg/ml
80 µg/ml

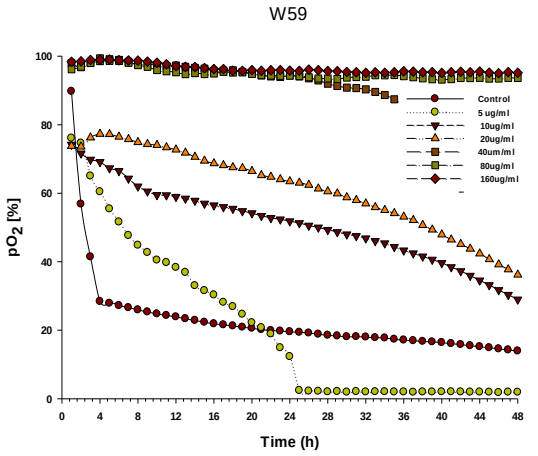

W54
pO2 [%]
Time (h)
Control
5 µg/ml
10 µg/ml
20 µg/ml
40 µg/ml
80 µg/ml
160 µg/ml

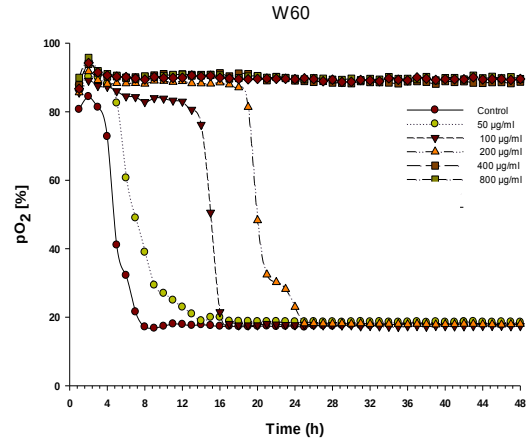

W55
pO2 [%]
Time (h)
Control
20 µg/ml
40 µg/ml
80 µg/ml
160 µg/ml
320 µg/ml

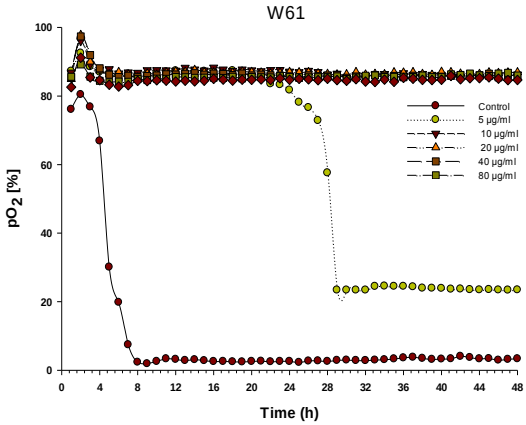

W56
pO2 [%]
Time (h)
Control
50 µg/ml
100 µg/ml
200 µg/ml
400 µg/ml
800 µg/ml

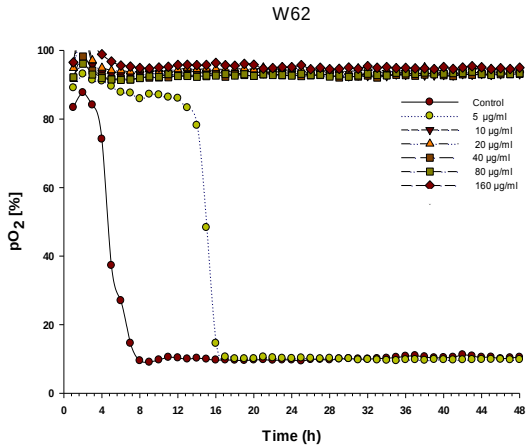

W57
pO2 [%]
Time (h)
Control
5 µg/ml
10 µg/ml
20 µg/ml
40 µg/ml
80 µg/ml
160 µg/ml

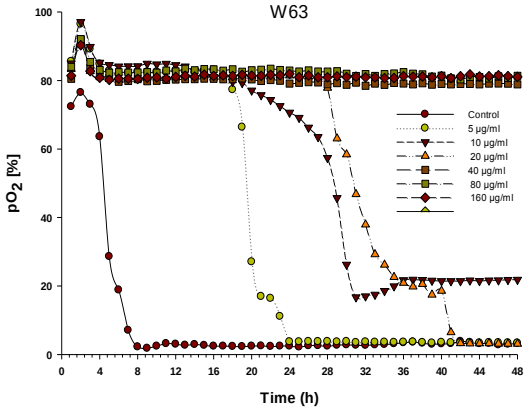

W58
pO2 [%]
Time (h)
Control
5 µg/ml
10 µg/ml
20 µg/ml
40 µg/ml
80 µg/ml
160 µg/ml

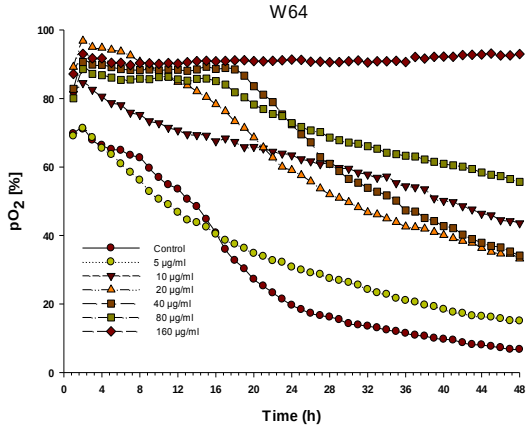

W59
pO2 [%]
Time (h)
Control
5 ug/ml
10ug/ml
20ug/ml
40um/ml
80ug/ml
160ug/ml

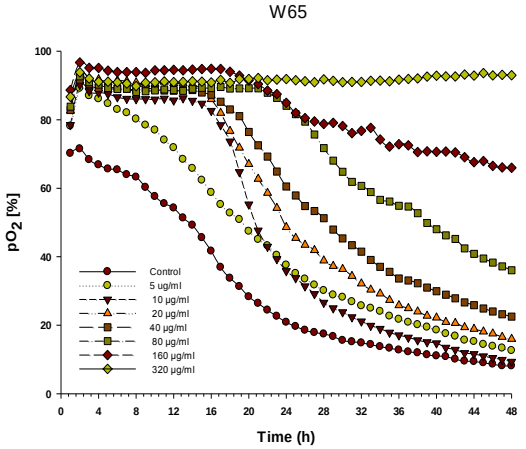

W60
pO2 [%]
Time (h)
Control
50 µg/ml
100 µg/ml
200 µg/ml
400 µg/ml
800 µg/ml

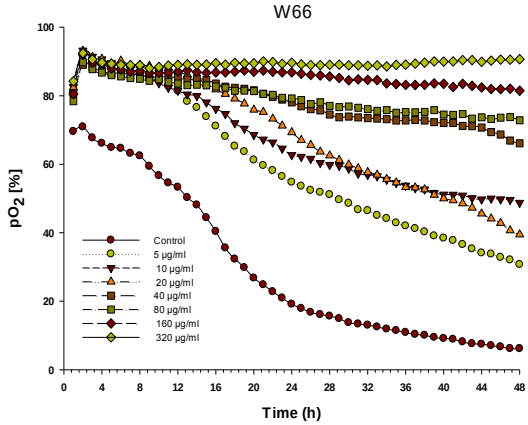

W61
pO2 [%]
Time (h)
Control
5 µg/ml
10 µg/ml
20 µg/ml
40 µg/ml
80 µg/ml

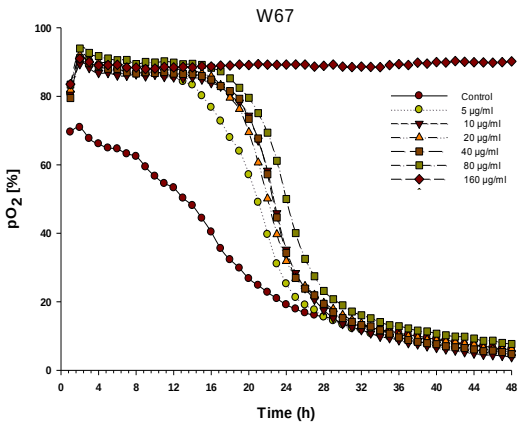

W62
pO2 [%]
Time (h)
Control
5 µg/ml
10 µg/ml
20 µg/ml
40 µg/ml
80 µg/ml
160 µg/ml

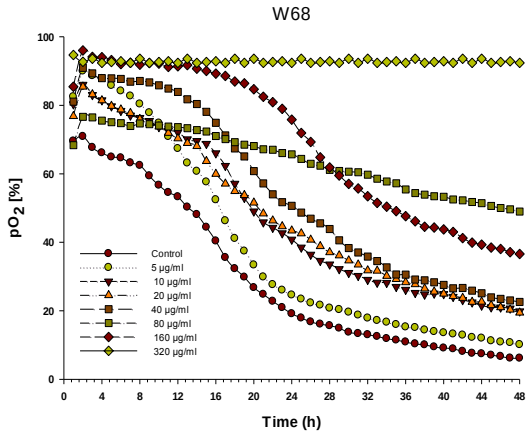

W63
pO2 [%]
Time (h)
Control
5 µg/ml
10 µg/ml
20 µg/ml
40 µg/ml
80 µg/ml
160 µg/ml

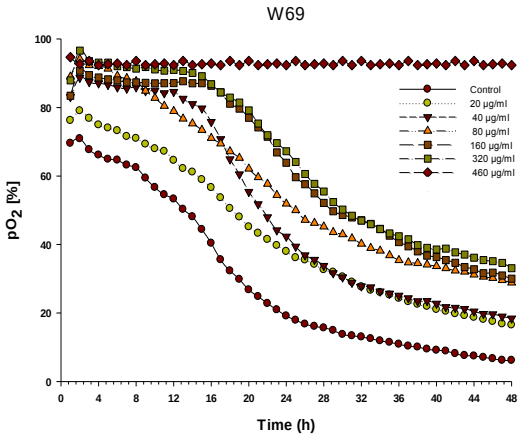

W64
pO2 [%]
Time (h)
Control
5 µg/ml
10 µg/ml
20 µg/ml
40 µg/ml
80 µg/ml
160 µg/ml

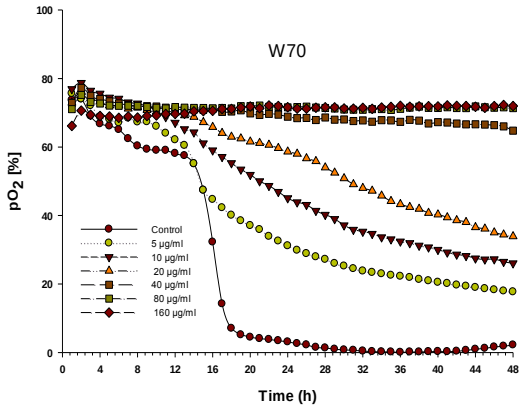

W65
pO2 [%]
Time (h)
Control
5 ug/ml
10 µg/ml
20 µg/ml
40 µg/ml
80 µg/ml
160 µg/ml
320 µg/ml

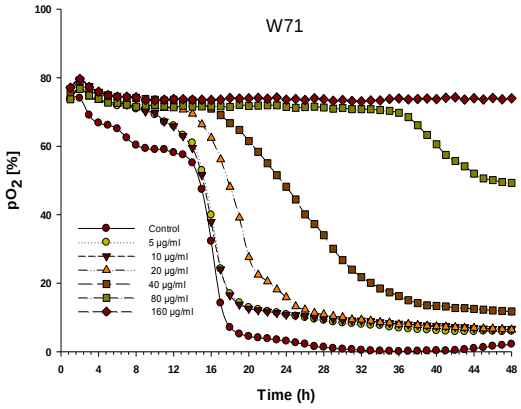

W66
pO2 [%]
Time (h)
Control
5 µg/ml
10 µg/ml
20 µg/ml
40 µg/ml
80 µg/ml
160 µg/ml
320 µg/ml

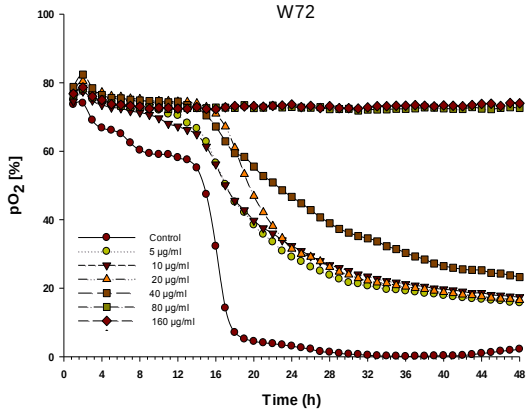

W67
pO2 [%]
Time (h)
Control
5 µg/ml
10 µg/ml
20 µg/ml
40 µg/ml
80 µg/ml
160 µg/ml

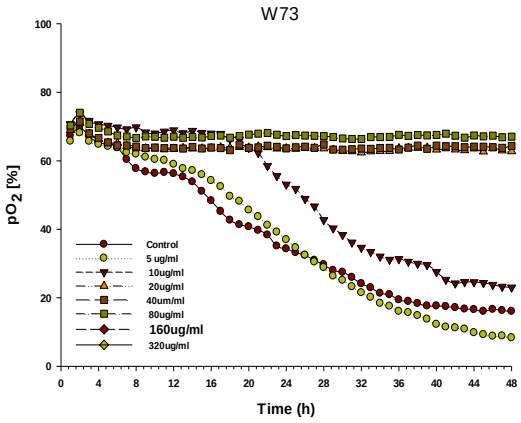

W68
pO2 [%]
Time (h)
Control
5 µg/ml
10 µg/ml
20 µg/ml
40 µg/ml
80 µg/ml
160 µg/ml
320 µg/ml

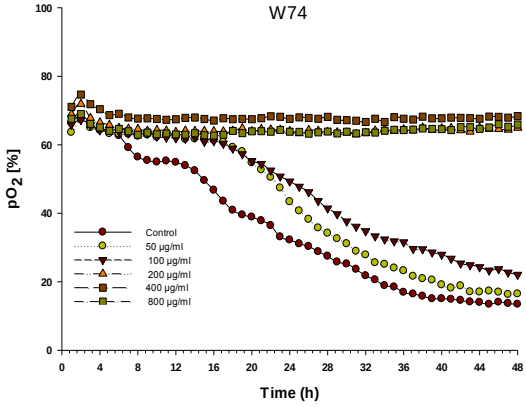

W69
pO2 [%]
Time (h)
Control
20 µg/ml
40 µg/ml
80 µg/ml
160 µg/ml
320 µg/ml
460 µg/ml

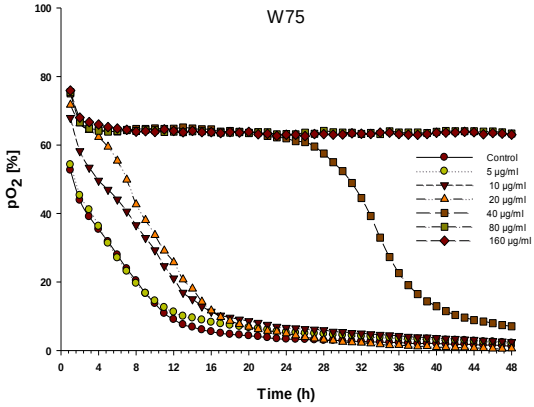

W70
pO2 [%]
Time (h)
Control
5 µg/ml
10 µg/ml
20 µg/ml
40 µg/ml
80 µg/ml
160 µg/ml

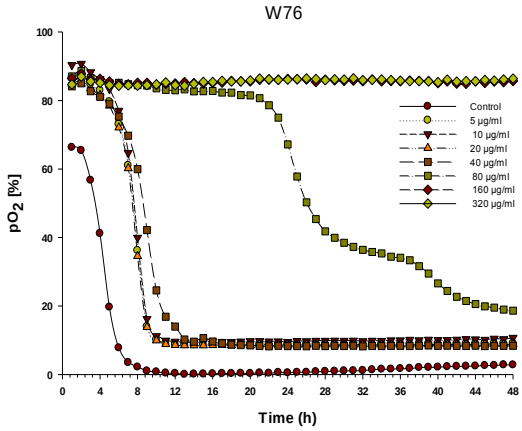

W71
pO2 [%]
Time (h)
Control
5 µg/ml
10 µg/ml
20 µg/ml
40 µg/ml
80 µg/ml
160 µg/ml

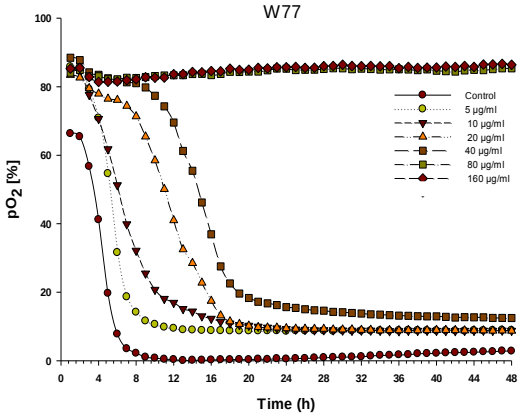

W72
pO2 [%]
Time (h)
Control
5 µg/ml
10 µg/ml
20 µg/ml
40 µg/ml
80 µg/ml
160 µg/ml

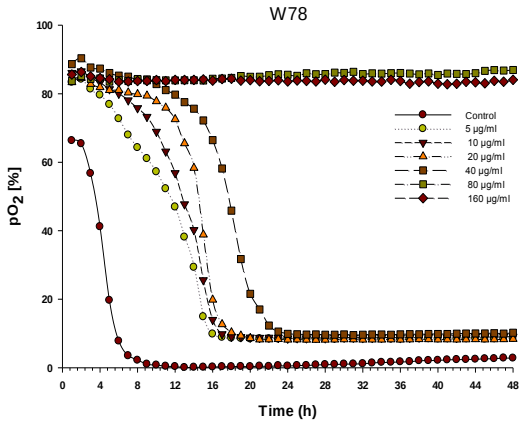

W73
pO2 [%]
Time (h)
Control
5 ug/ml
10ug/ml
20ug/ml
40um/ml
80ug/ml
160ug/ml
320ug/ml

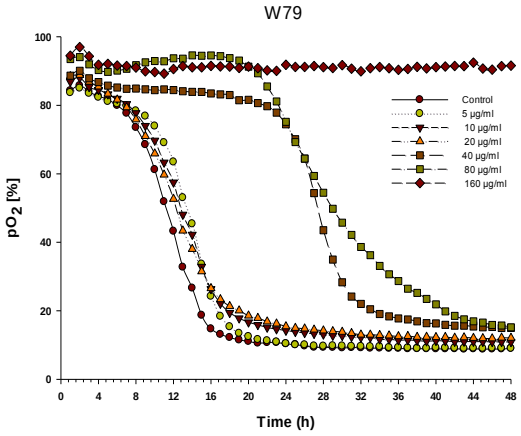

W74
pO2 [%]
Time (h)
Control
50 µg/ml
100 µg/ml
200 µg/ml
400 µg/ml
800 µg/ml

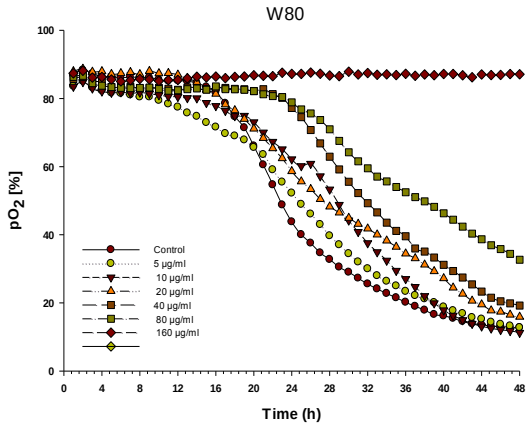

W75
pO2 [%]
Time (h)
Control
5 µg/ml
10 µg/ml
20 µg/ml
40 µg/ml
80 µg/ml
160 µg/ml

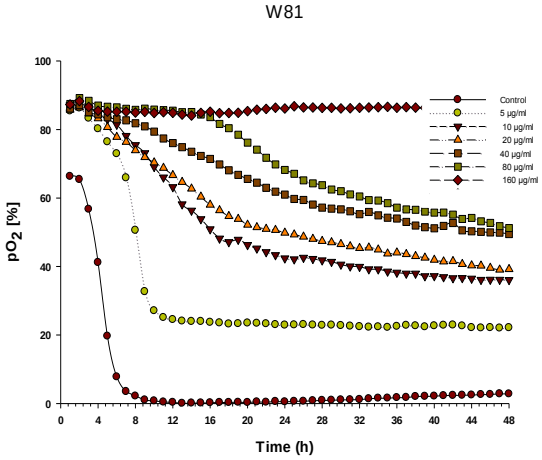

W76
pO2 [%]
Time (h)
Control
5 µg/ml
10 µg/ml
20 µg/ml
40 µg/ml
80 µg/ml
160 µg/ml
320 µg/ml

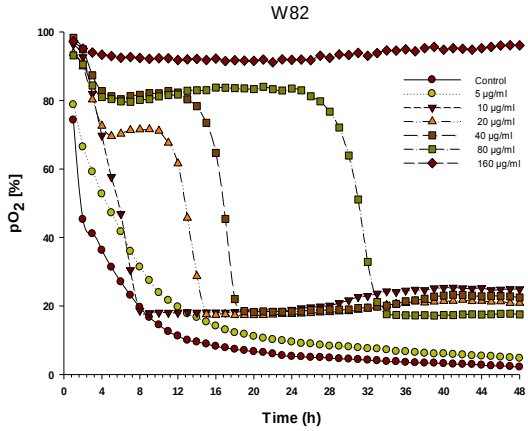

W77
pO2 [%]
Time (h)
Control
5 µg/ml
10 µg/ml
20 µg/ml
40 µg/ml
80 µg/ml
160 µg/ml

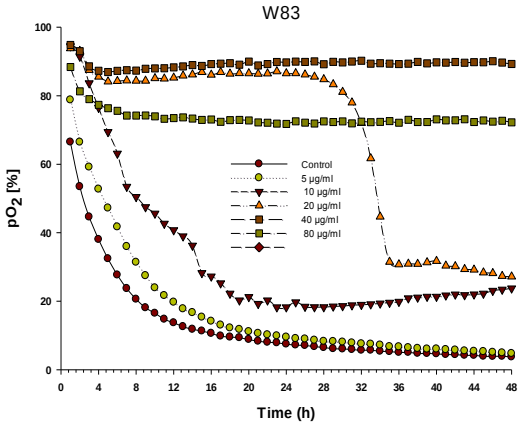

W78
pO2 [%]
Time (h)
Control
5 µg/ml
10 µg/ml
20 µg/ml
40 µg/ml
80 µg/ml
160 µg/ml

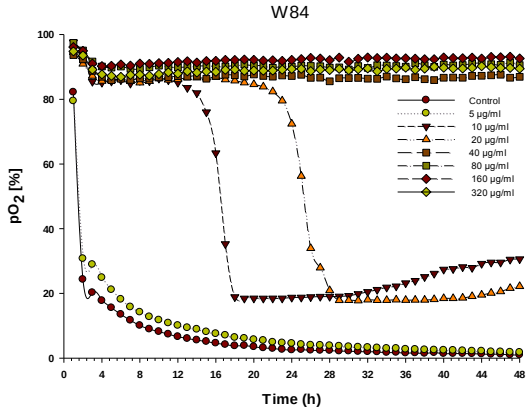

W79
pO2 [%]
Time (h)
Control
5 µg/ml
10 µg/ml
20 µg/ml
40 µg/ml
80 µg/ml
160 µg/ml

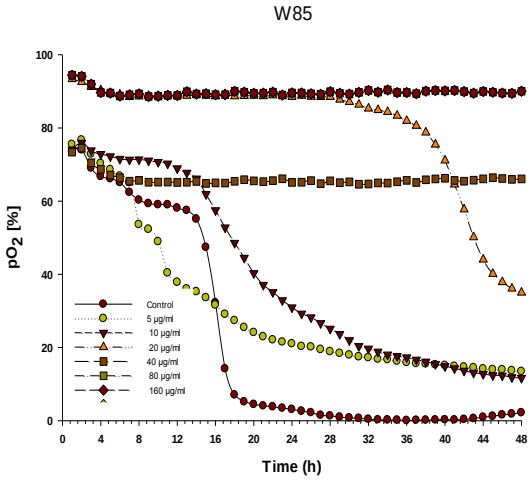

W80
pO2 [%]
Time (h)
Control
5 µg/ml
10 µg/ml
20 µg/ml
40 µg/ml
80 µg/ml
160 µg/ml

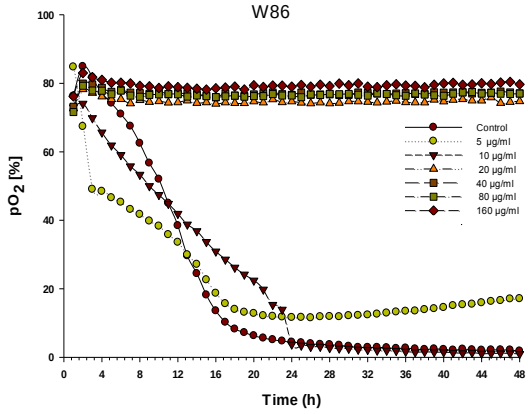

W81
pO2 [%]
Time (h)
Control
5 µg/ml
10 µg/ml
20 µg/ml
40 µg/ml
80 µg/ml
160 µg/ml

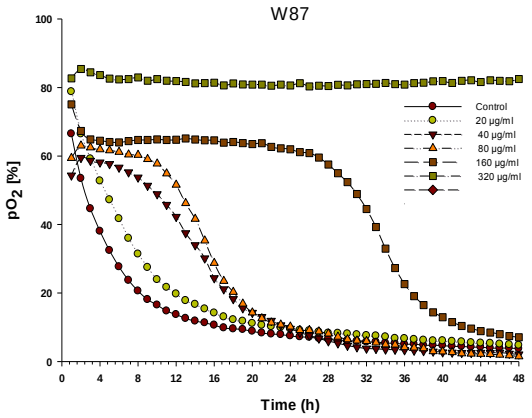

W82
pO2 [%]
Time (h)
Control
5 µg/ml
10 µg/ml
20 µg/ml
40 µg/ml
80 µg/ml
160 µg/ml

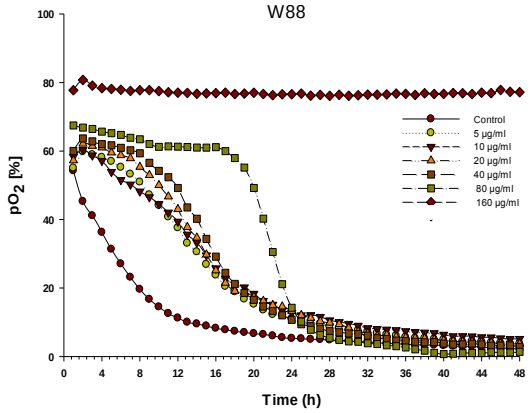

W83
pO2 [%]
Time (h)
Control
5 µg/ml
10 µg/ml
20 µg/ml
40 µg/ml
80 µg/ml

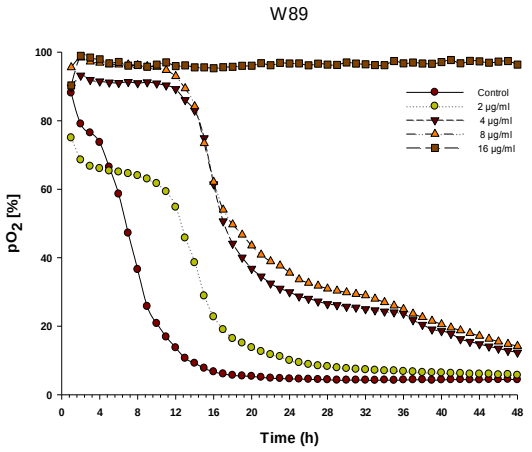

W84
pO2 [%]
Time (h)
Control
5 µg/ml
10 µg/ml
20 µg/ml
40 µg/ml
80 µg/ml
160 µg/ml
320 µg/ml

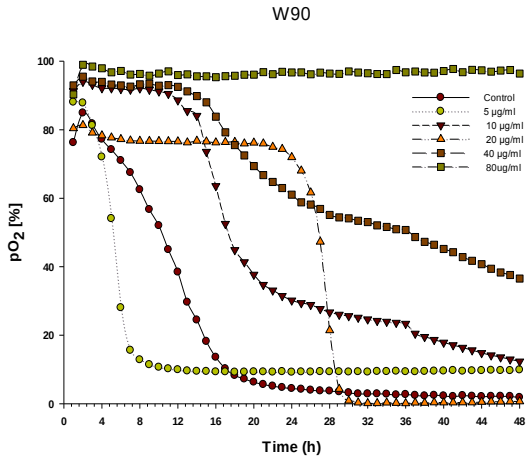

W85
pO2 [%]
Time (h)
Control
5 µg/ml
10 µg/ml
20 µg/ml
40 µg/ml
80 µg/ml
160 µg/ml

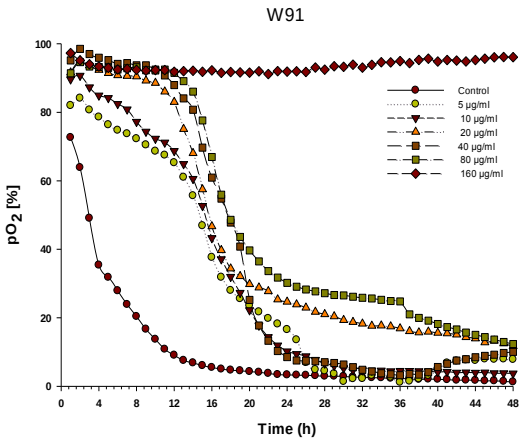

W86
pO2 [%]
Time (h)
Control
5 µg/ml
10 µg/ml
20 µg/ml
40 µg/ml
80 µg/ml
160 µg/ml

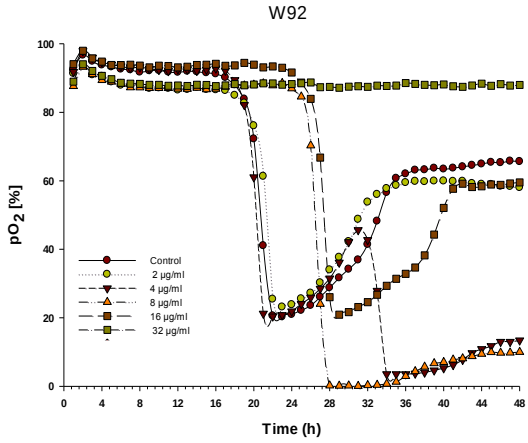

W87
pO2 [%]
Time (h)
Control
20 µg/ml
40 µg/ml
80 µg/ml
160 µg/ml
320 µg/ml

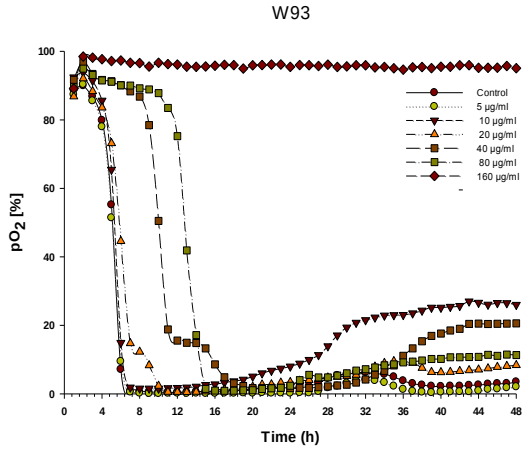

W88
pO2 [%]
Time (h)
Control
5 µg/ml
10 µg/ml
20 µg/ml
40 µg/ml
80 µg/ml
160 µg/ml

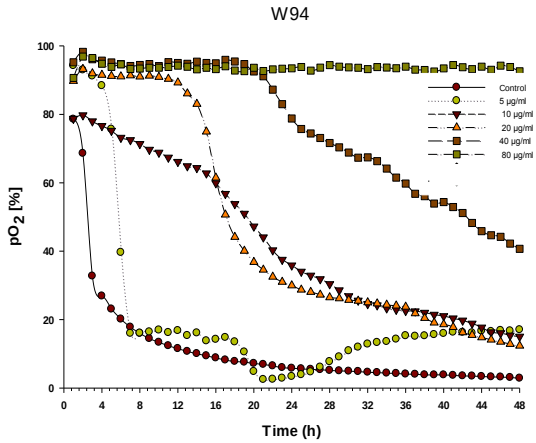

W89
pO2 [%]
Time (h)
Control
2 µg/ml
4 µg/ml
8 µg/ml
16 µg/ml

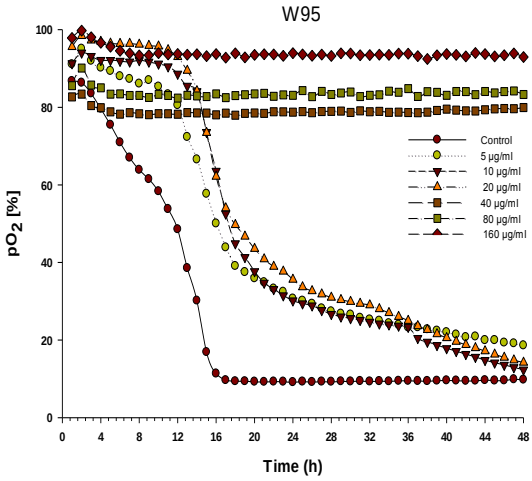

W90
pO2 [%]
Time (h)
Control
5 µg/ml
10 µg/ml
20 µg/ml
40 µg/ml
80ug/ml


W91
pO2 [%]
Time (h)
Control
5 µg/ml
10 µg/ml
20 µg/ml
40 µg/ml
80 µg/ml
160 µg/ml


W92
pO2 [%]
Time (h)
Control
2 µg/ml
4 µg/ml
8 µg/ml
16 µg/ml
32 µg/ml


W93
pO2 [%]
Time (h)
Control
5 µg/ml
10 µg/ml
20 µg/ml
40 µg/ml
80 µg/ml
160 µg/ml


W94
pO2 [%]
Time (h)
Control
5 µg/ml
10 µg/ml
20 µg/ml
40 µg/ml
80 µg/ml


W95
pO2 [%]
Time (h)
Control
5 µg/ml
10 µg/ml
20 µg/ml
40 µg/ml
80 µg/ml
160 µg/ml

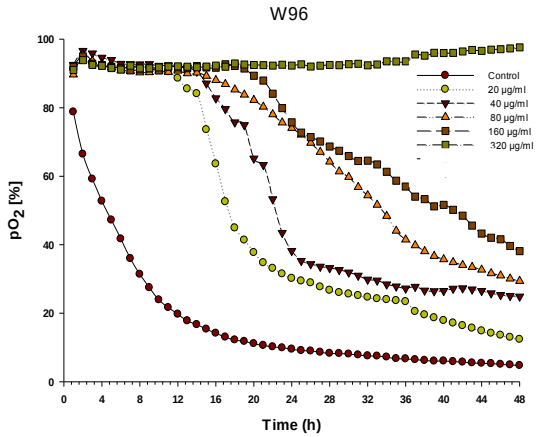

W96
pO2 [%]
Time (h)
Control
20 µg/ml
40 µg/ml
80 µg/ml
160 µg/ml
320 µg/ml

Figure 7.1. Oxygen consumption of isolated *Streptomyces* strains (W1-W96) grown on MHB medium treatment with different concentrations of penicillin G in the 96-well plate OxoPlate system). PO2 is the dissolved oxygen concentration given as % air saturation over 48 h incubation.