

SUPPORTING INFORMATION

**Tailoring of novel biologically active molecules based on
*N*⁴-substituted sulfonamides bearing thiazole moiety
exhibiting unique multi-addressable biological
potentials**

Data analysis of
synthesized
sulfonamides on WI-38
normal cell line

Plate no. 1

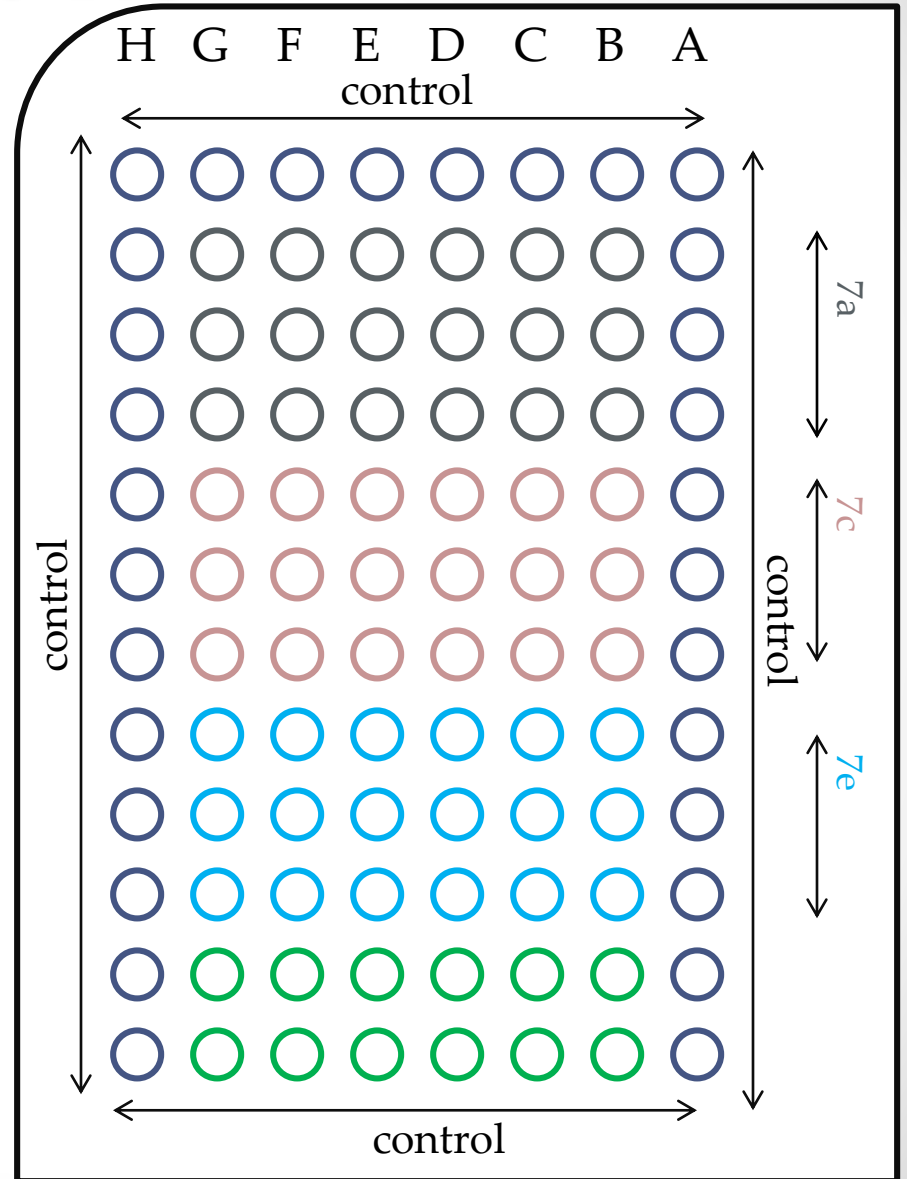
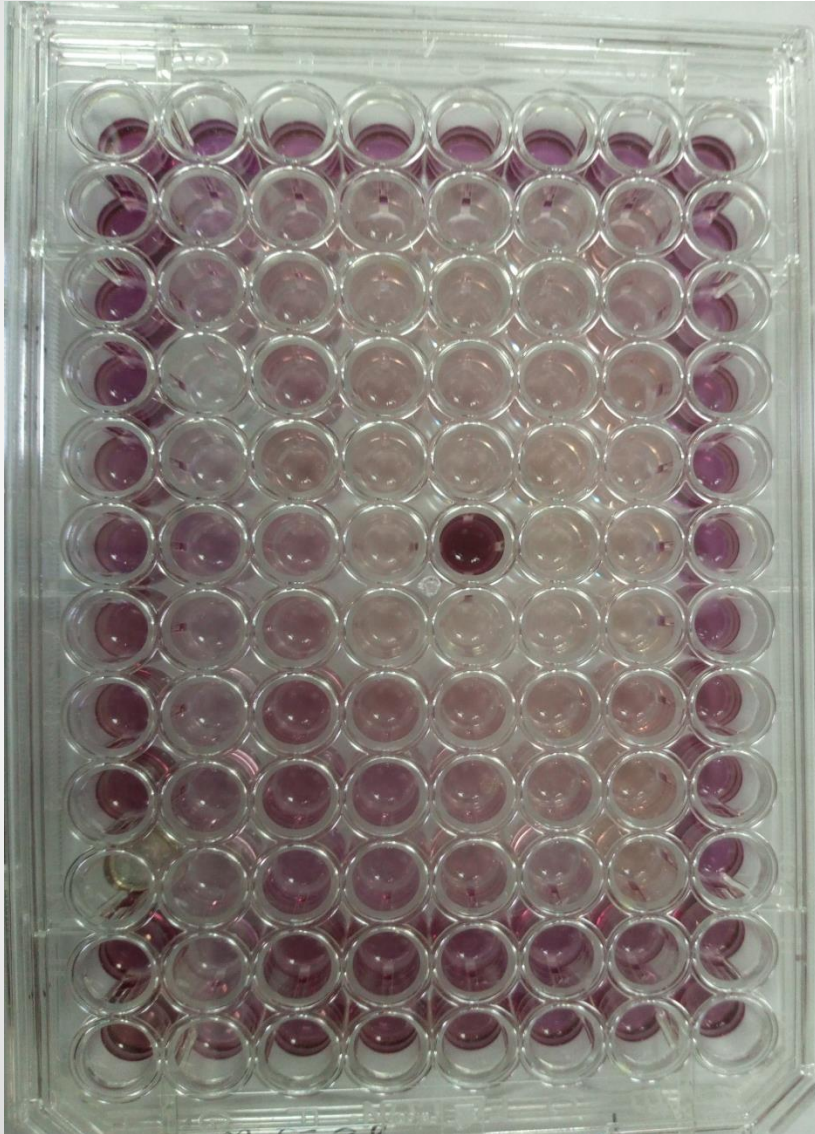


Fig. 1

Data analysis for plate No.1

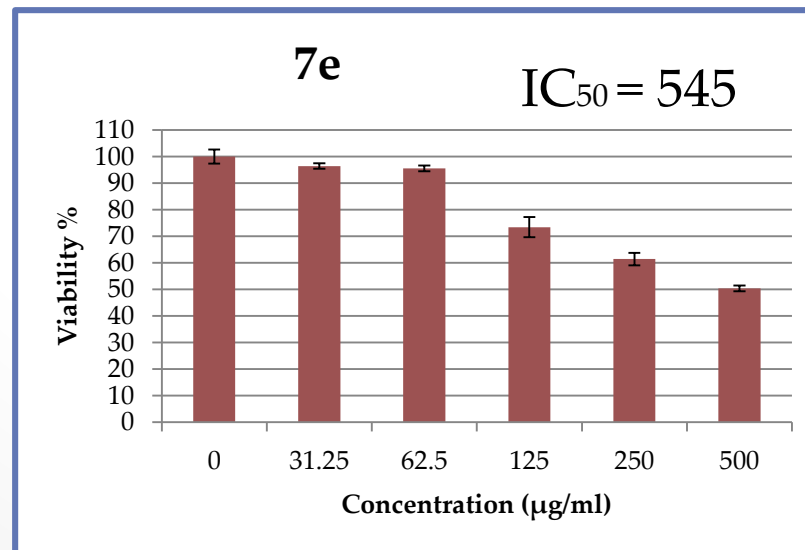
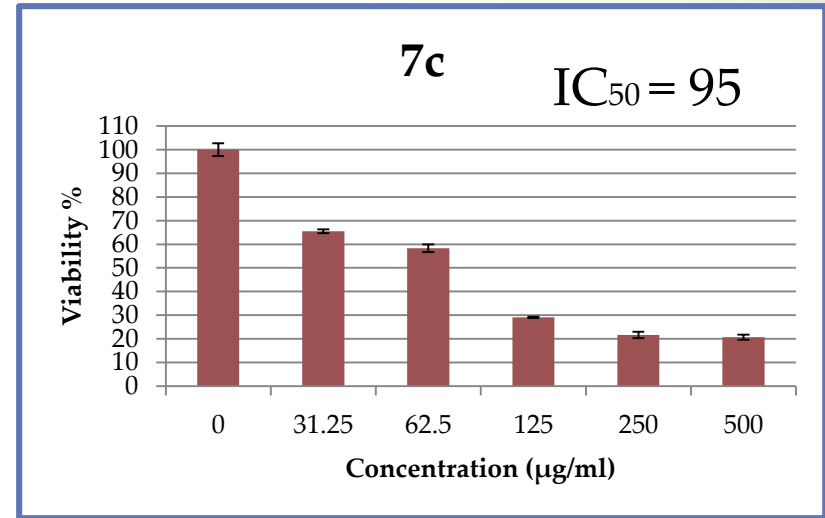
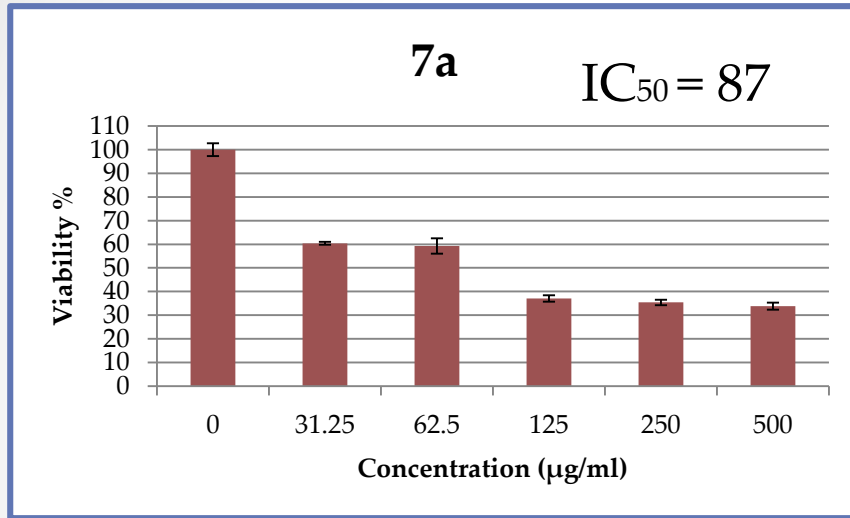


Plate no. 2

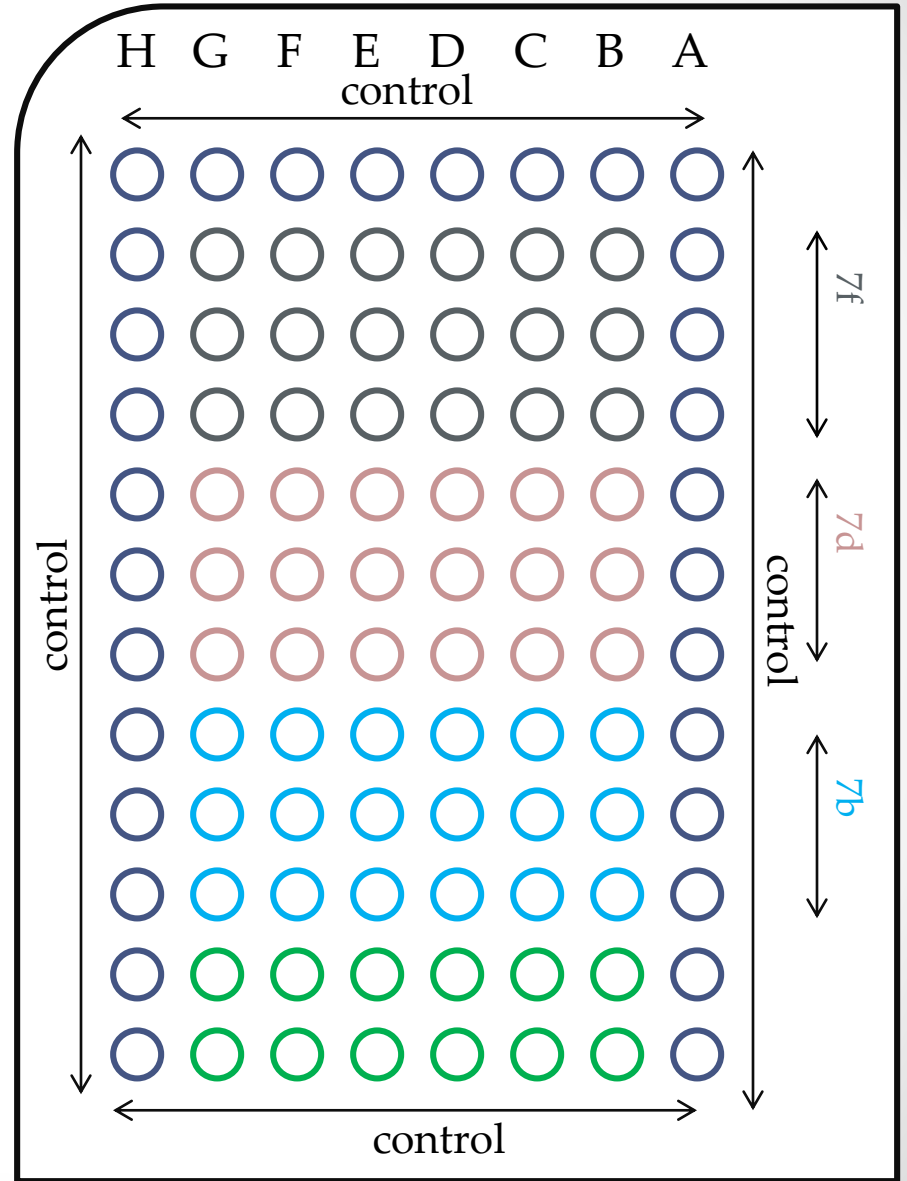
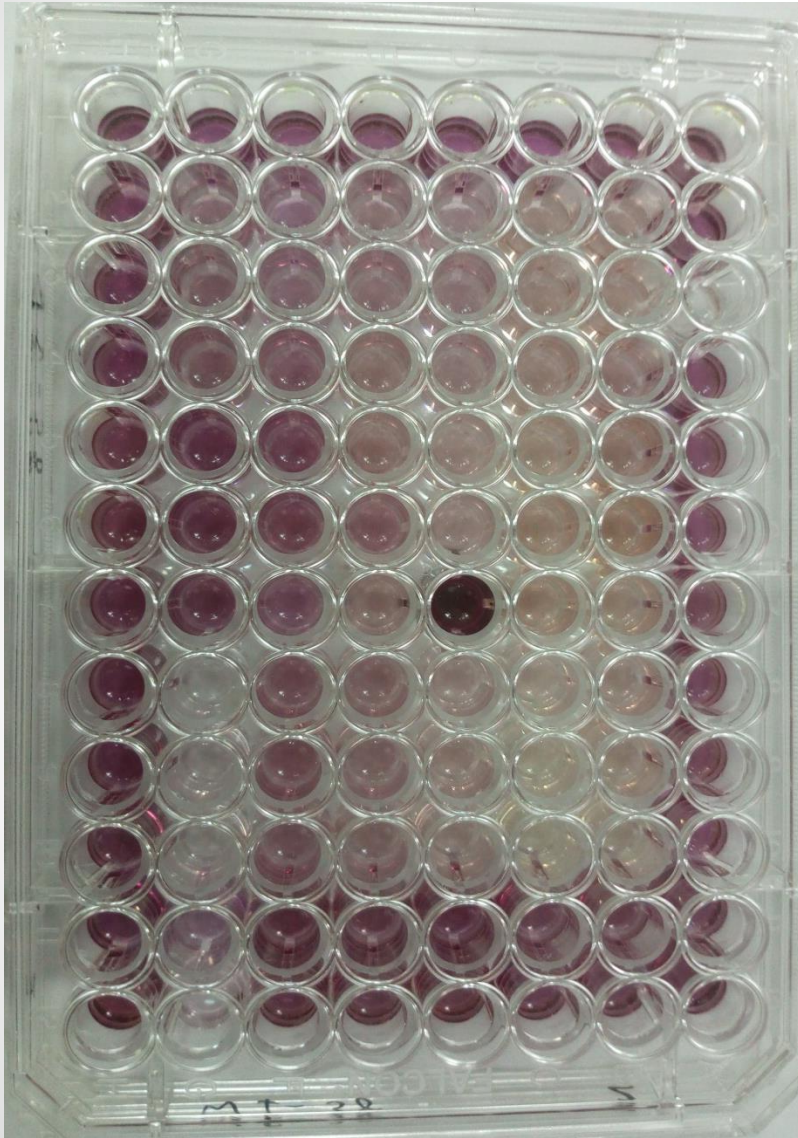
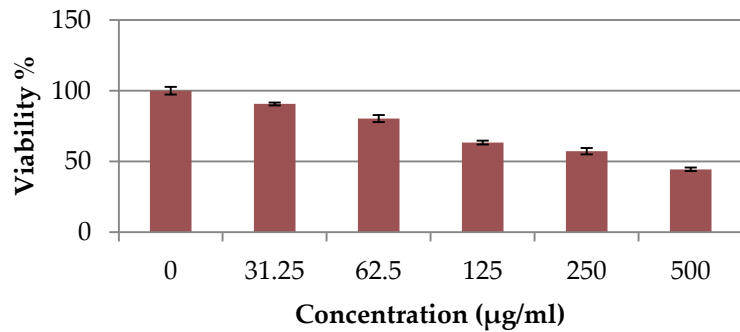


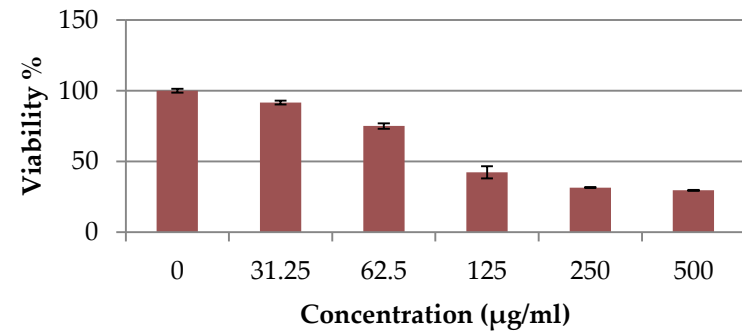
Fig.2

Data analysis for plate No.2

7f $IC_{50} = 382.3$



7d $IC_{50} = 106$



7b $IC_{50} = 162$

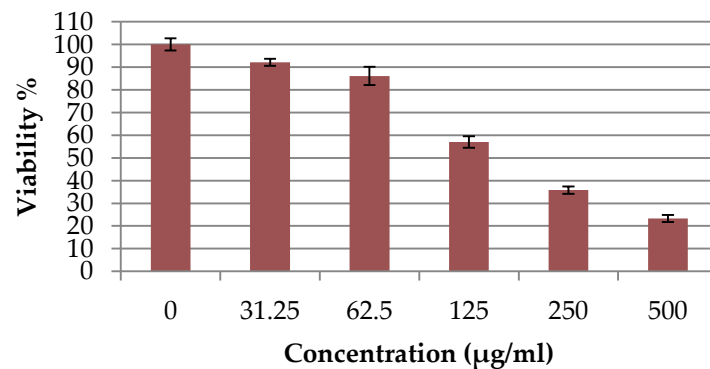


Plate no. 3

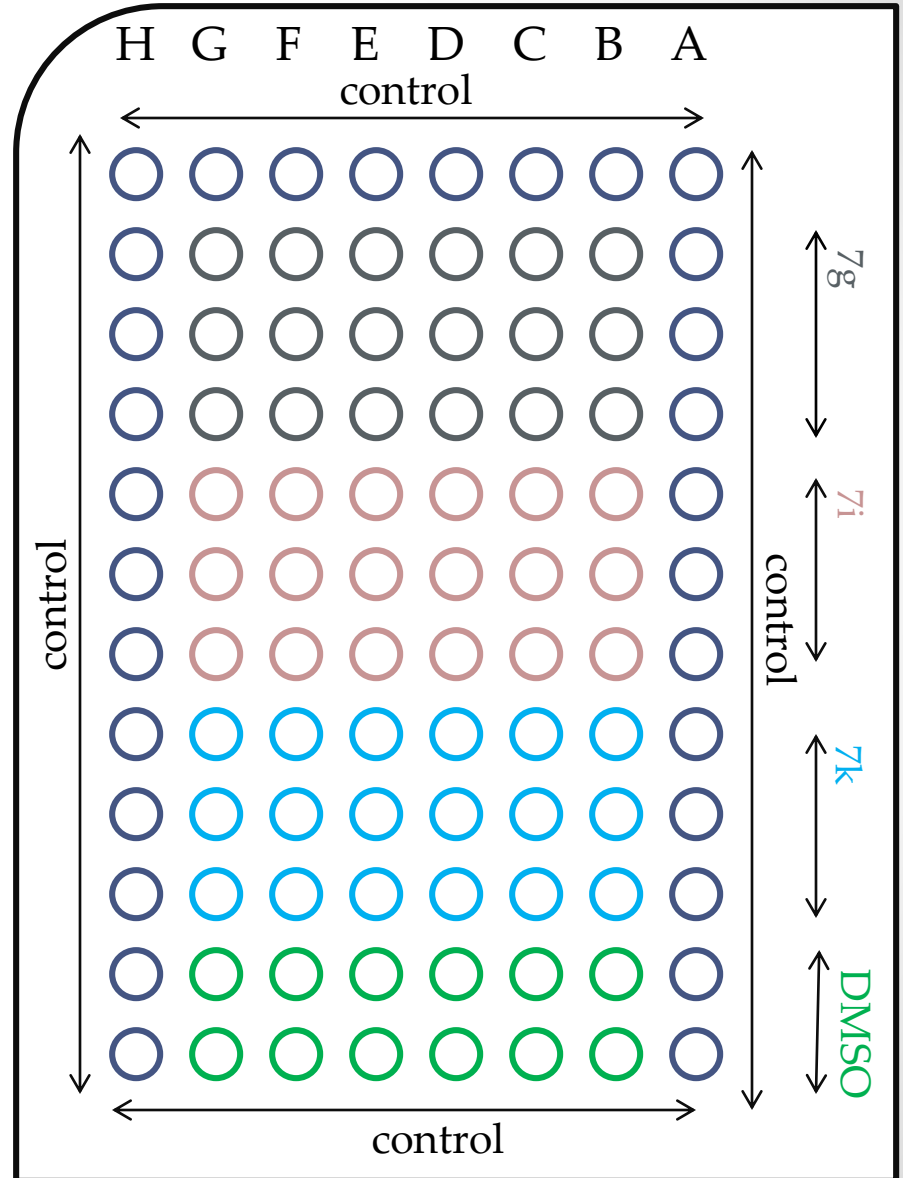
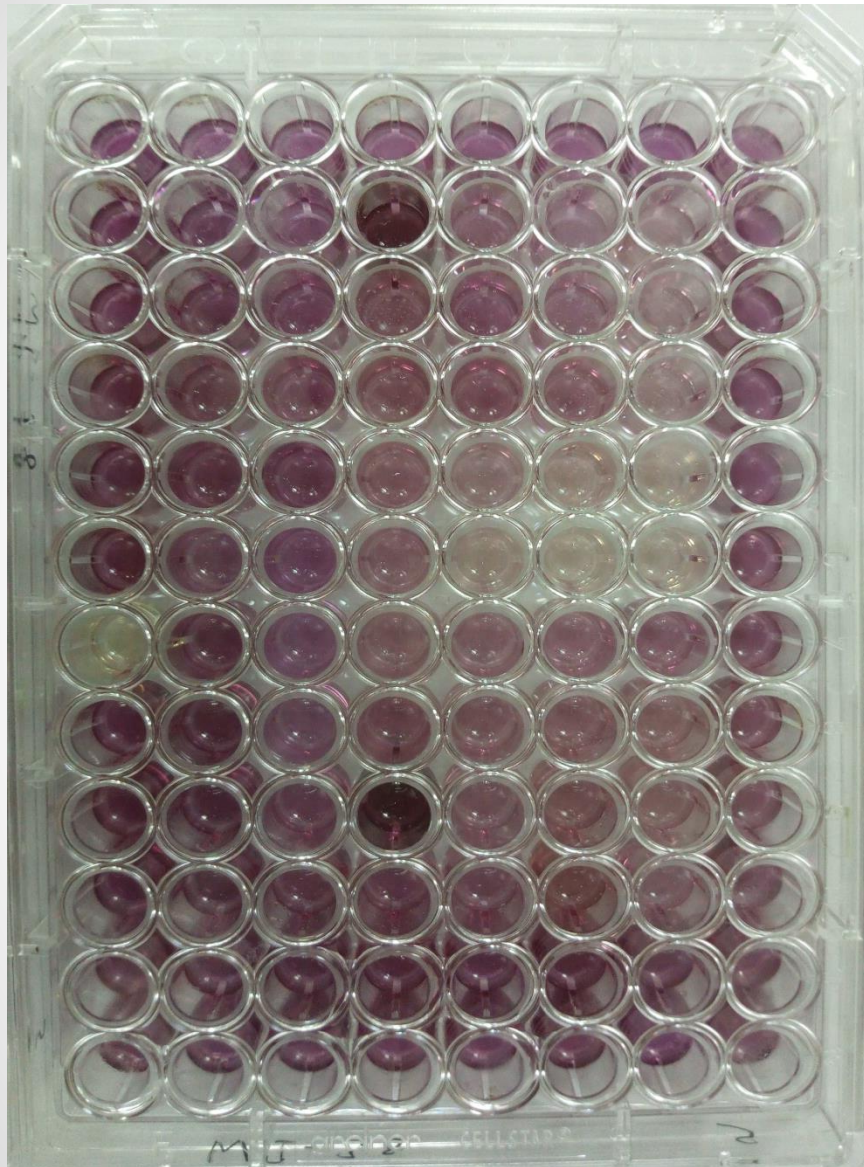
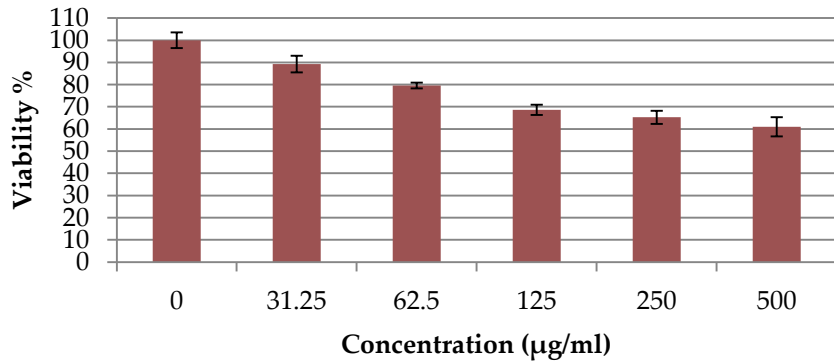


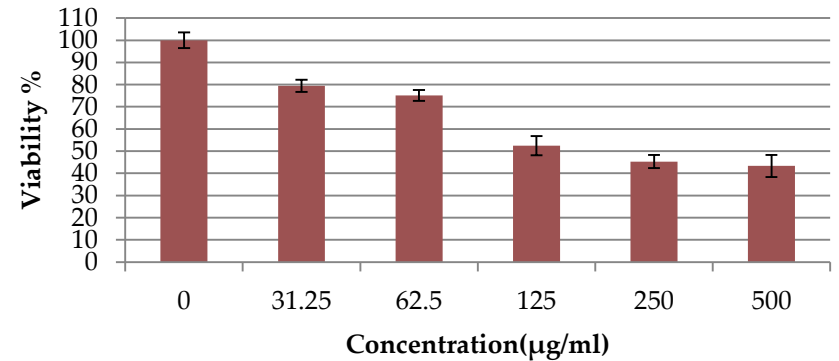
Fig. 3

Data analysis for plate No. 3

7g $IC_{50} = 572.5$



7i $IC_{50} = 166$



7k $IC_{50} = 596$

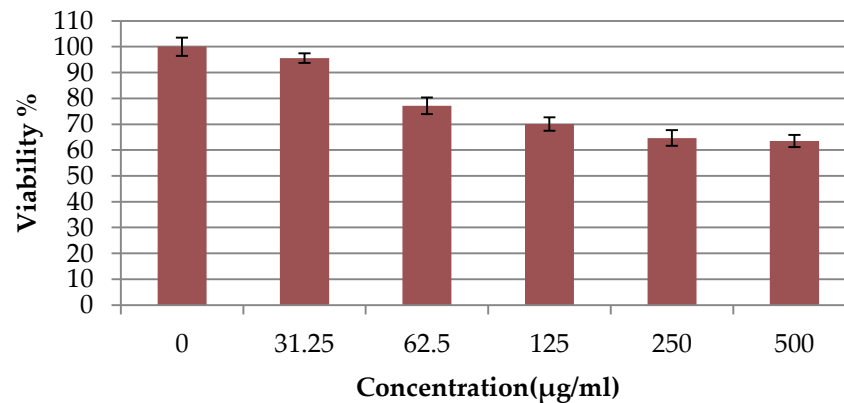


Plate no. 4

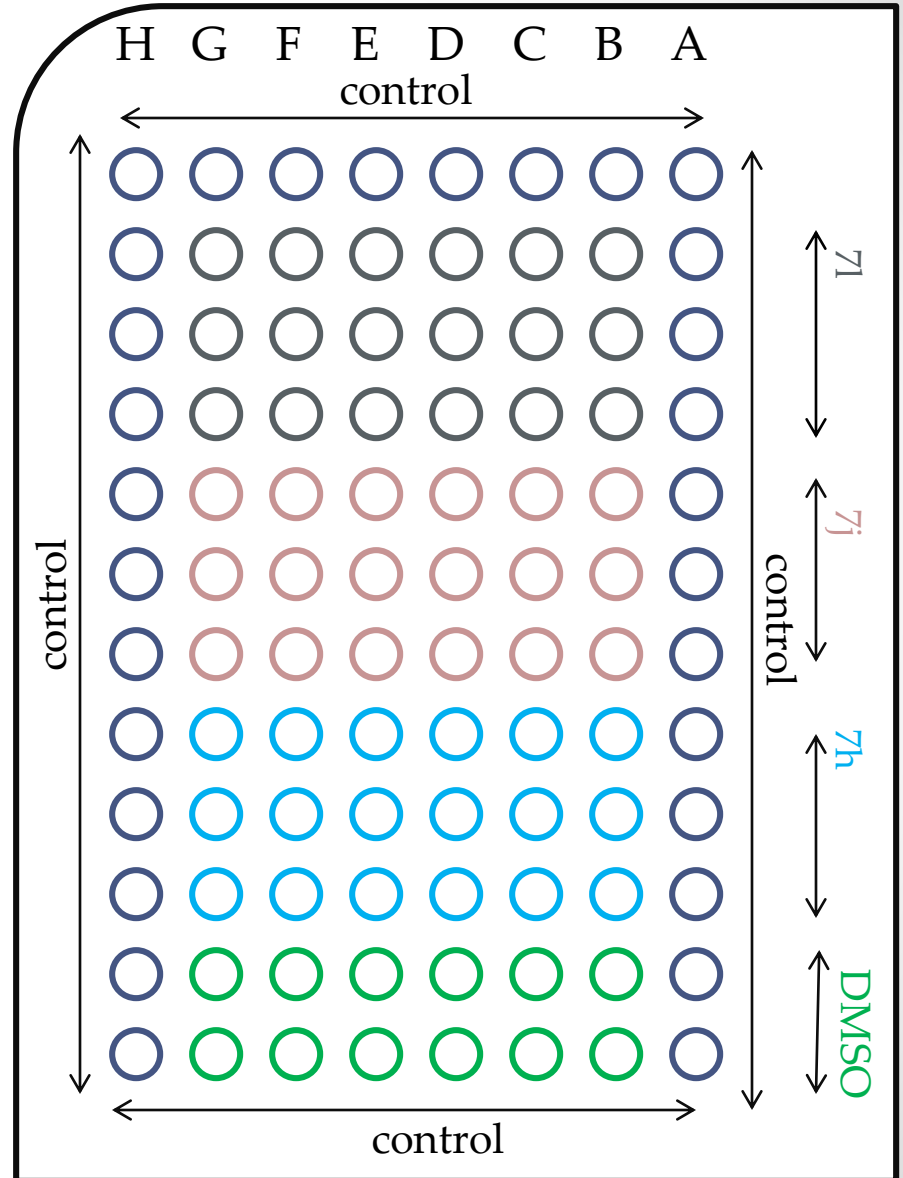
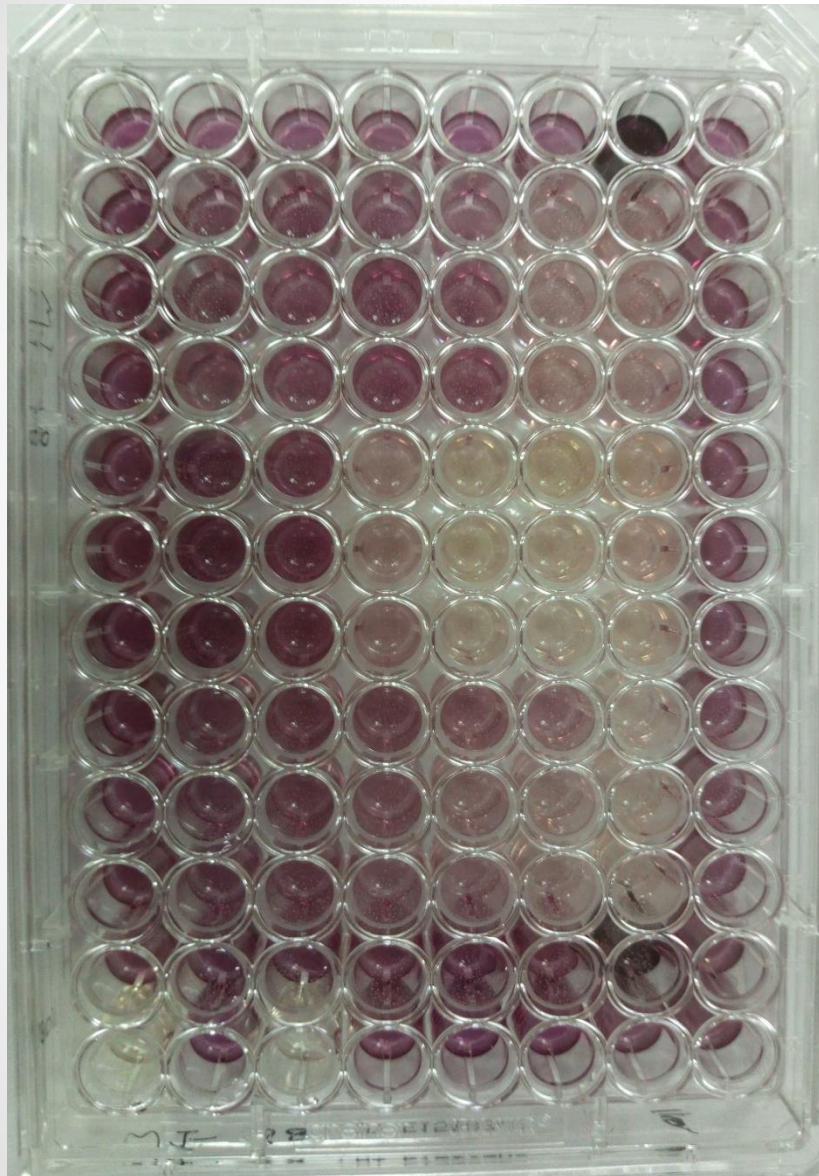
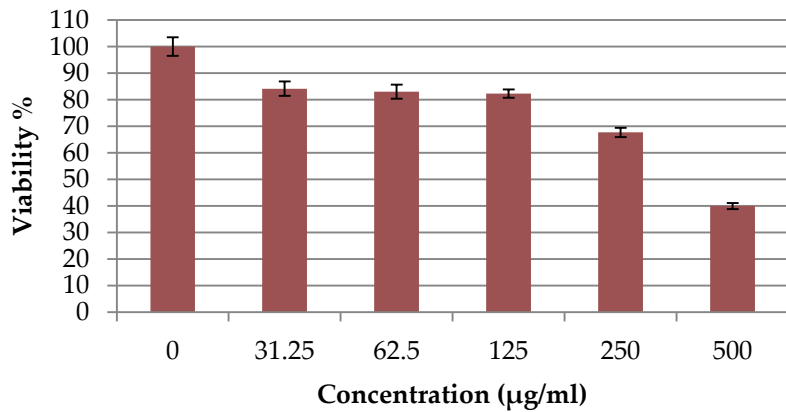


Fig. 4

Data analysis for plate No. 4

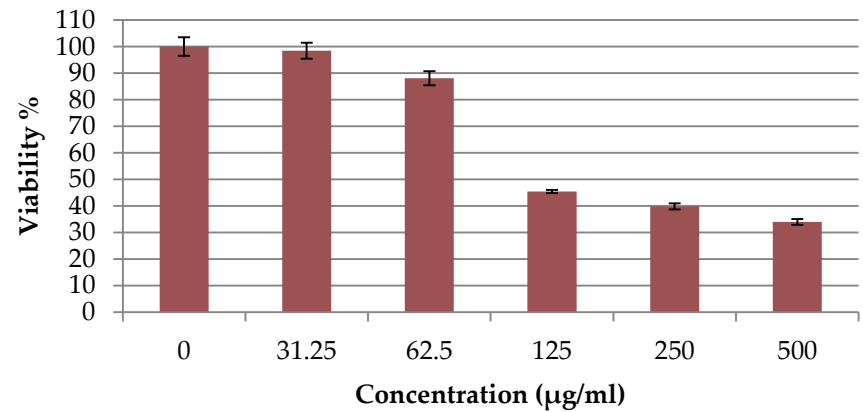
7i

IC₅₀ = 407.3



7j

IC₅₀ = 109



7h

IC₅₀ = 229

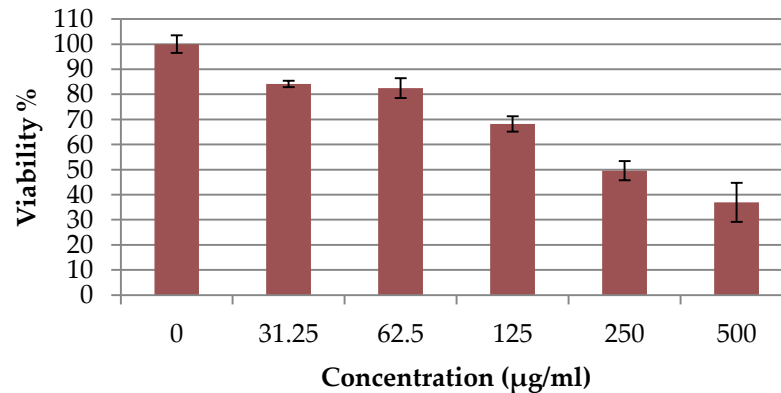


Plate no. 5

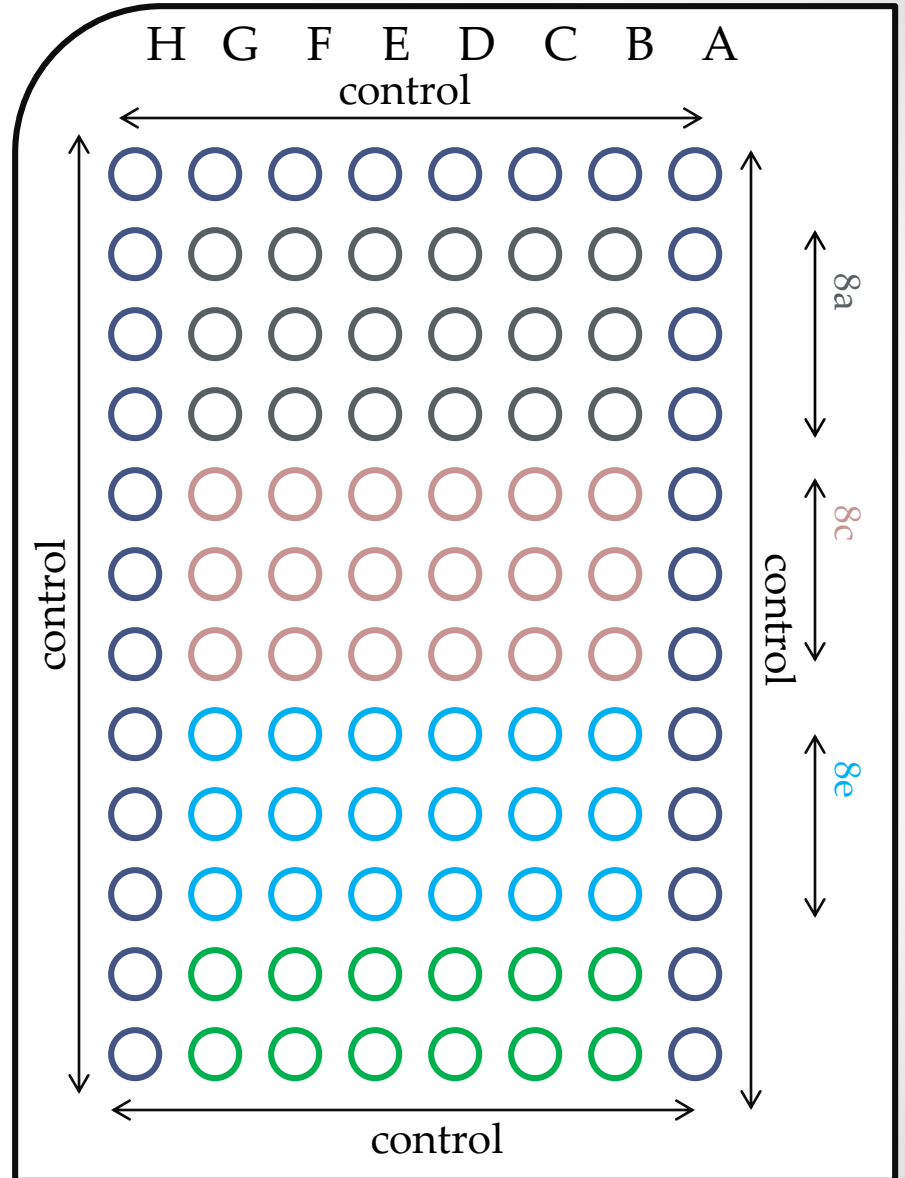
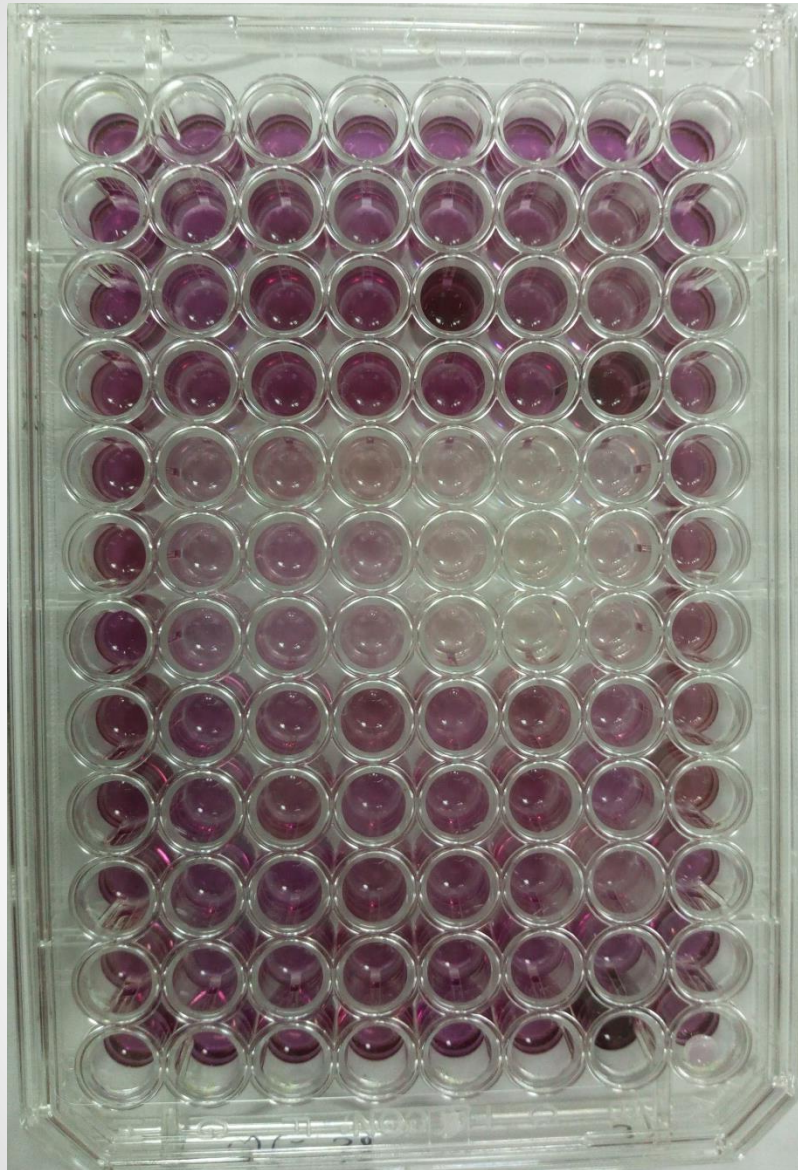


Fig. 5

Data analysis for plate No. 5

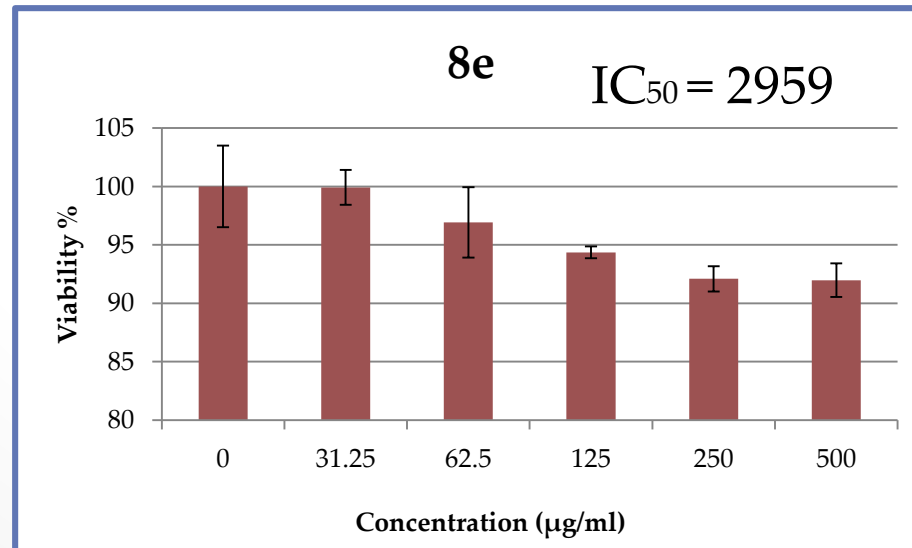
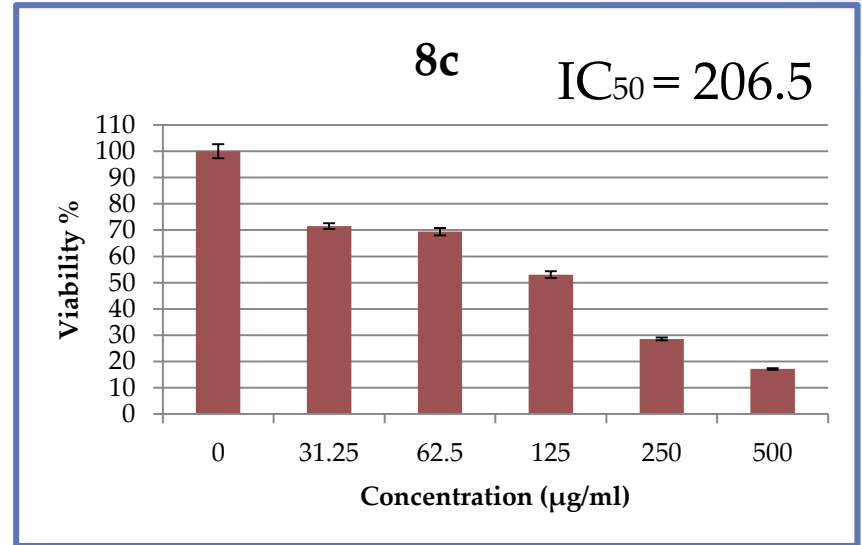
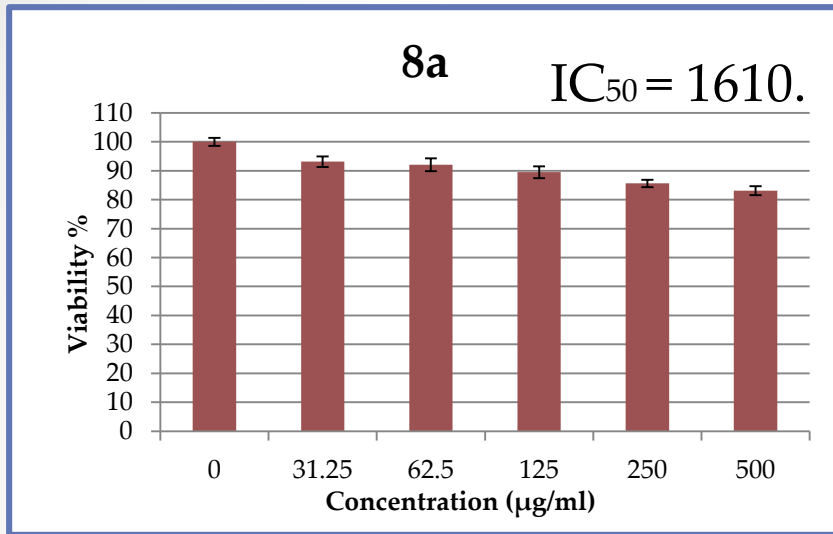


Plate no. 6

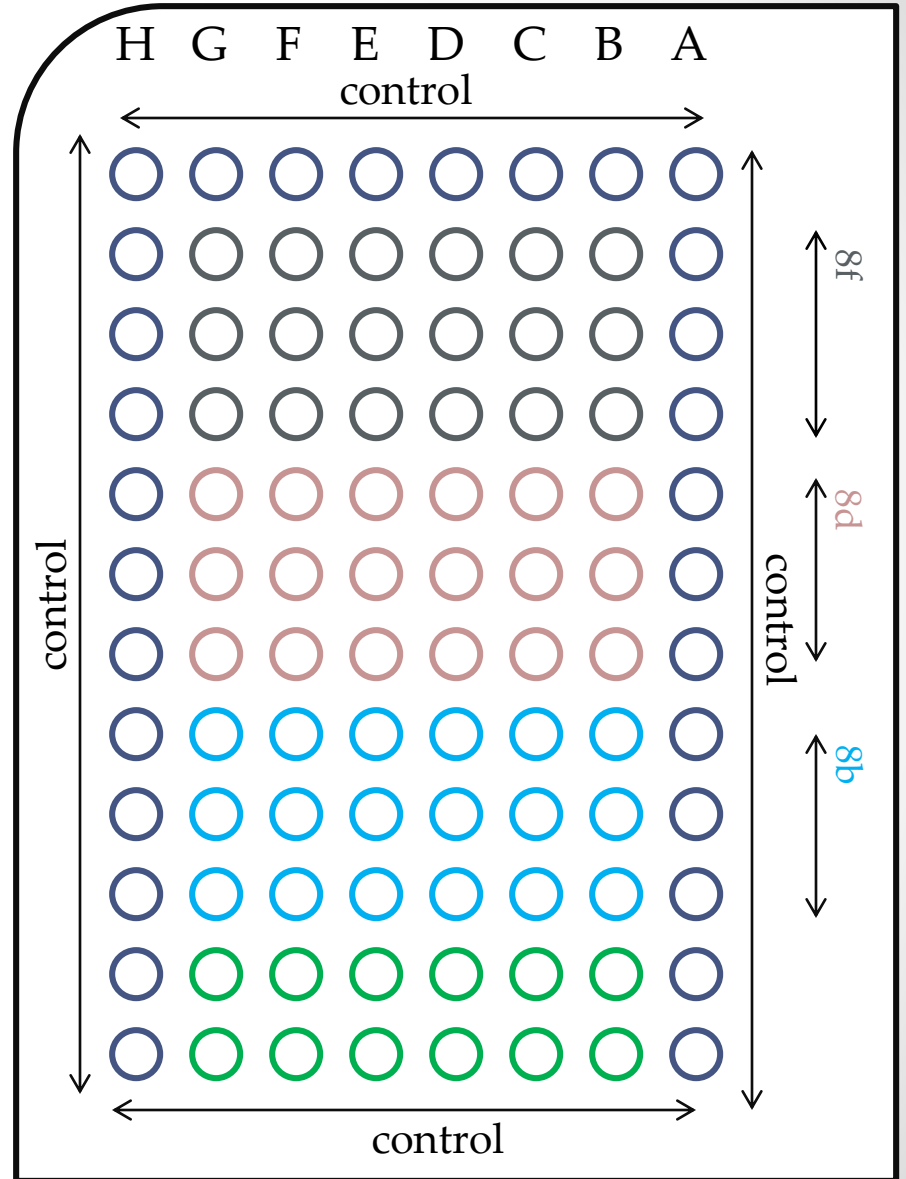
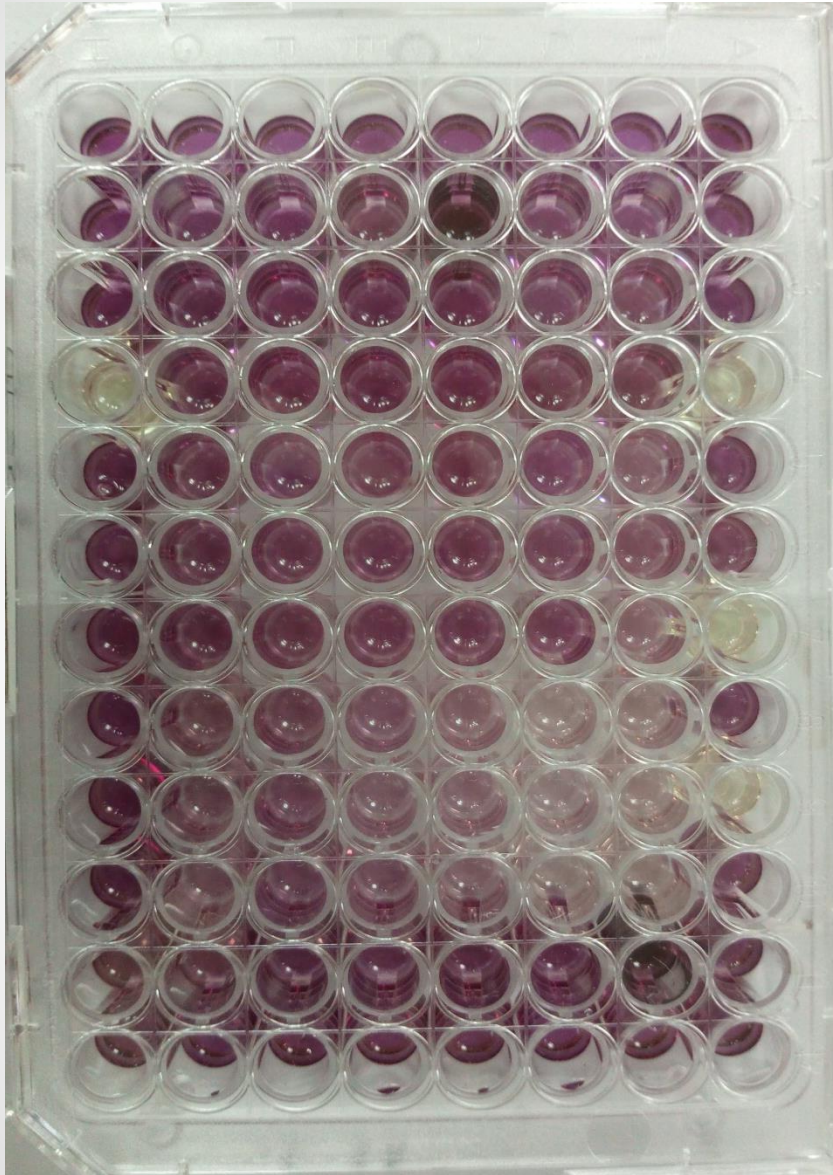


Fig. 6

Data analysis for plate No. 6

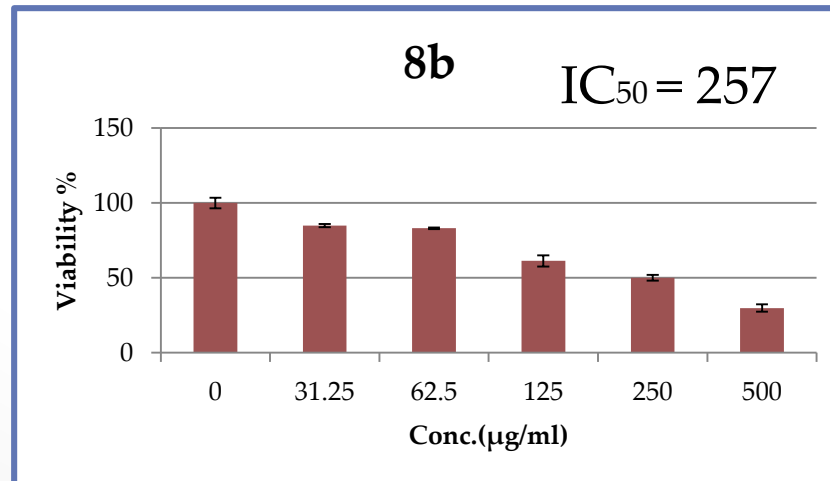
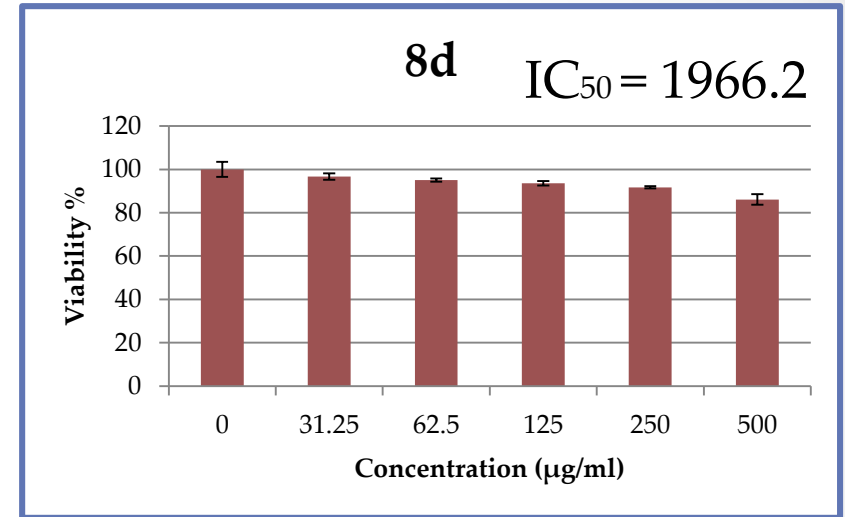
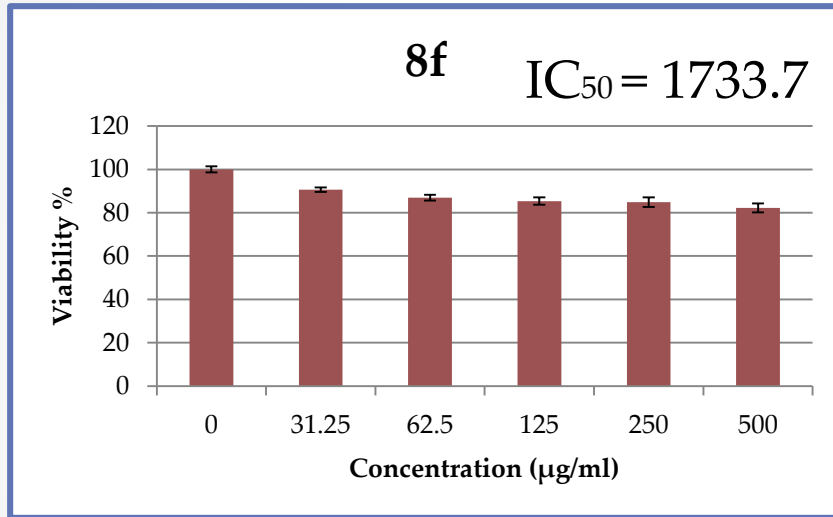


Plate no. 7

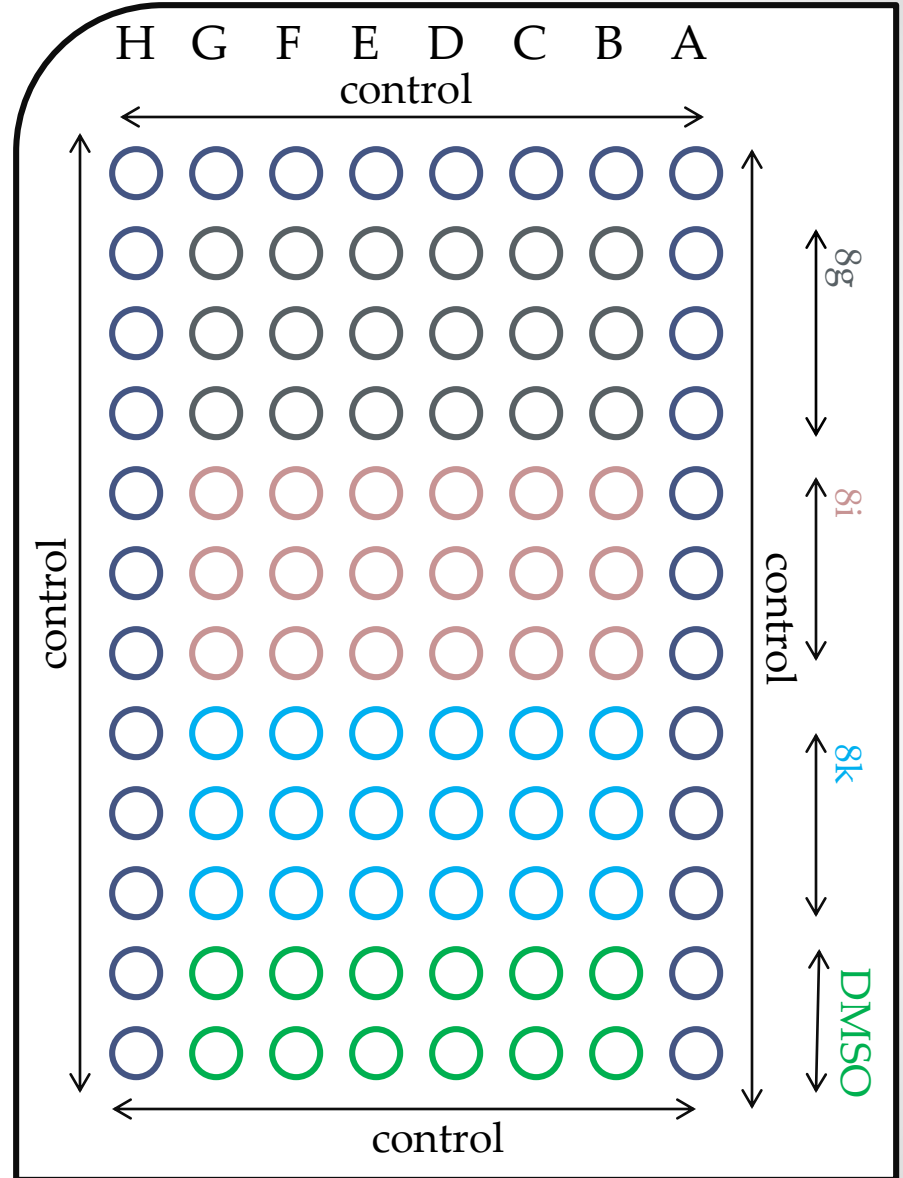
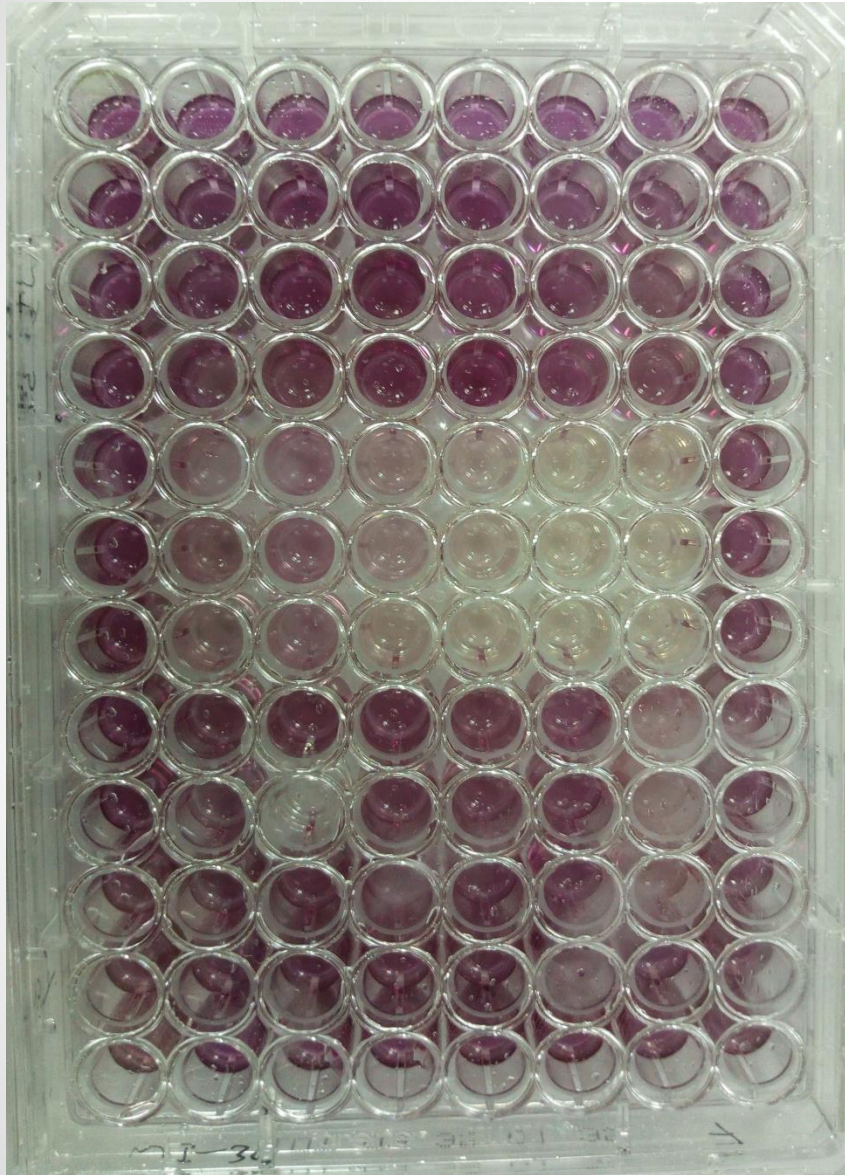
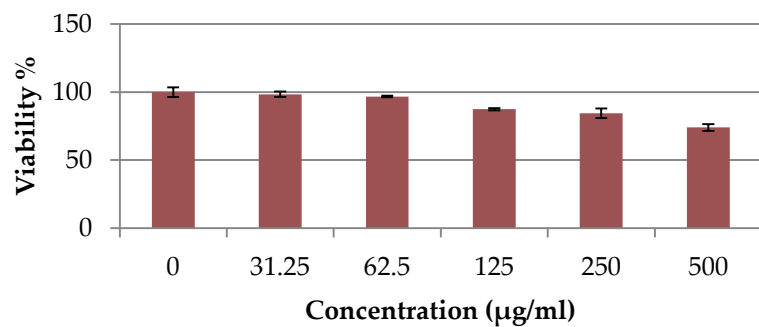


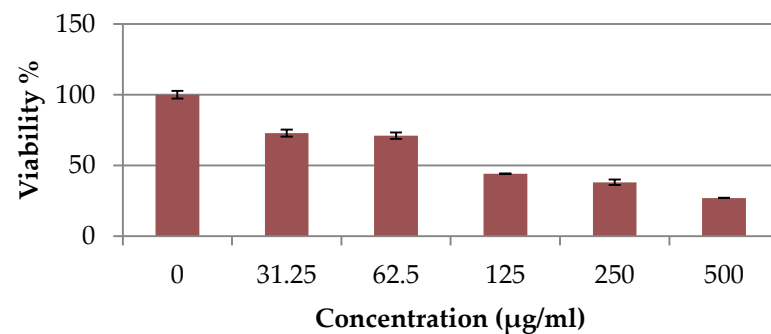
Fig. 7

Data analysis for plate No.7

8g $IC_{50} = 933.4$



8i $IC_{50} = 103$



8k $IC_{50} = 1001.1$

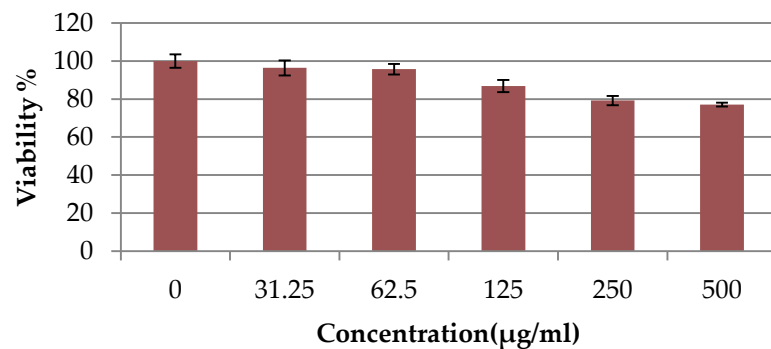


Plate no. 8

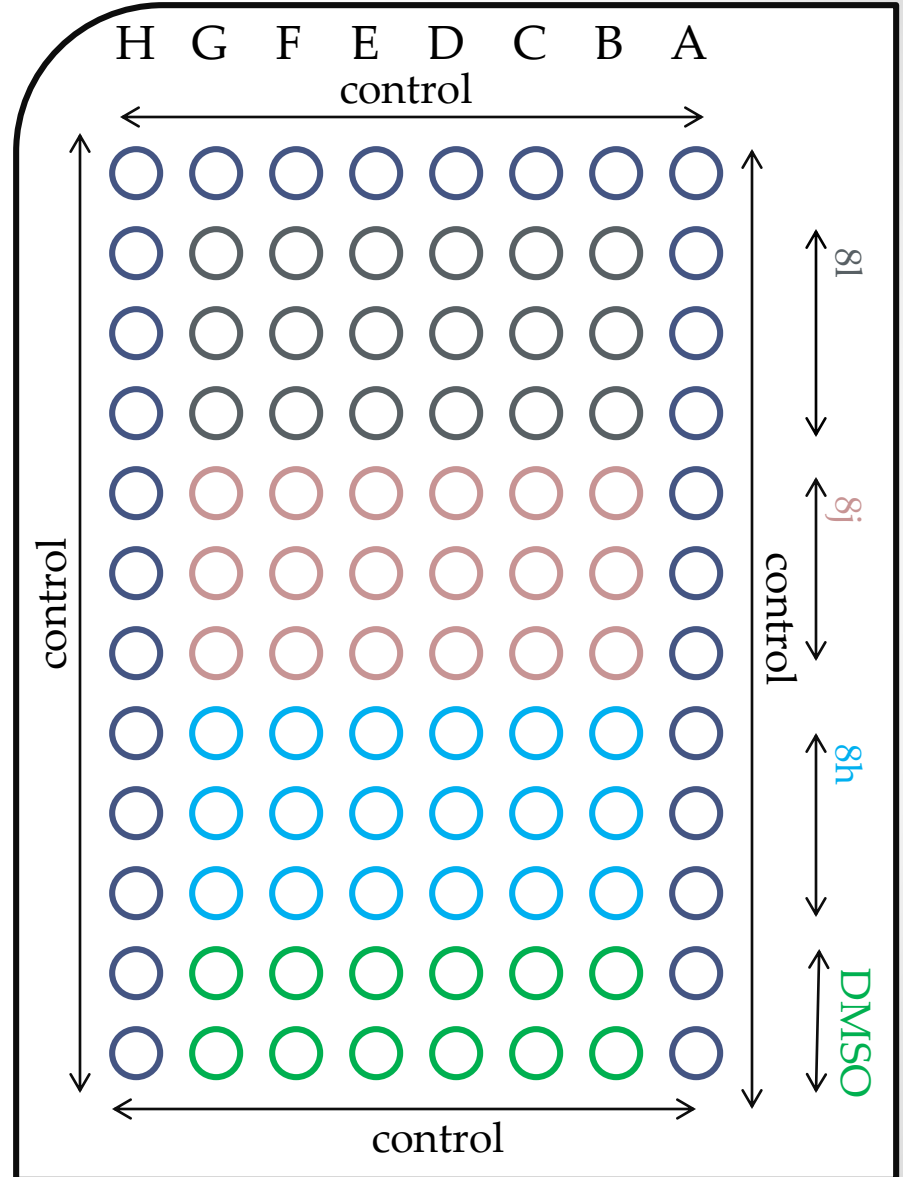
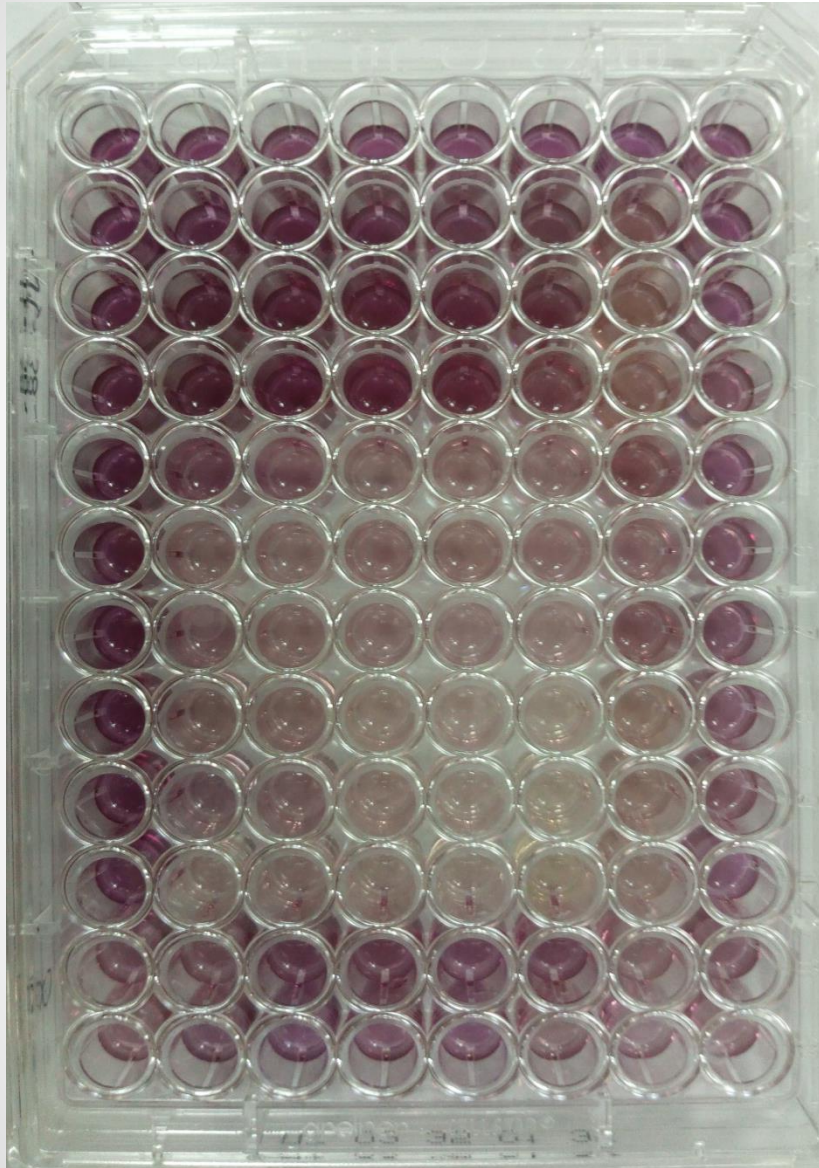
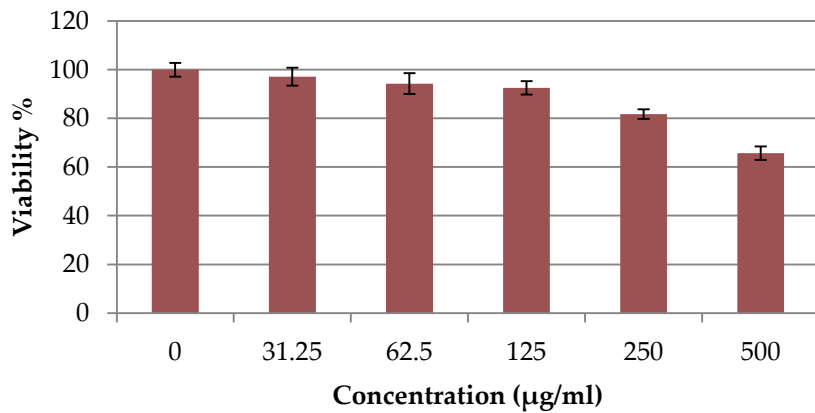


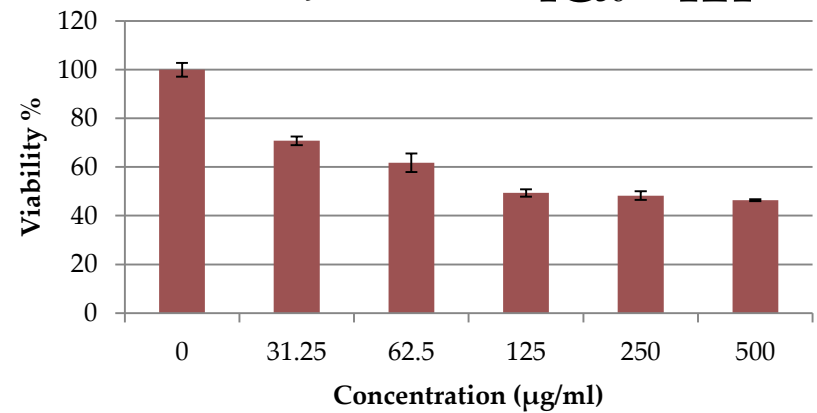
Fig. 8

Data analysis for plate No.8

8i $IC_{50} = 729$



8j $IC_{50} = 121$



8h $IC_{50} = 79$

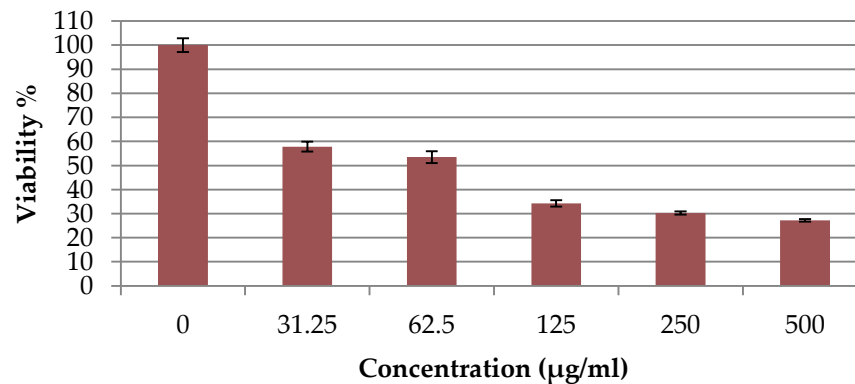


Plate no. 9

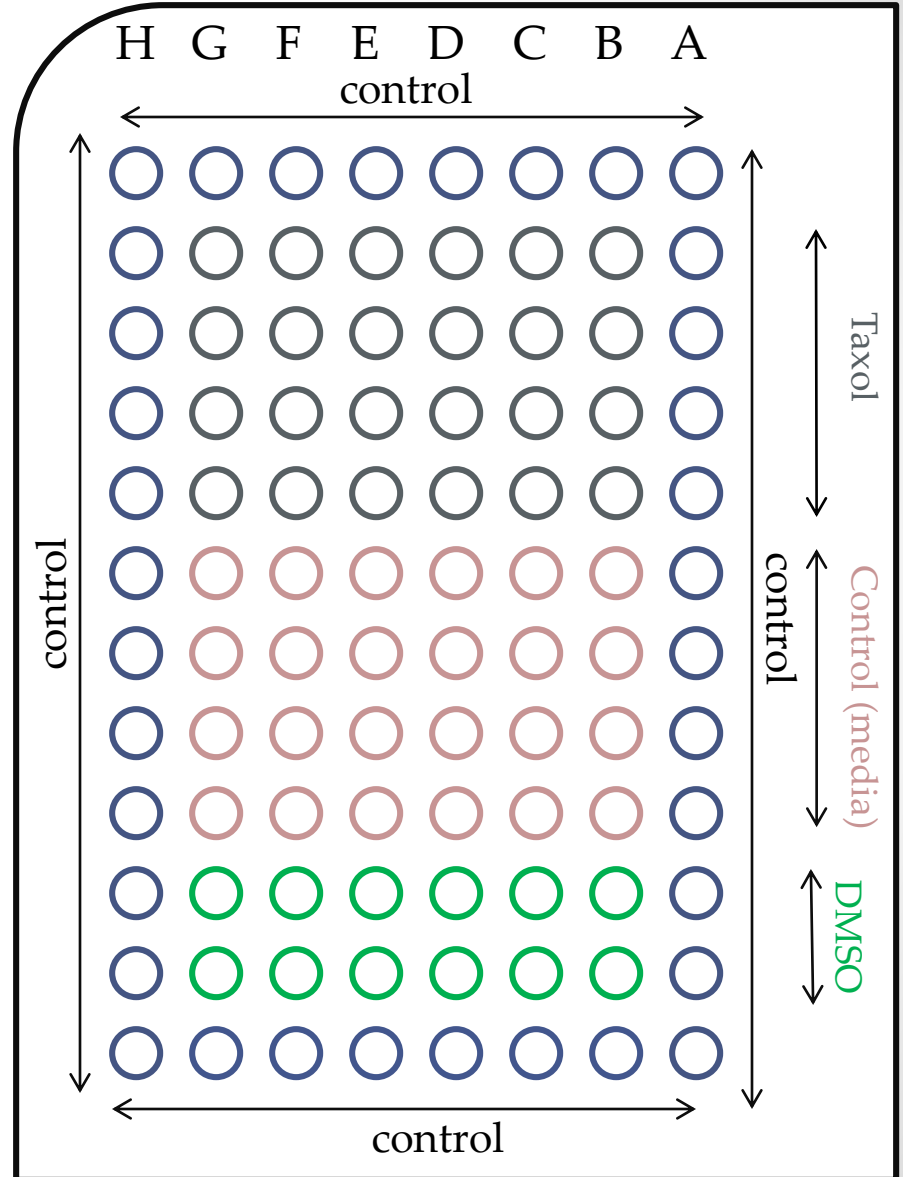
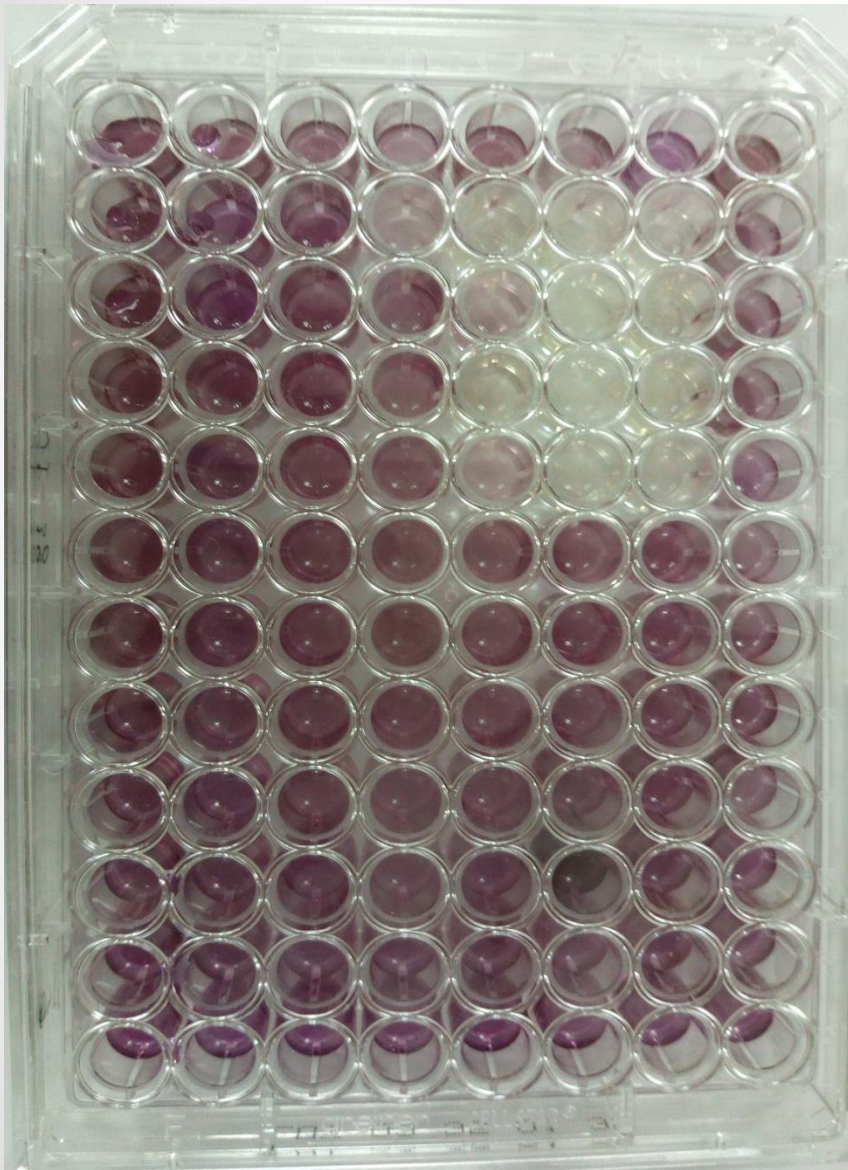
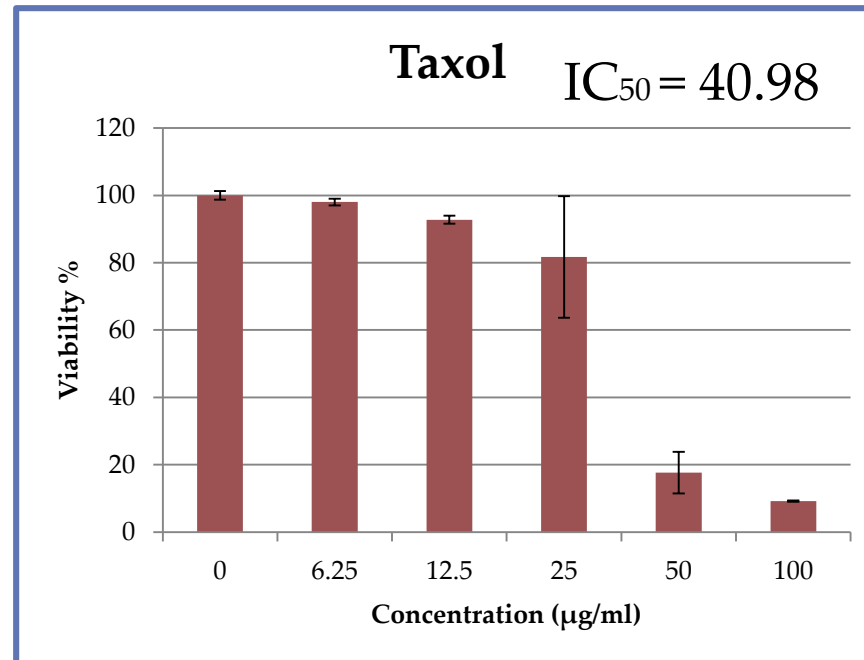


Fig. 9

Data analysis for plate no. 9



Data analysis of
synthesized
sulfonamides on A549
lung cancer cell line

Plate no. 1

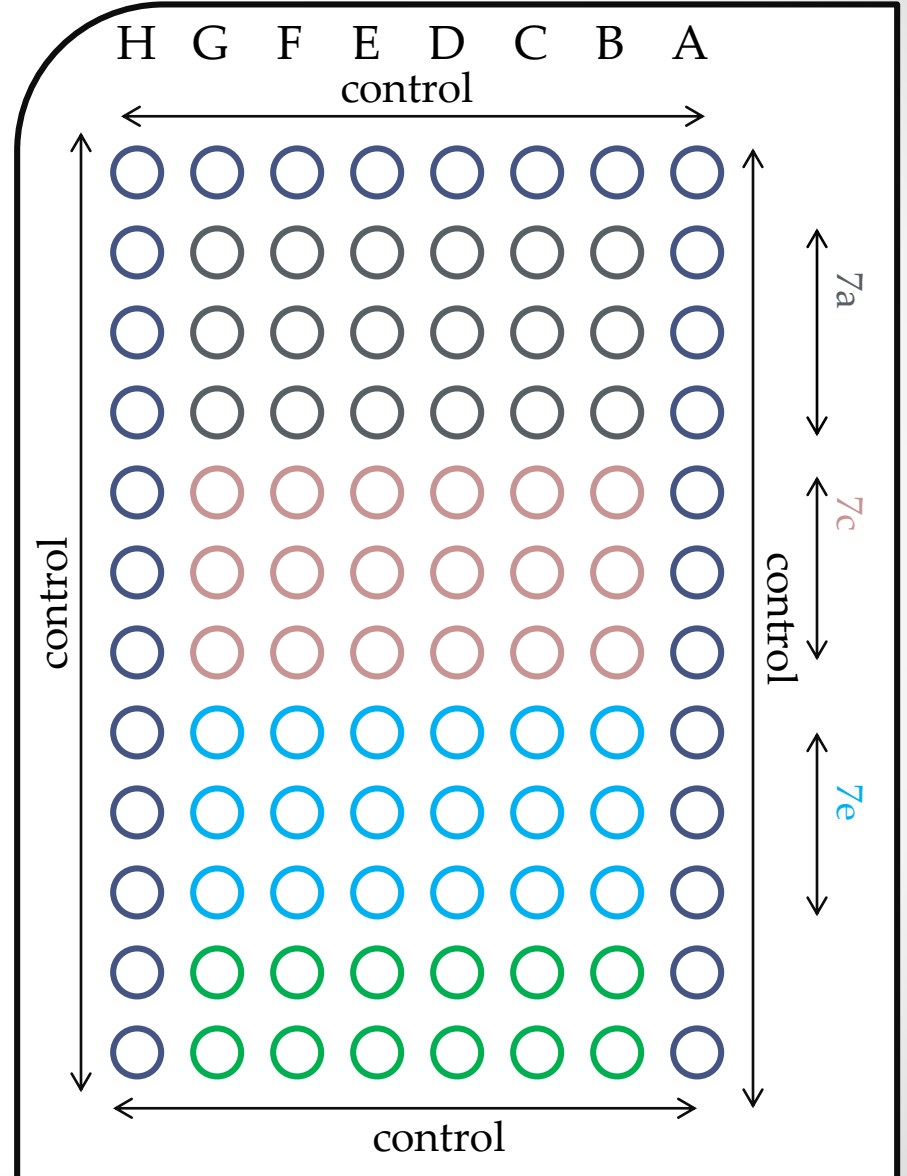
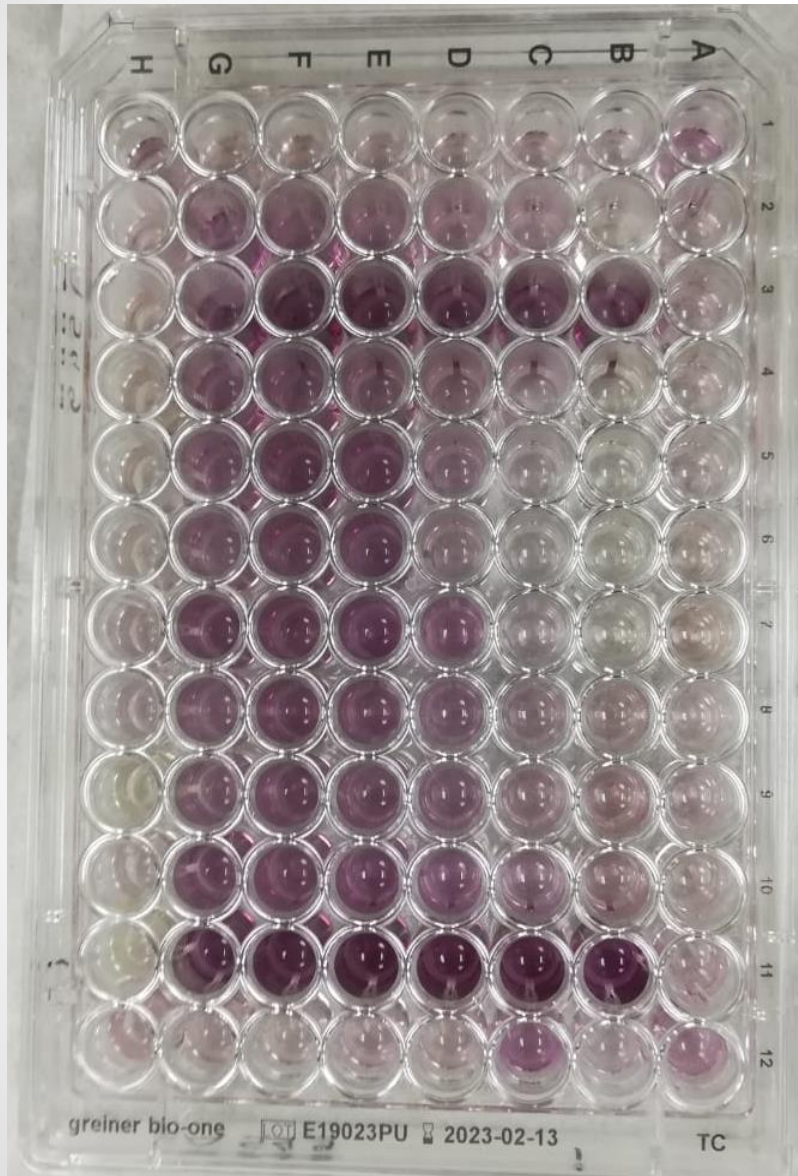


Fig. 1

Data analysis for Plate No.1

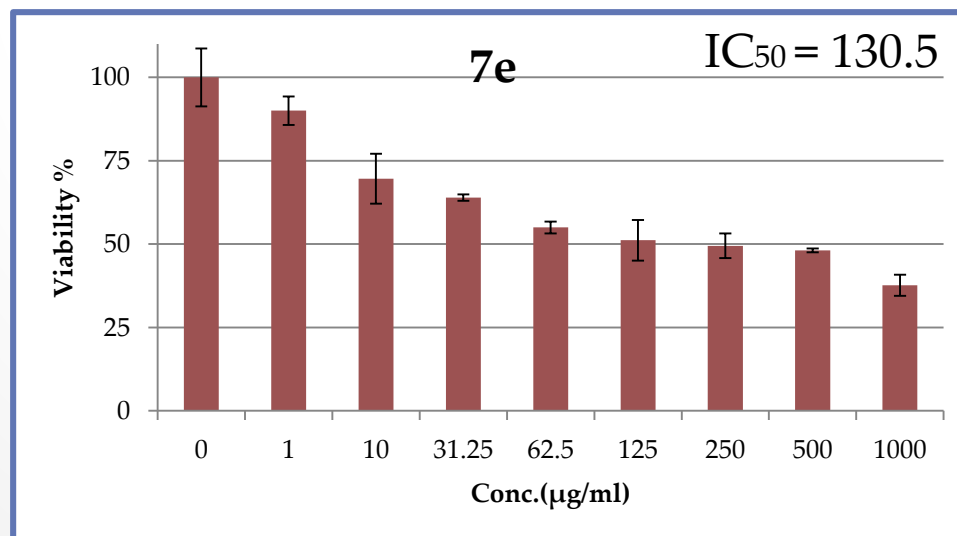
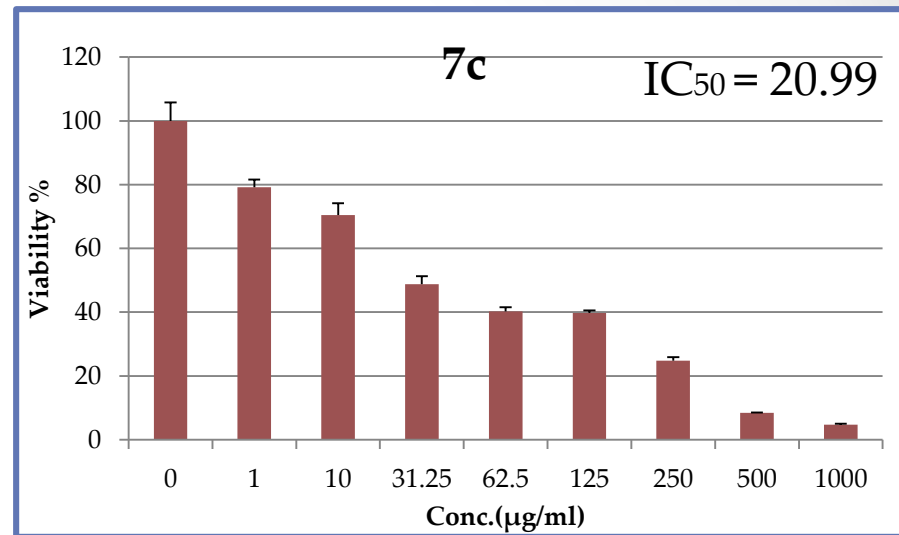
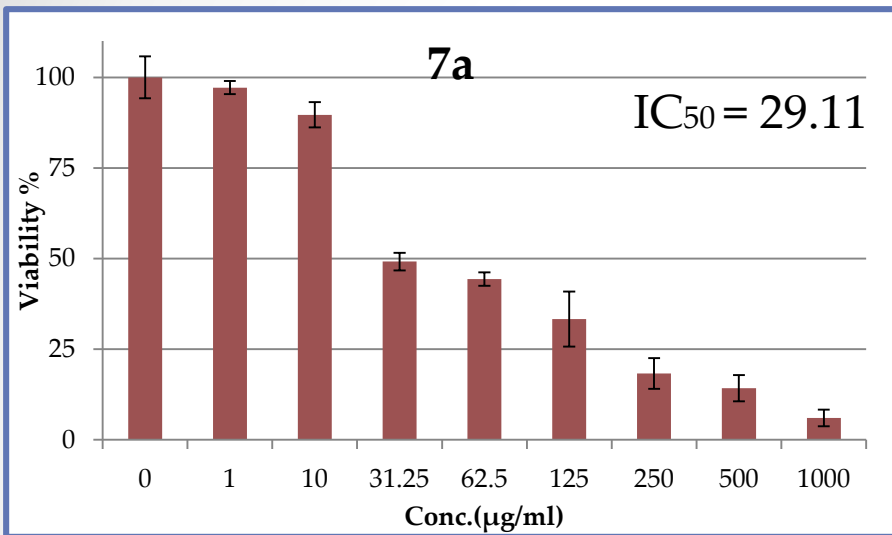


Plate no. 2

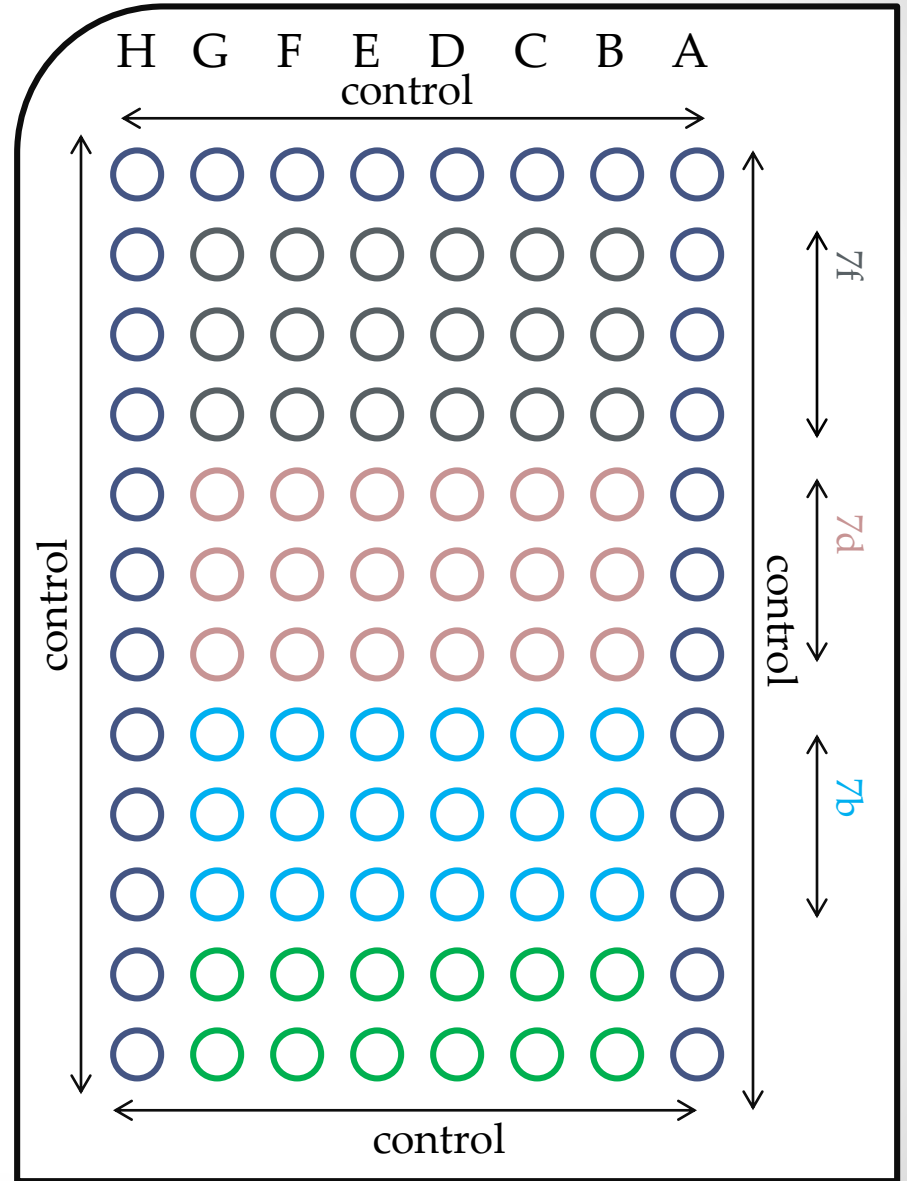
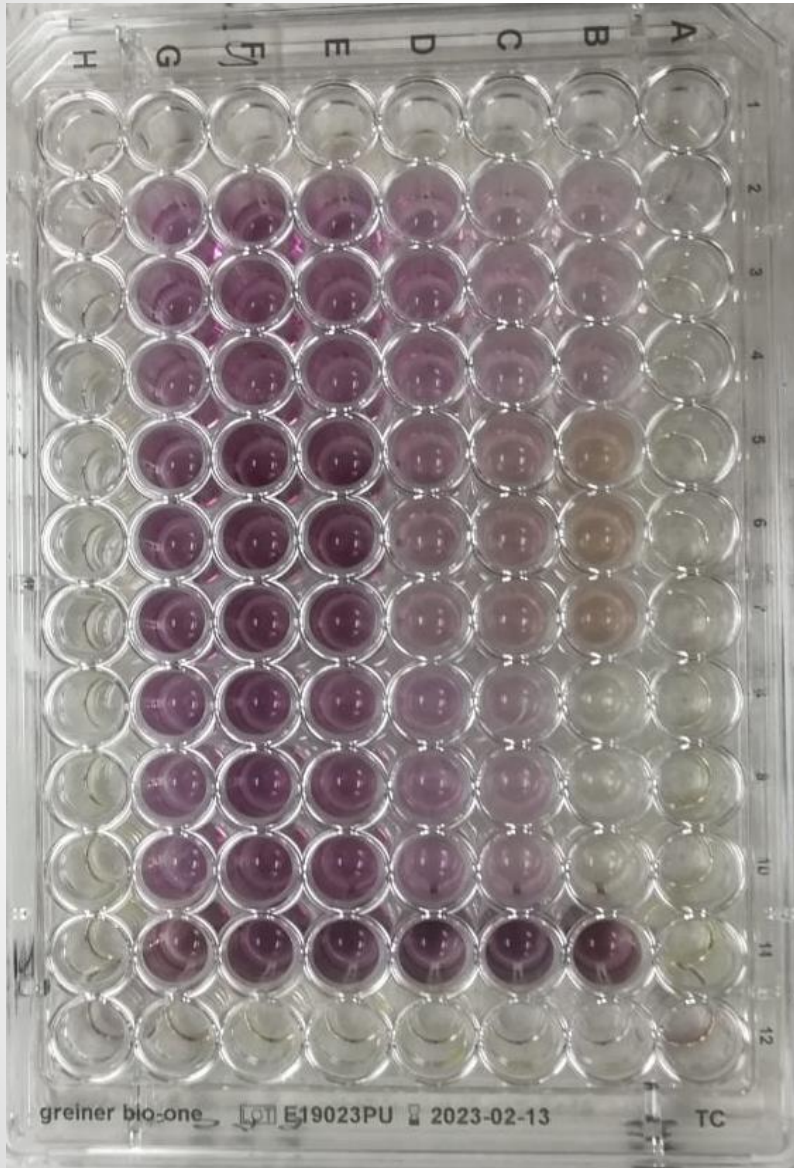
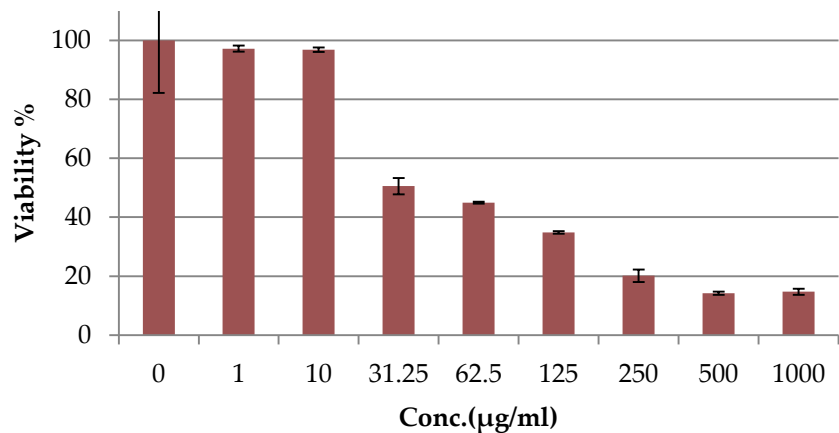


Fig.2

Data analysis for plate No.2

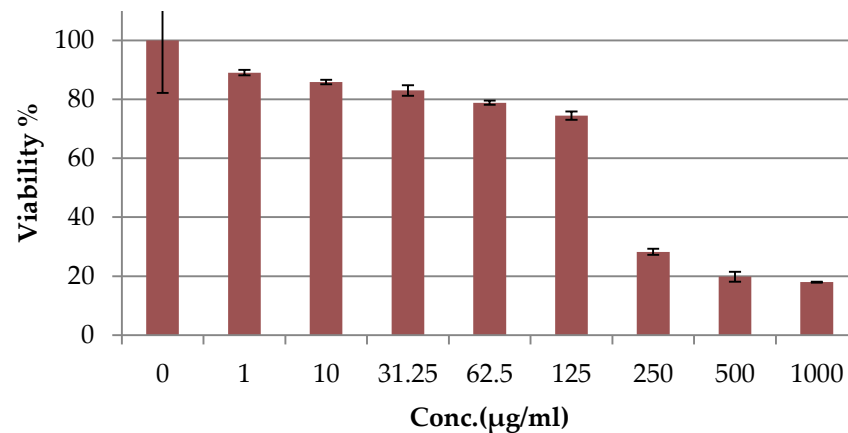
7f

$IC_{50} = 36.13$



7d

$IC_{50} = 194$



7b

$IC_{50} = 134$

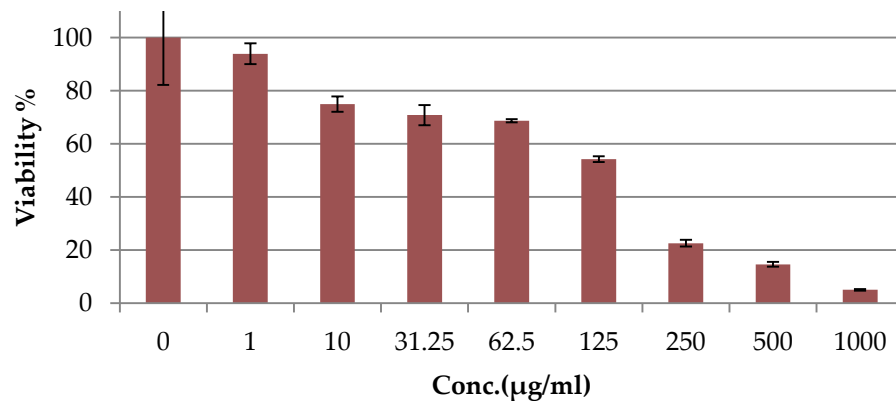


Plate no. 3

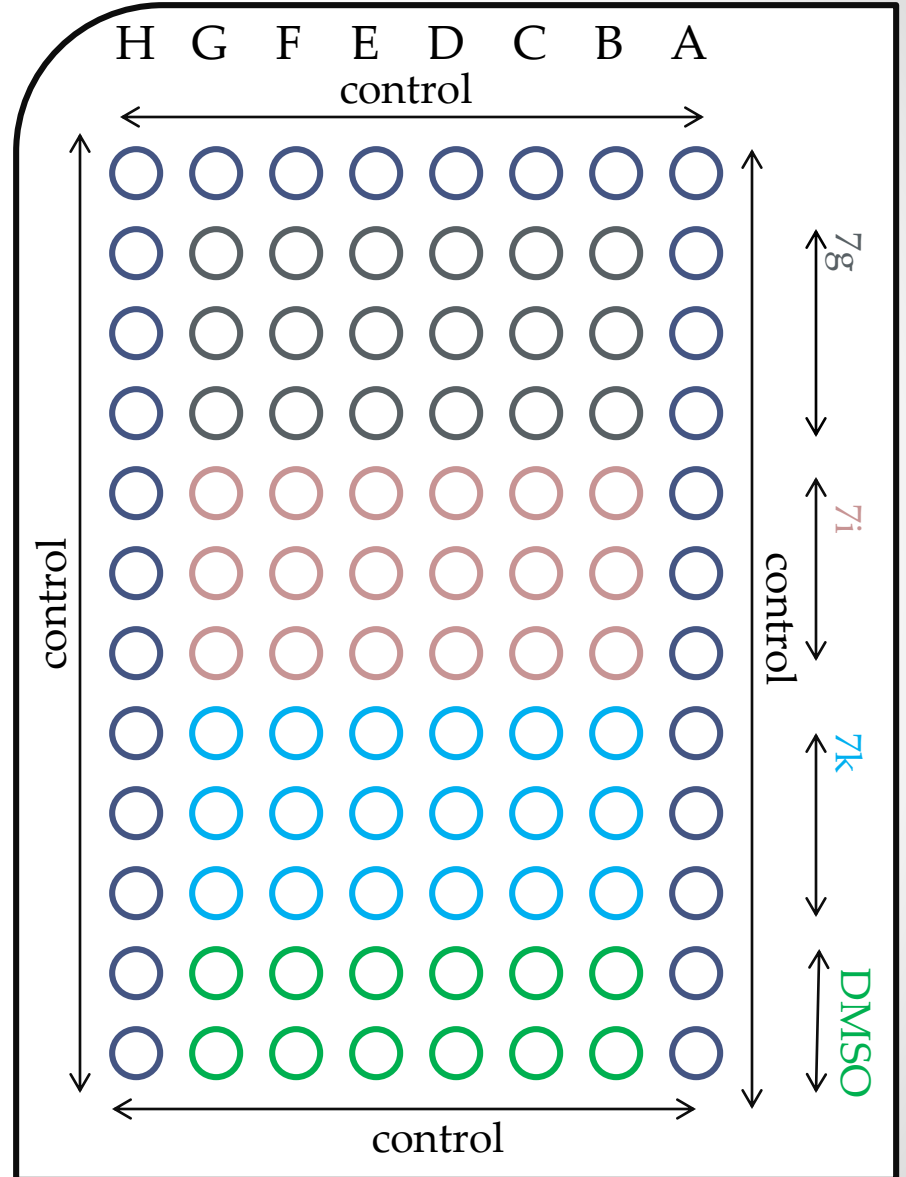
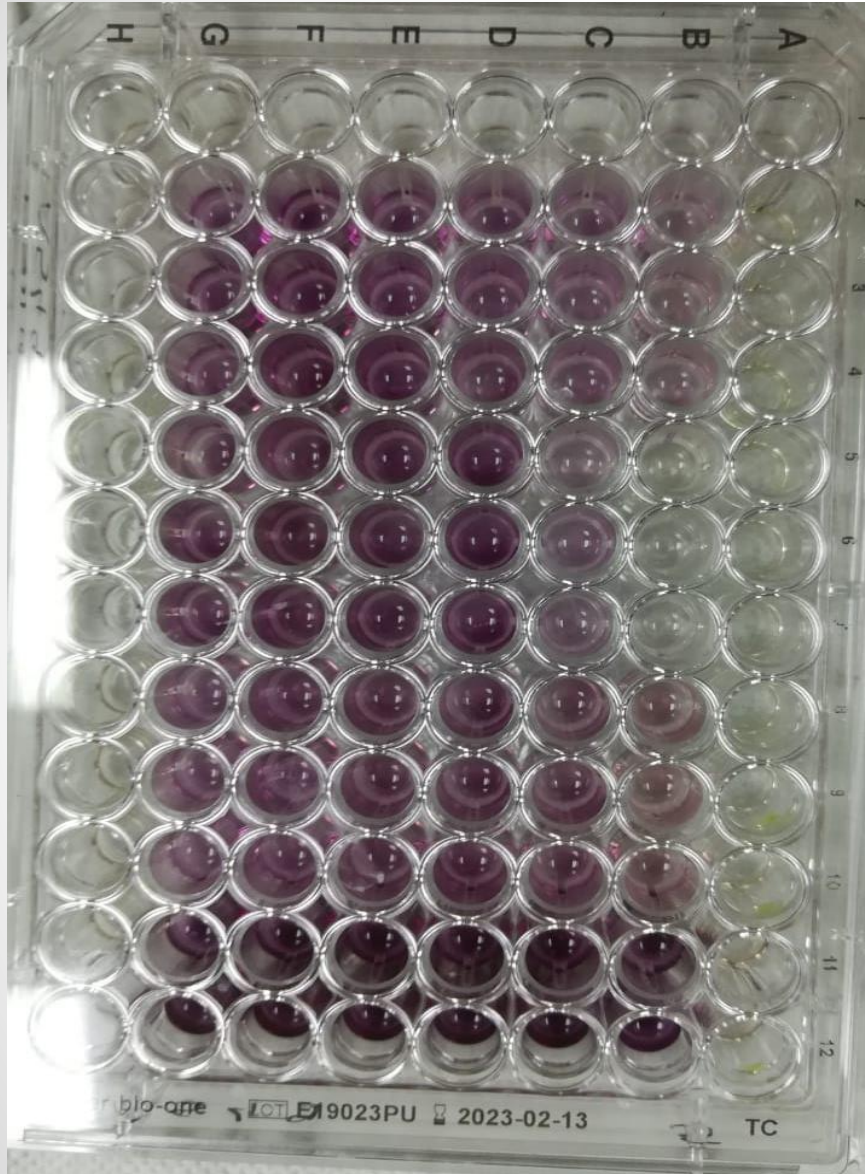


Fig. 3

Data analysis for plate No. 3

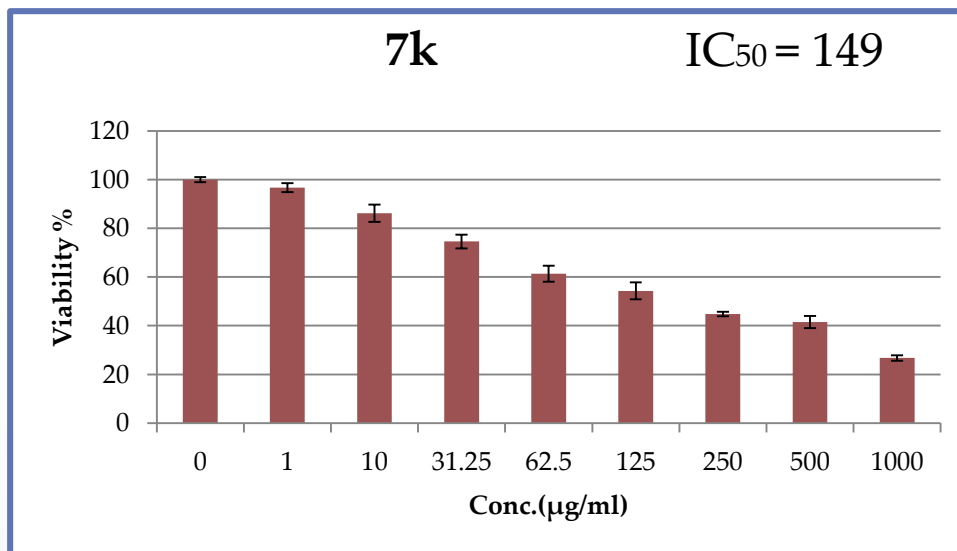
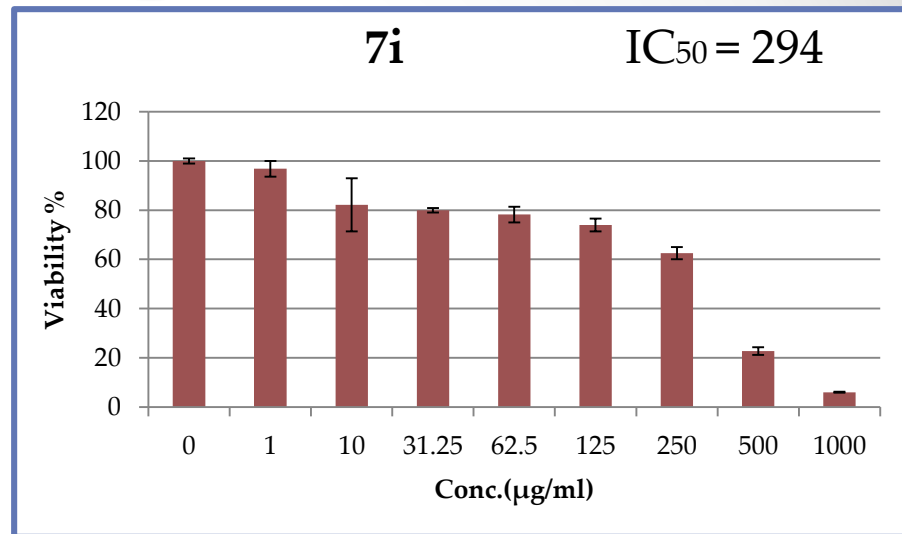
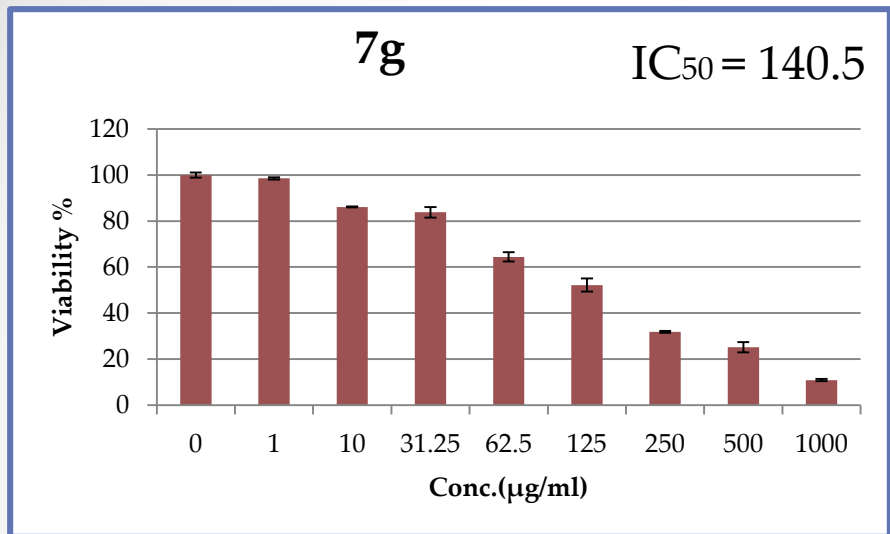


Plate no. 4

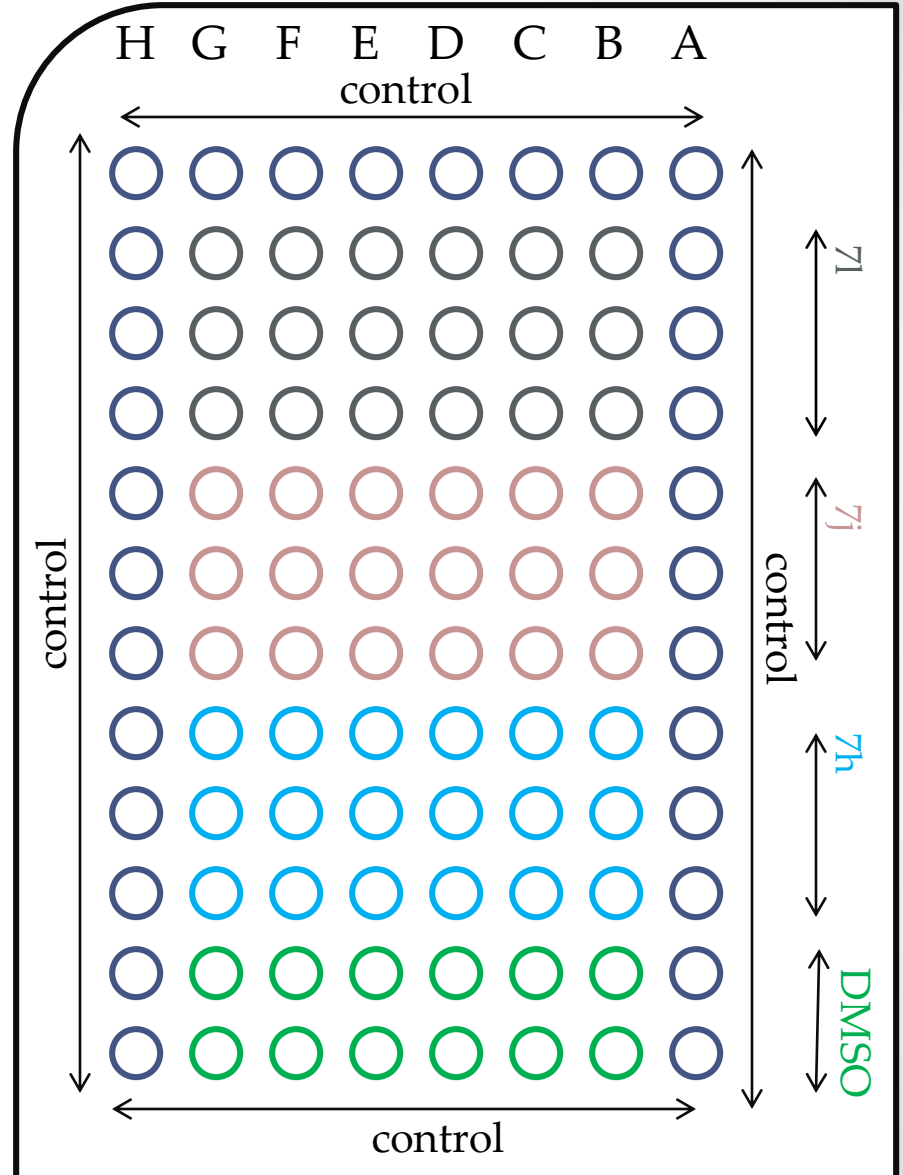
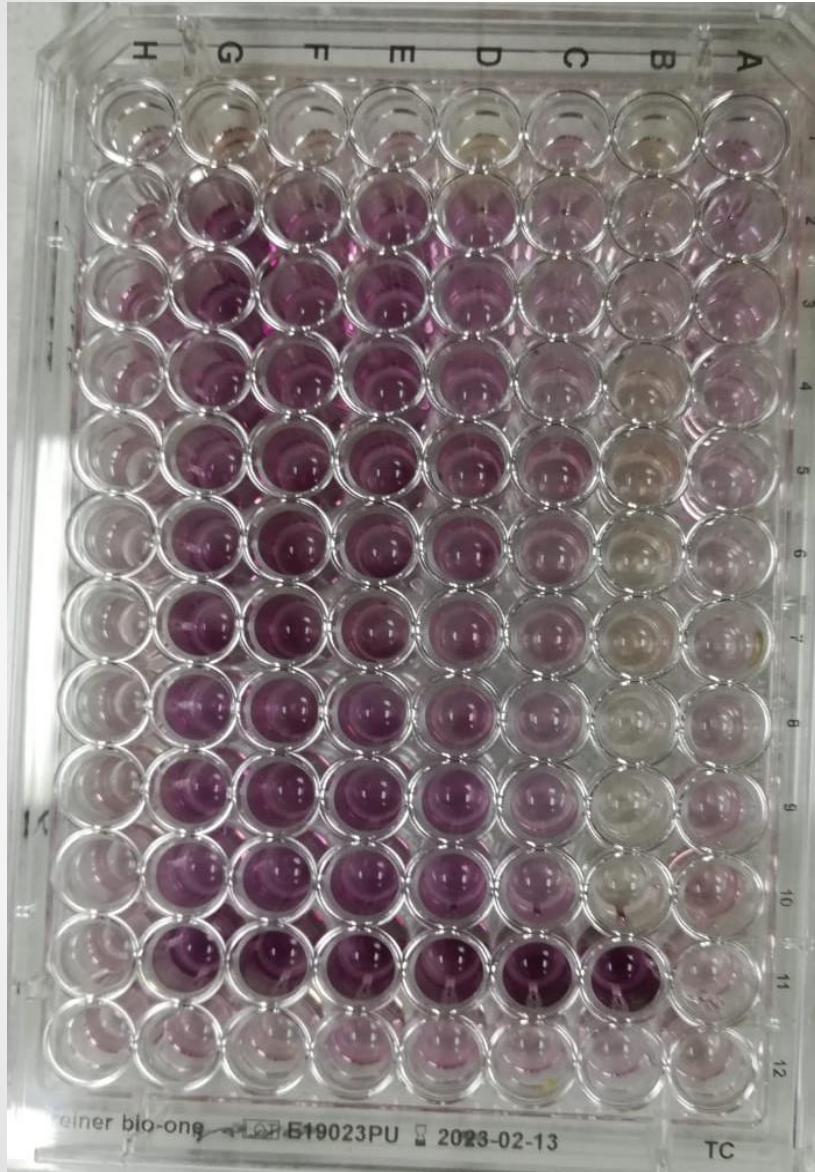
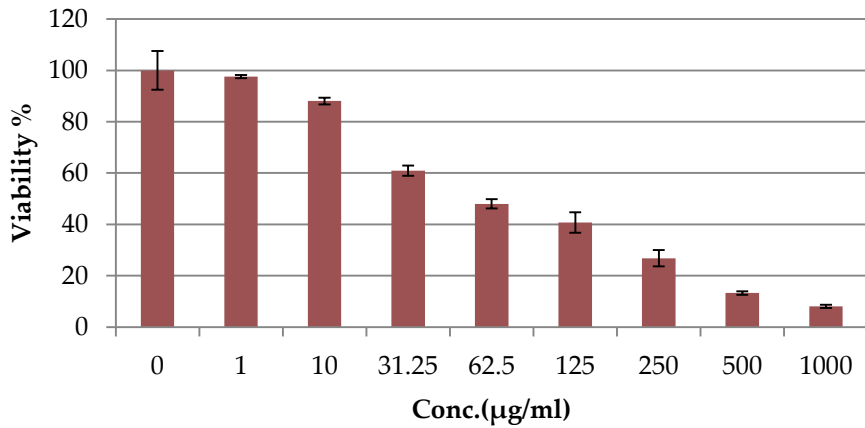


Fig. 4

Data analysis for plate No. 4

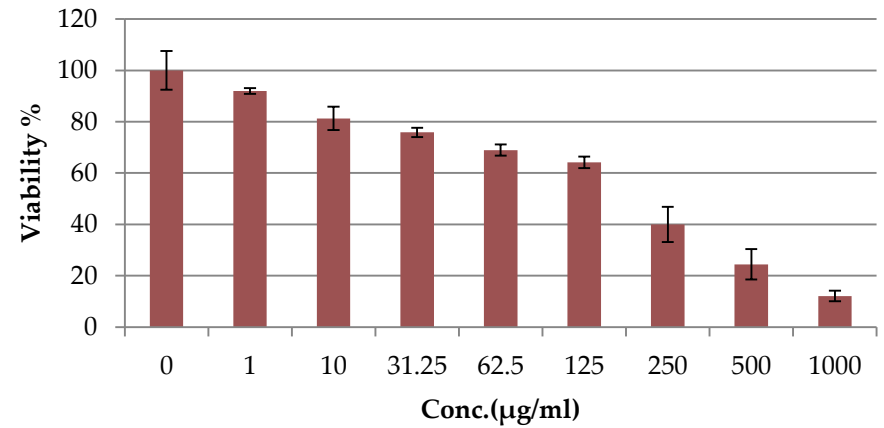
7i

IC₅₀ = 55.24



7j

IC₅₀ = 188.9



7h

IC₅₀ = 145.6

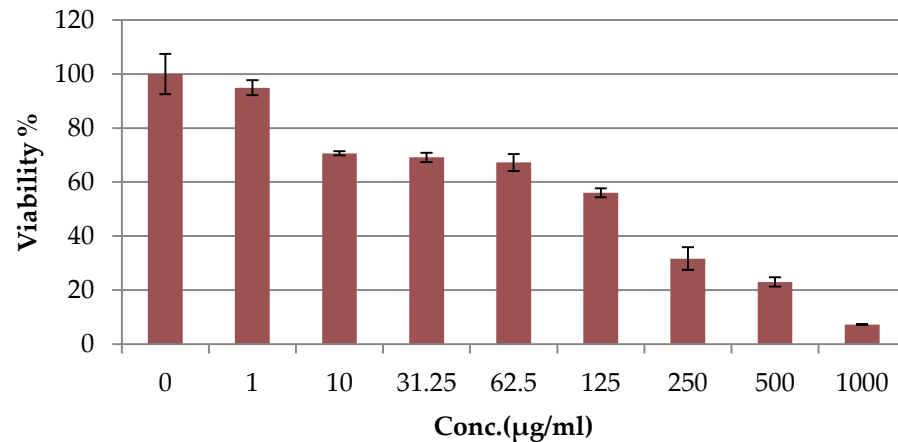


Plate no. 5

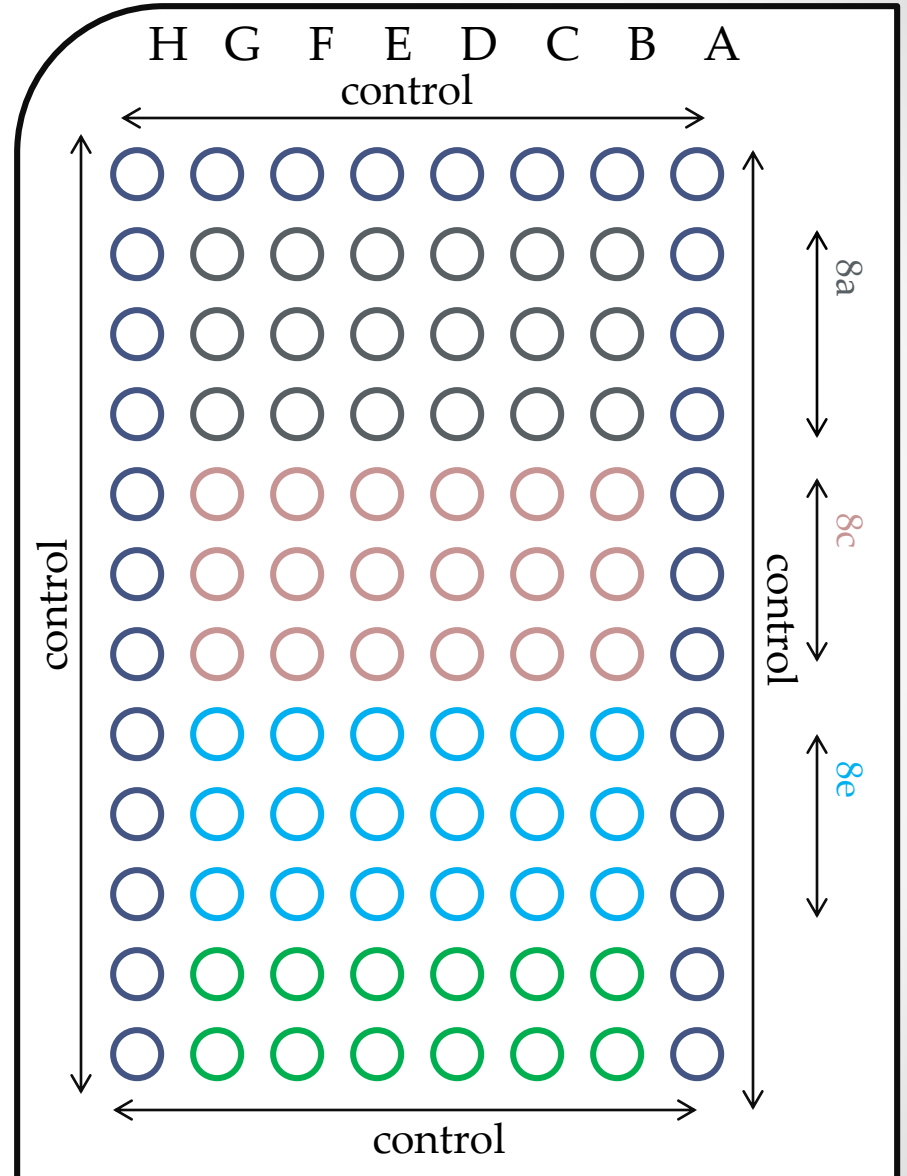
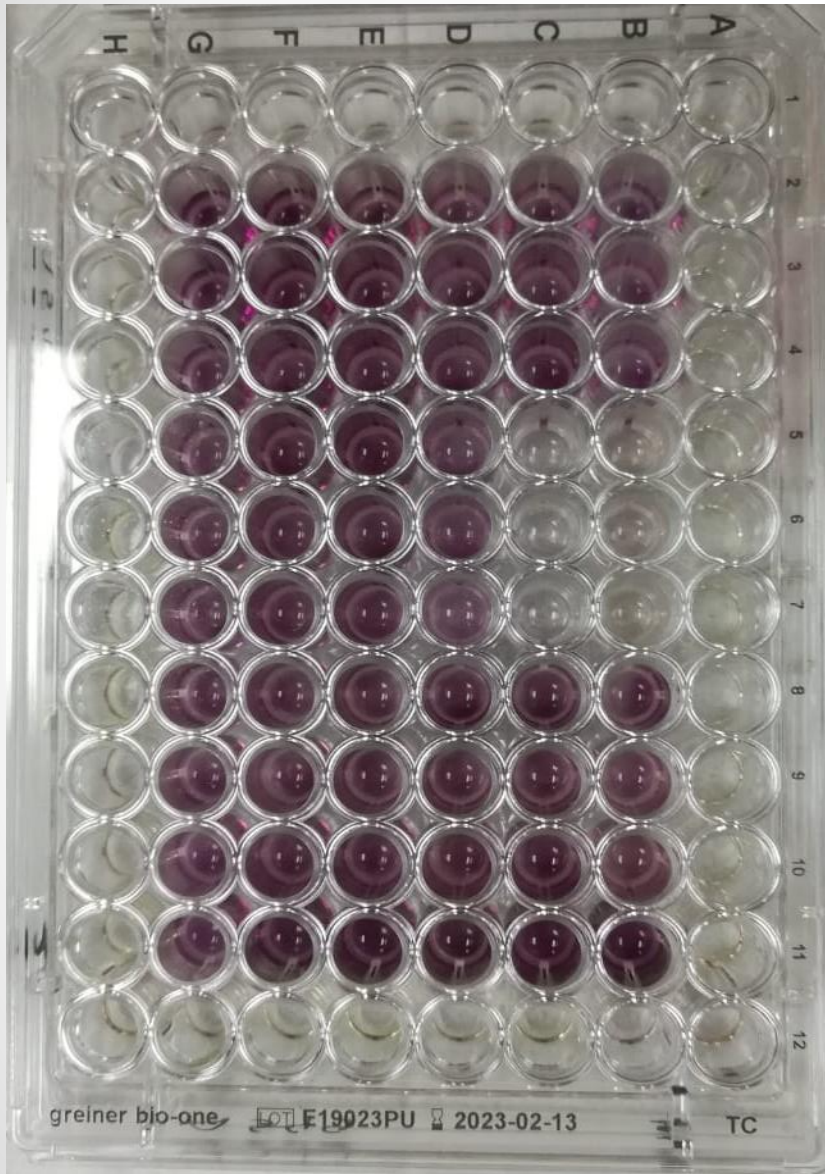


Fig. 5

Data analysis for plate No. 5

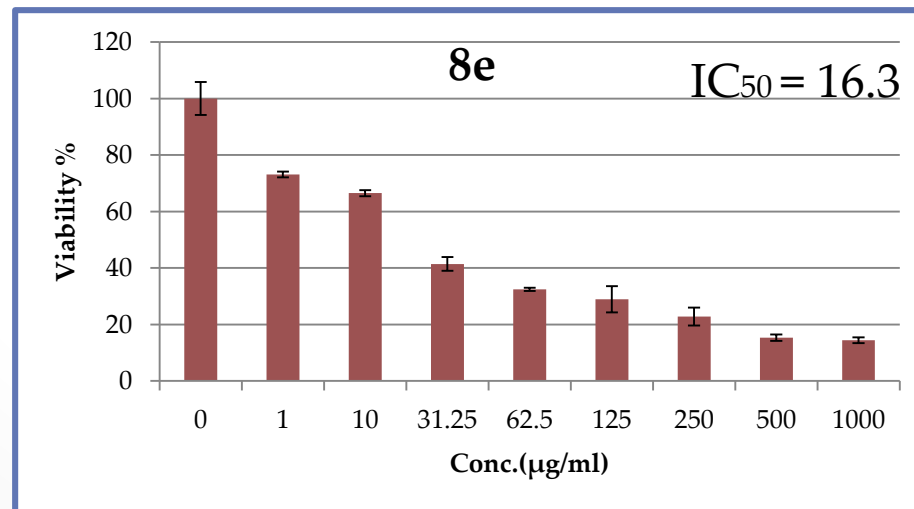
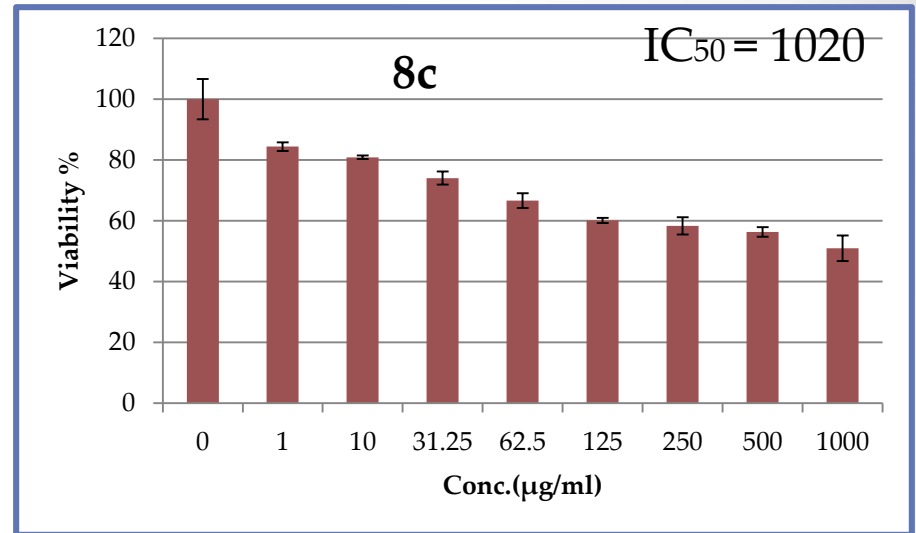
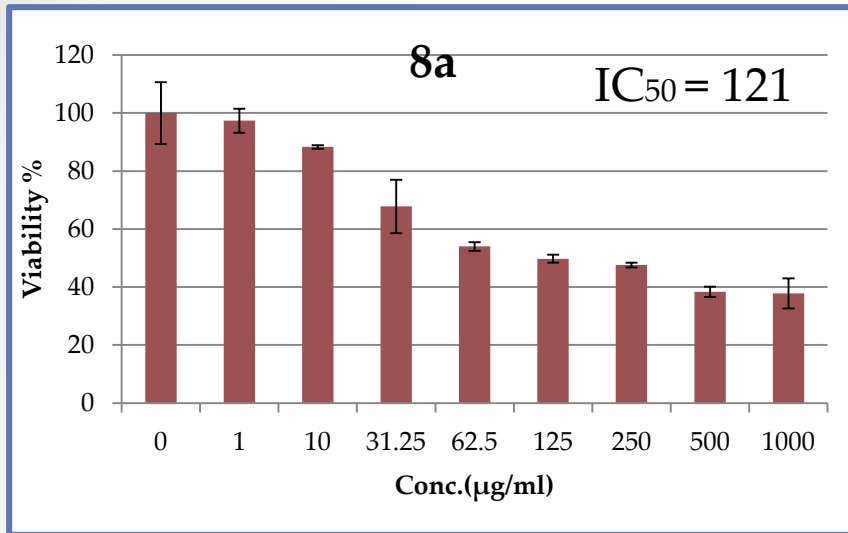


Plate no. 6

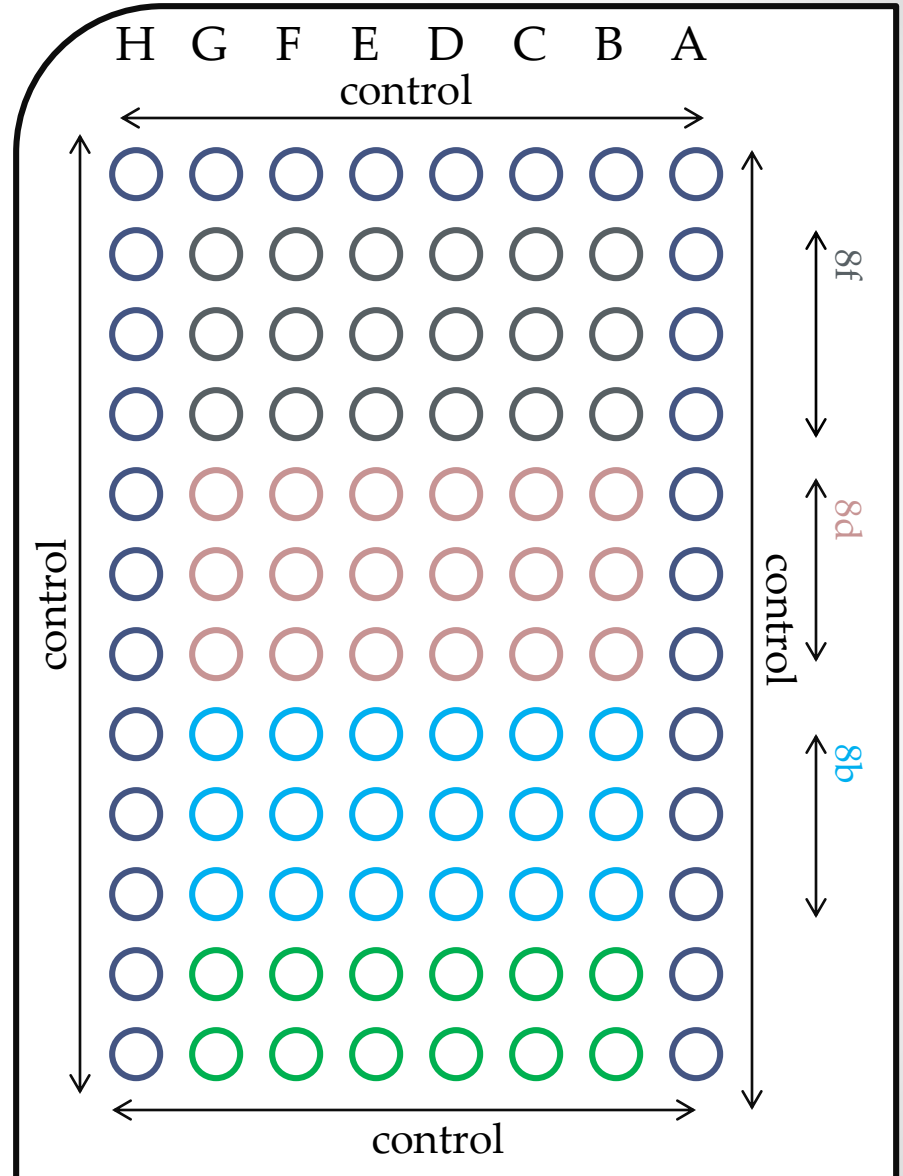


Fig. 6

Data analysis for plate No. 6

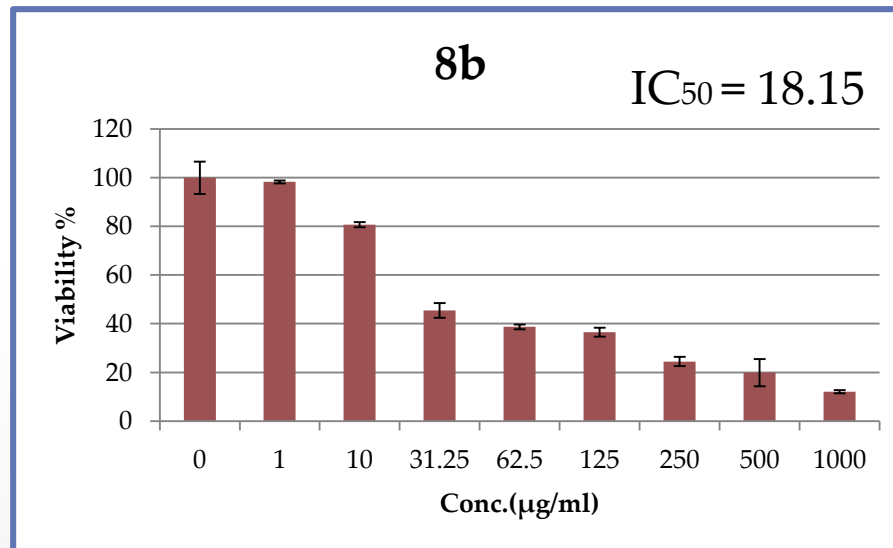
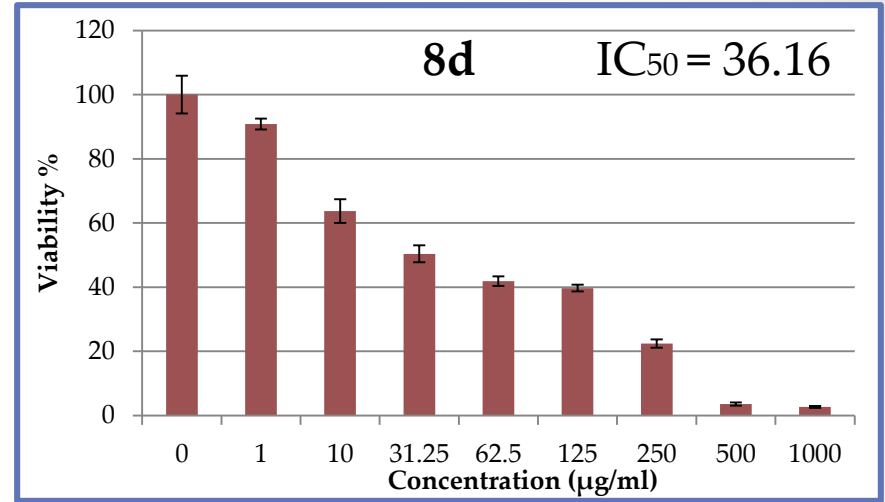
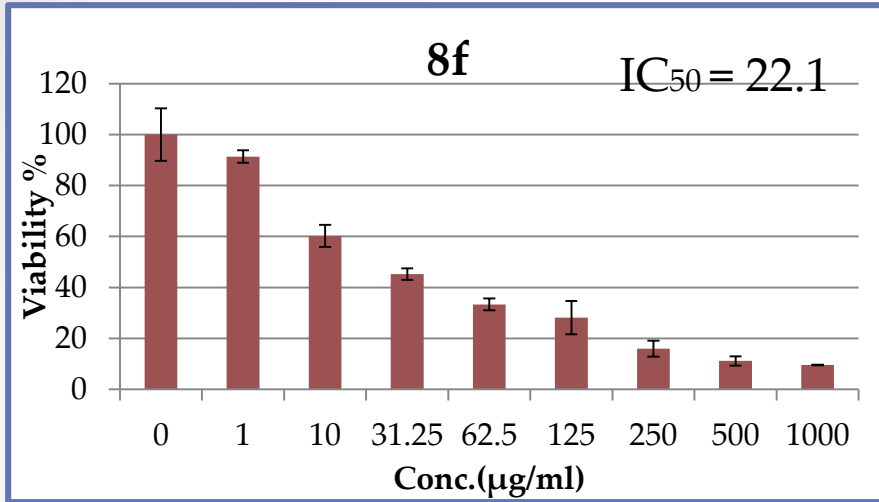


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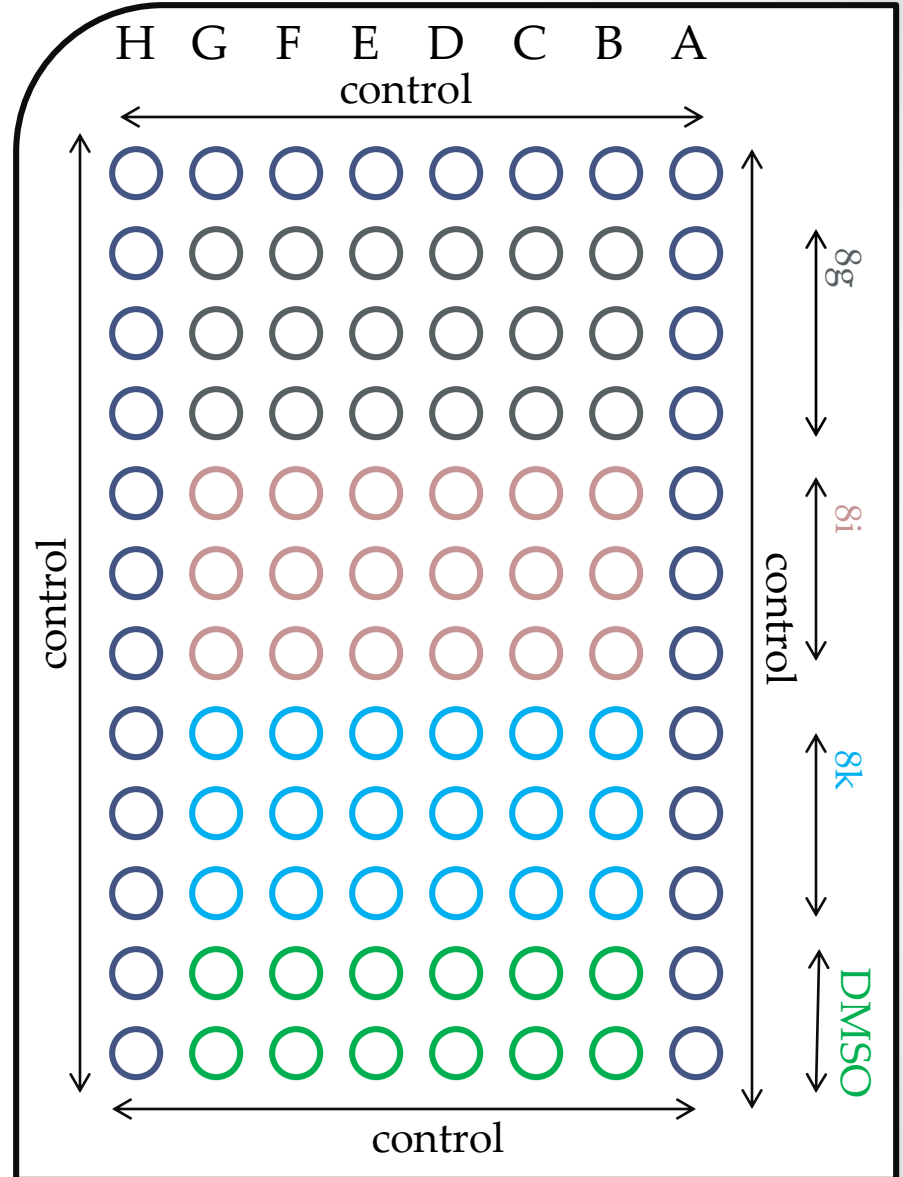
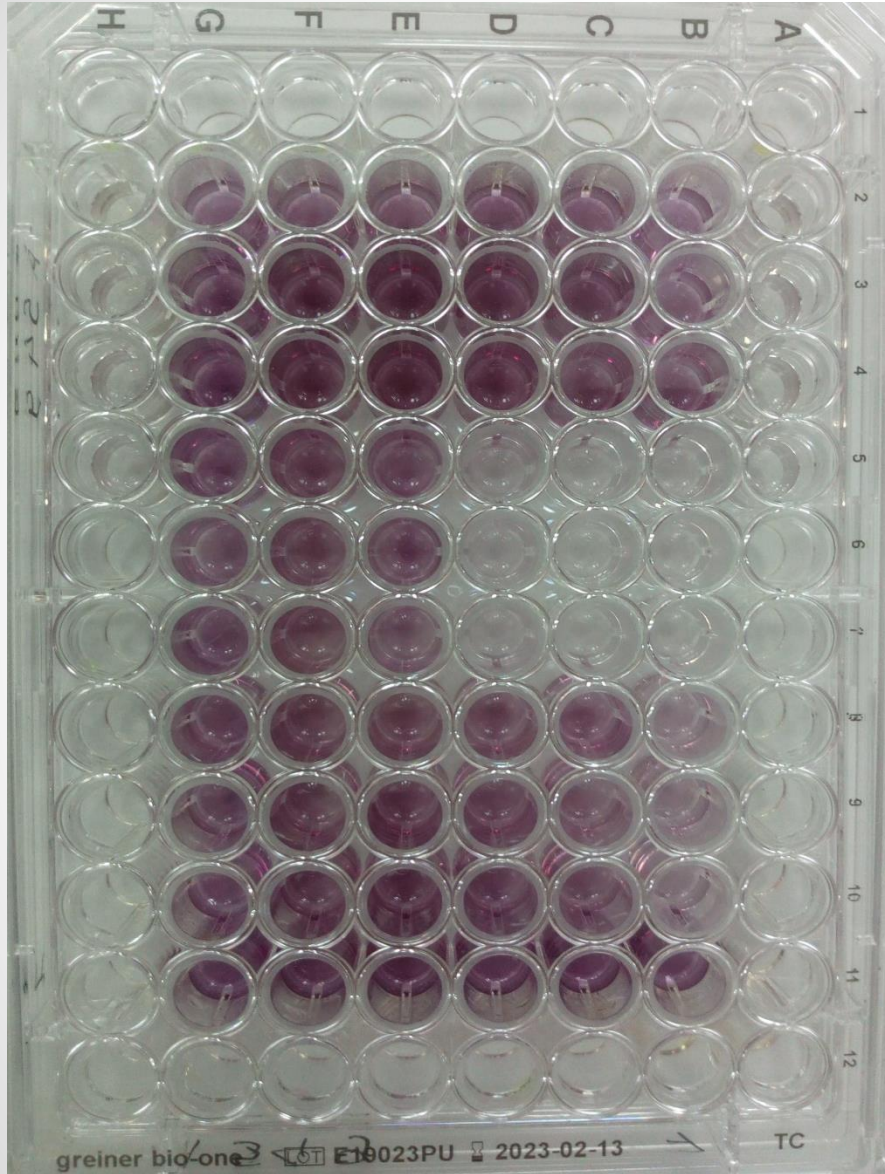
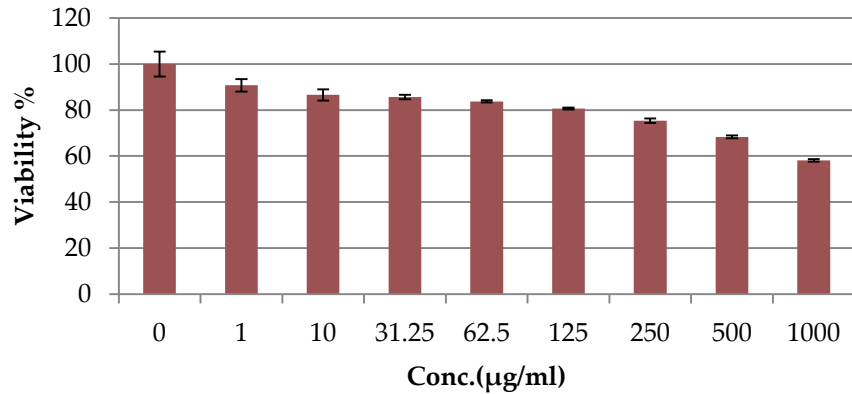


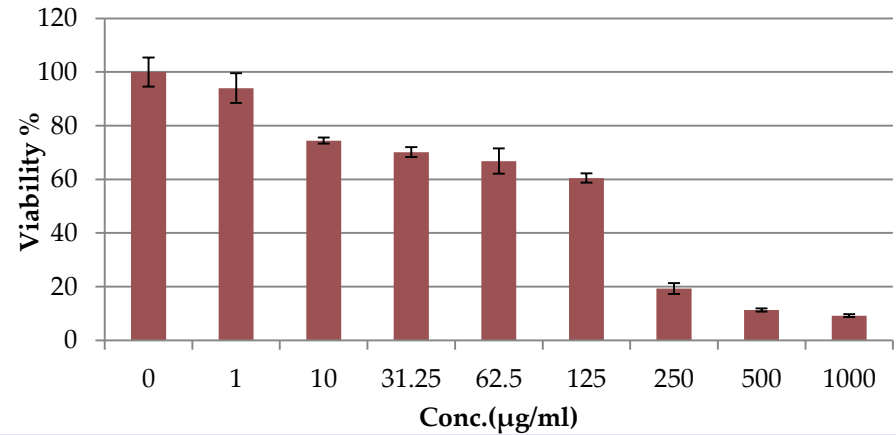
Fig. 7

Data analysis for plate No.7

8g $IC_{50} = 1137$



8i $IC_{50} = 171$



8k $IC_{50} = 558$

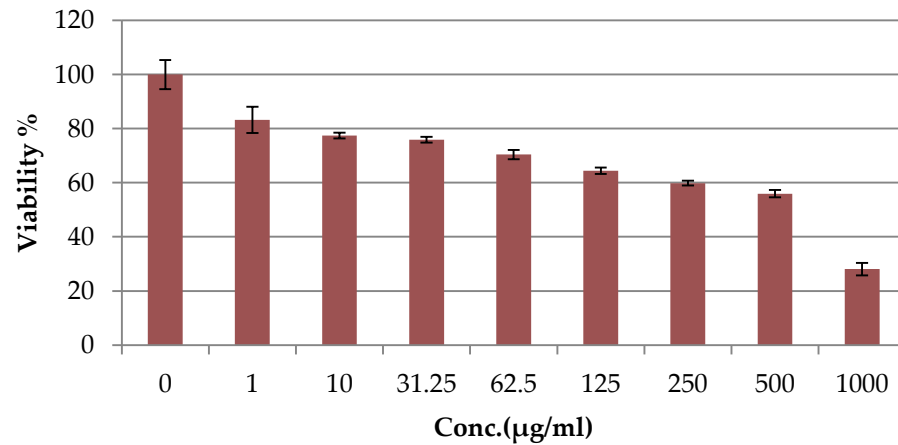


Plate no. 8

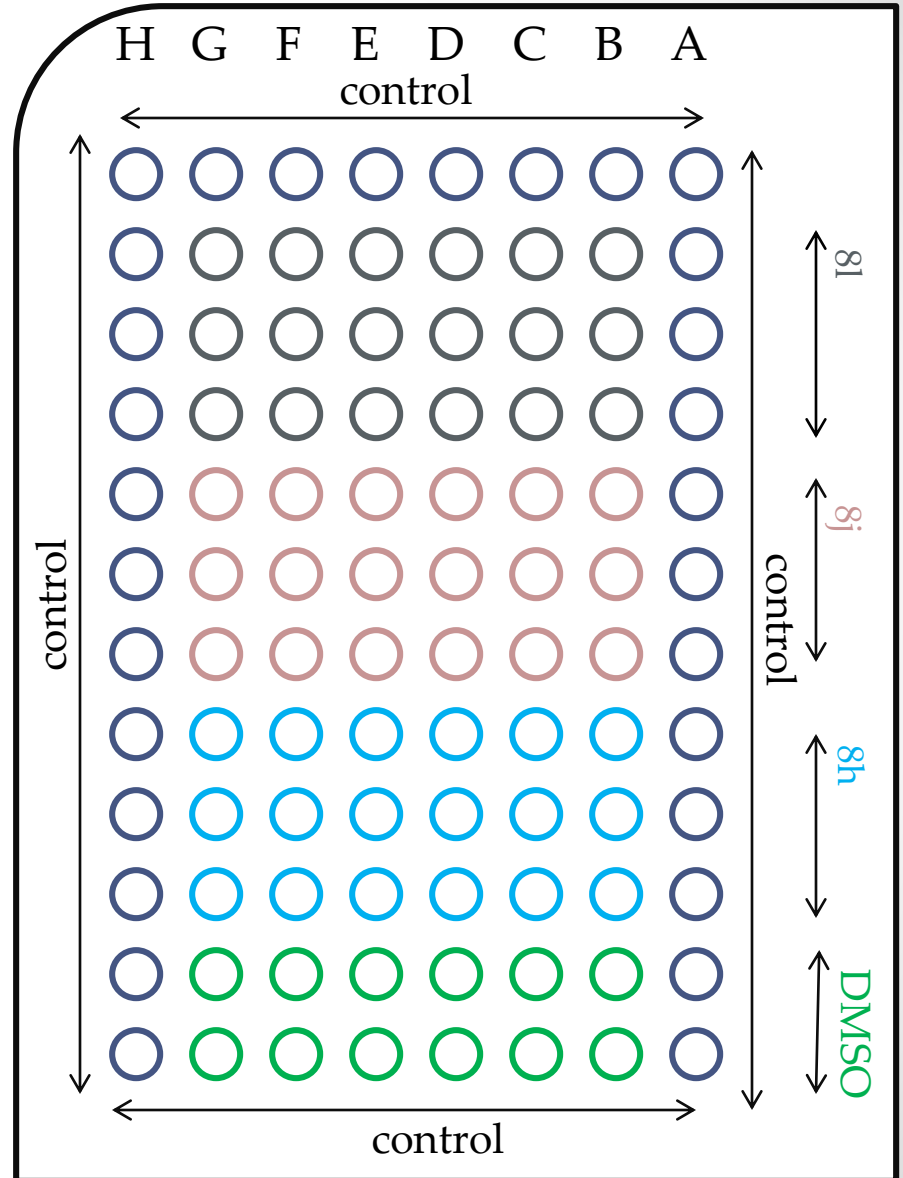
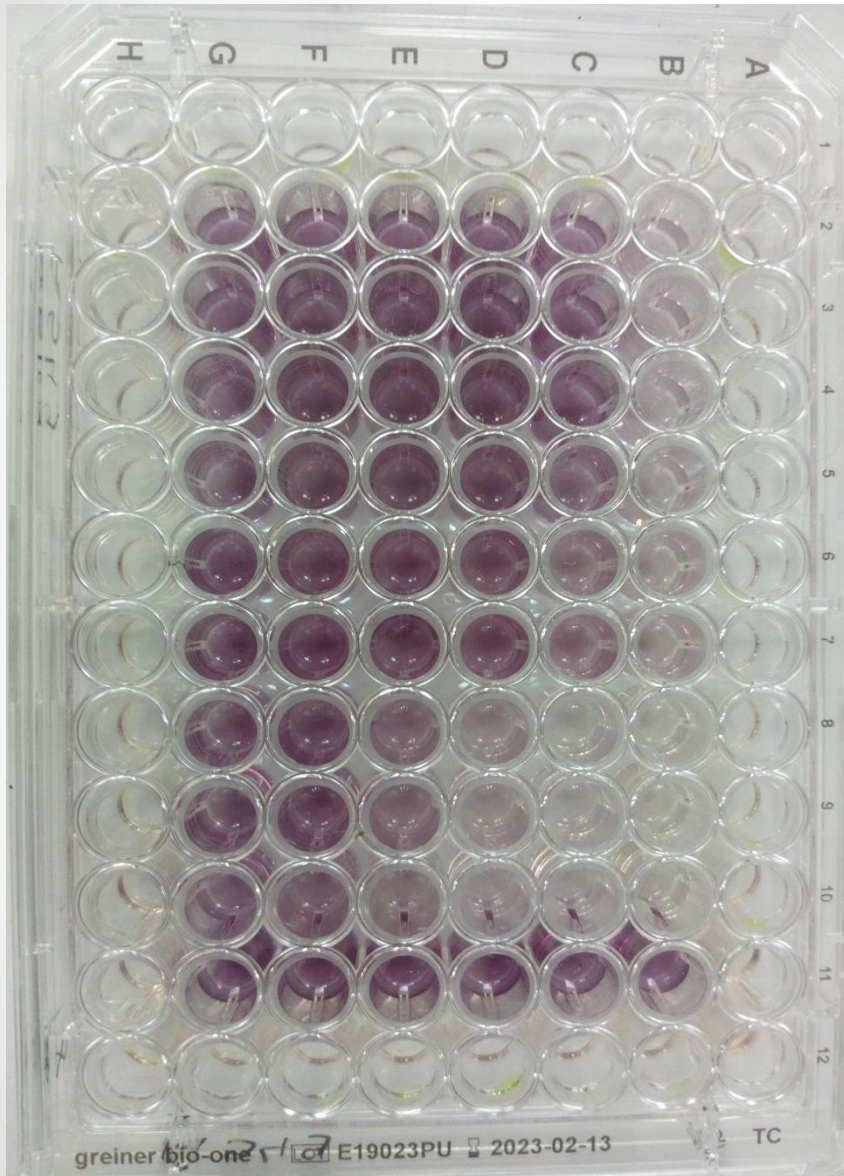


Fig. 8

Data analysis for plate No.8

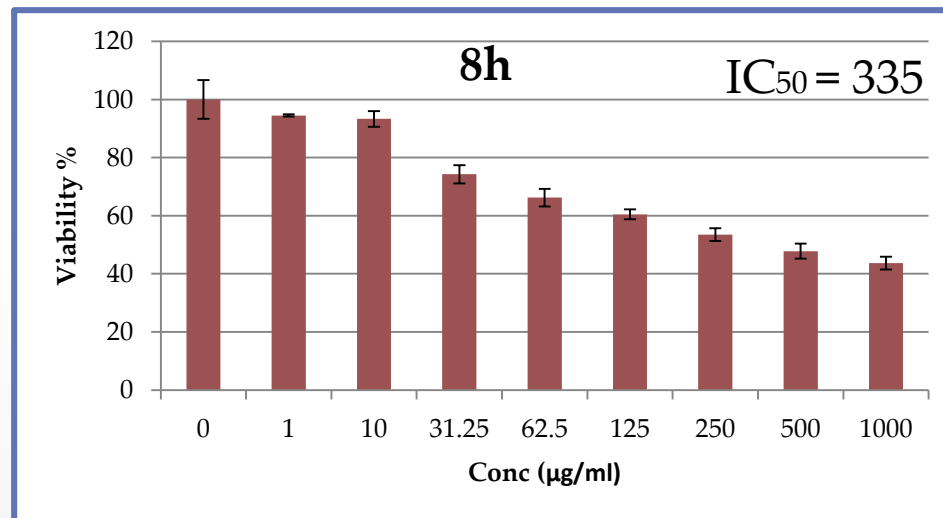
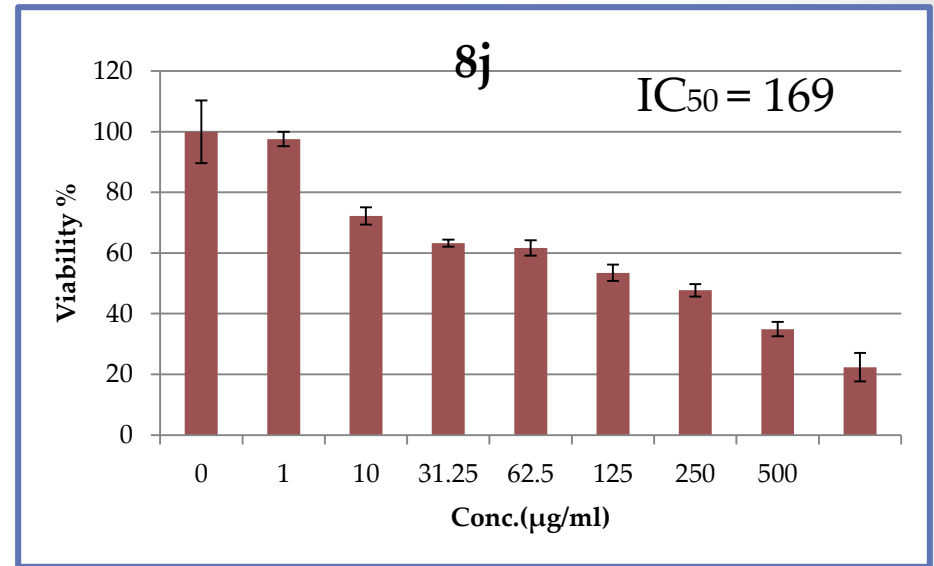
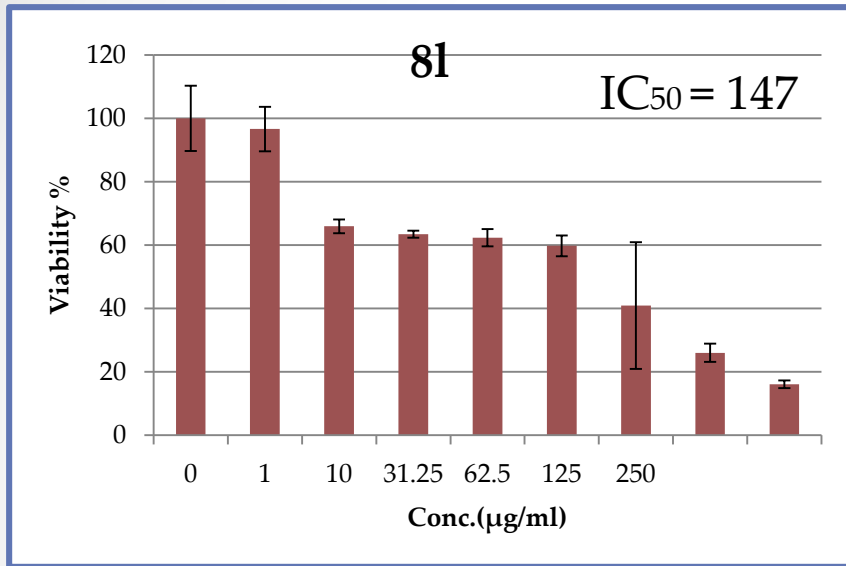


Plate no. 9

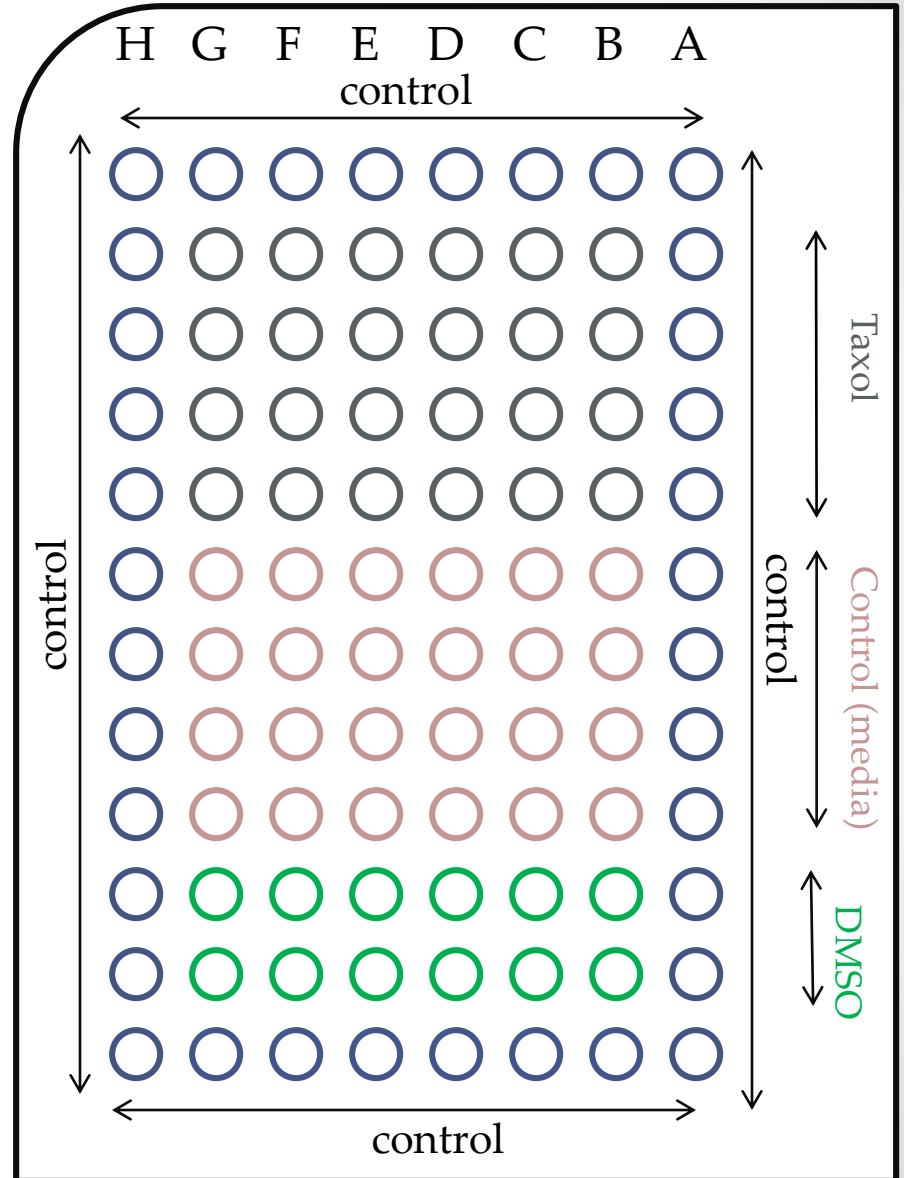
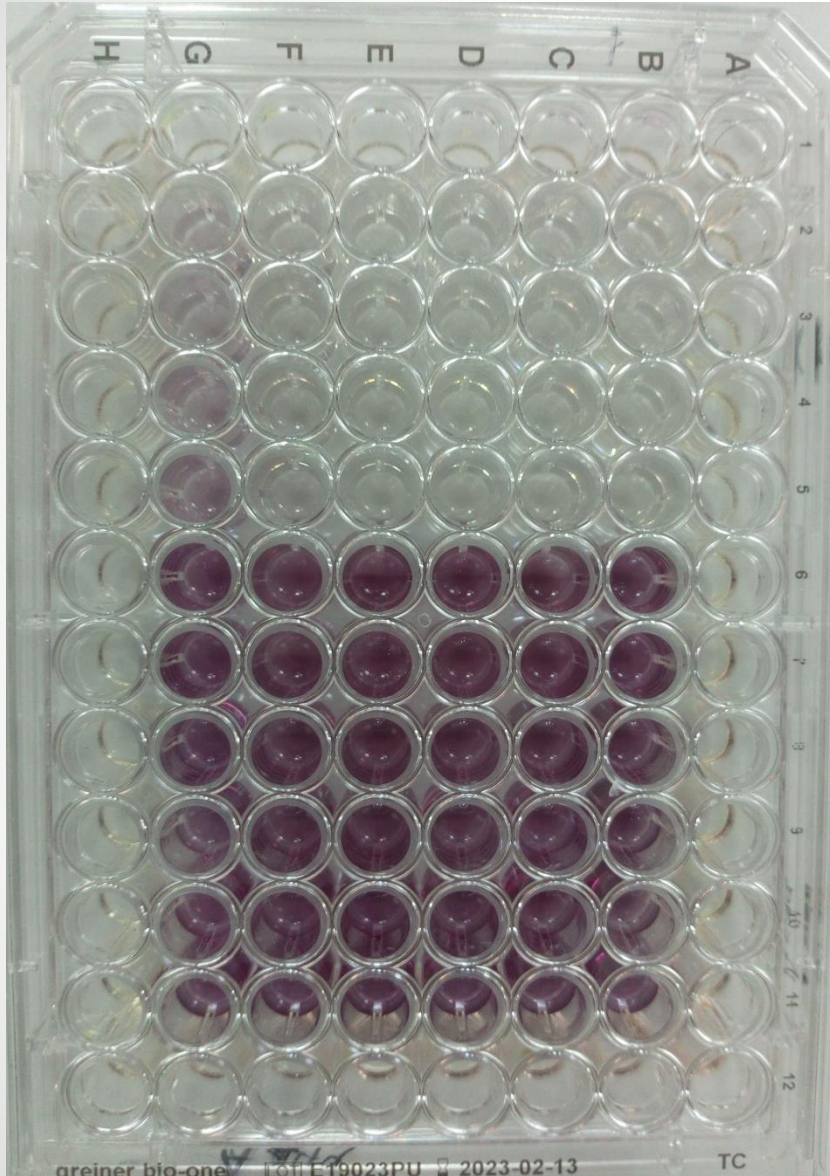
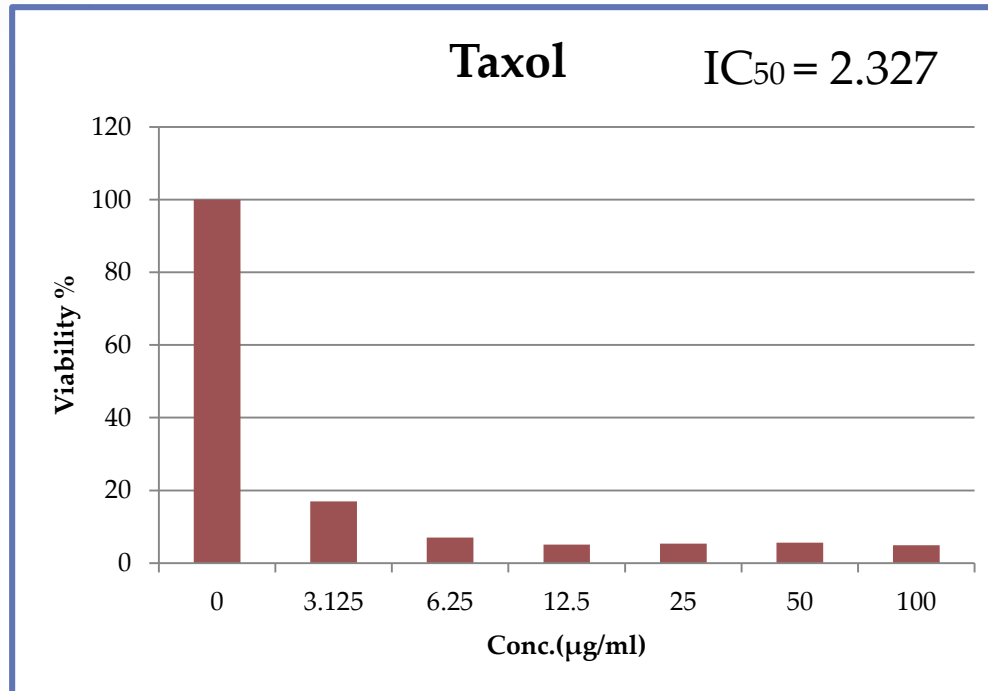


Fig. 9

Data analysis for plate No.9



Data analysis of
synthesized
sulfonamides on MDA-
MB-231 breast cancer cell
line

Plate no. 1

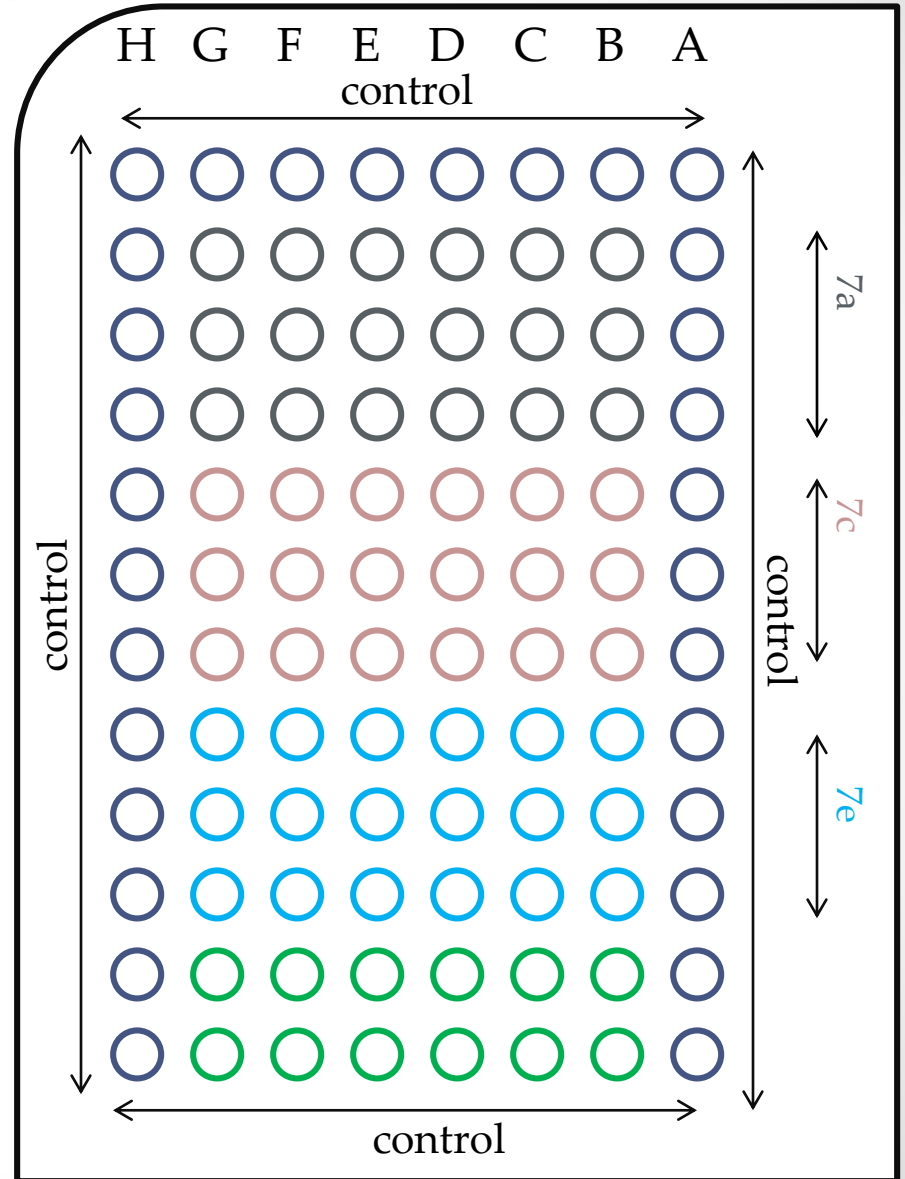
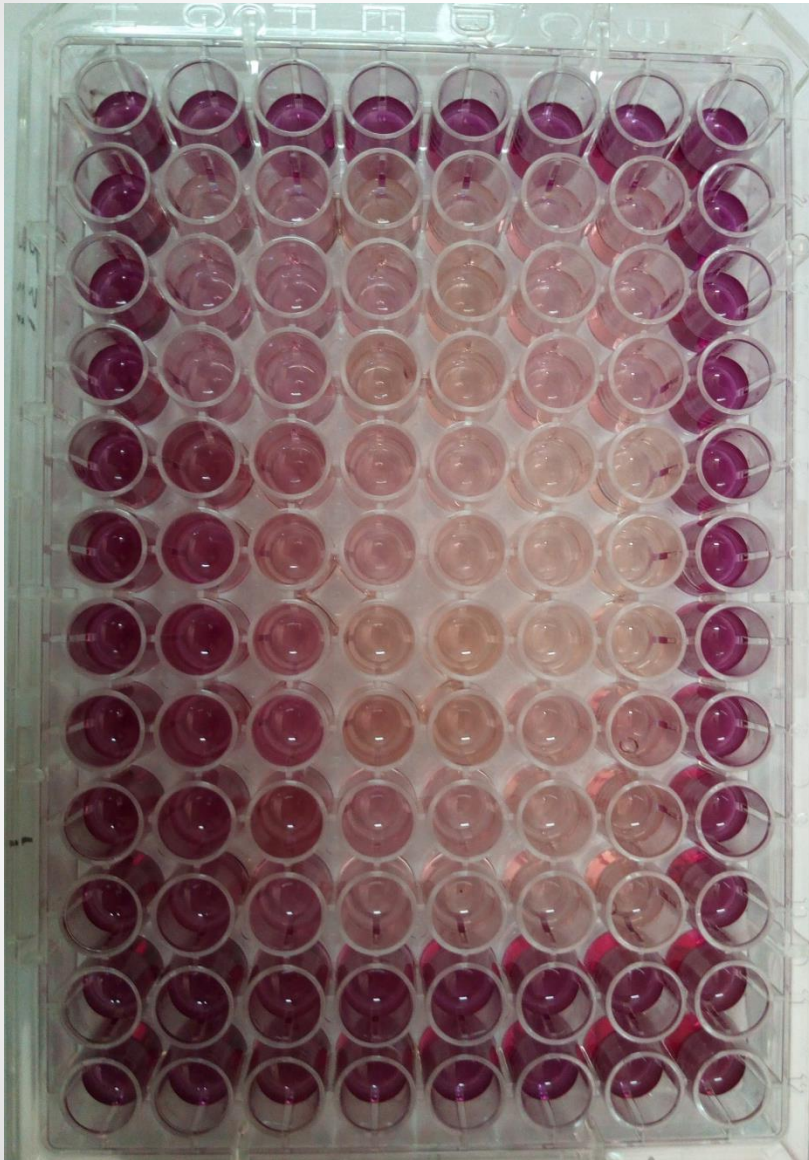


Fig. 1

Data analysis for plate no.1

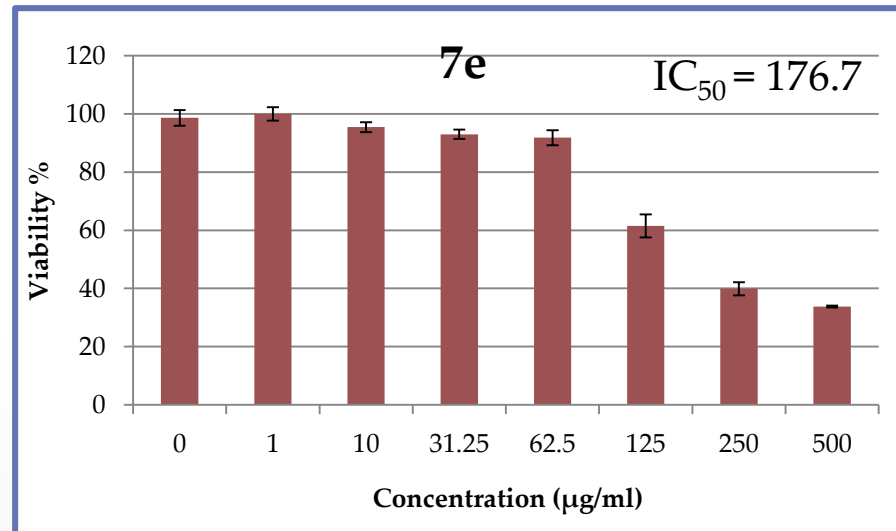
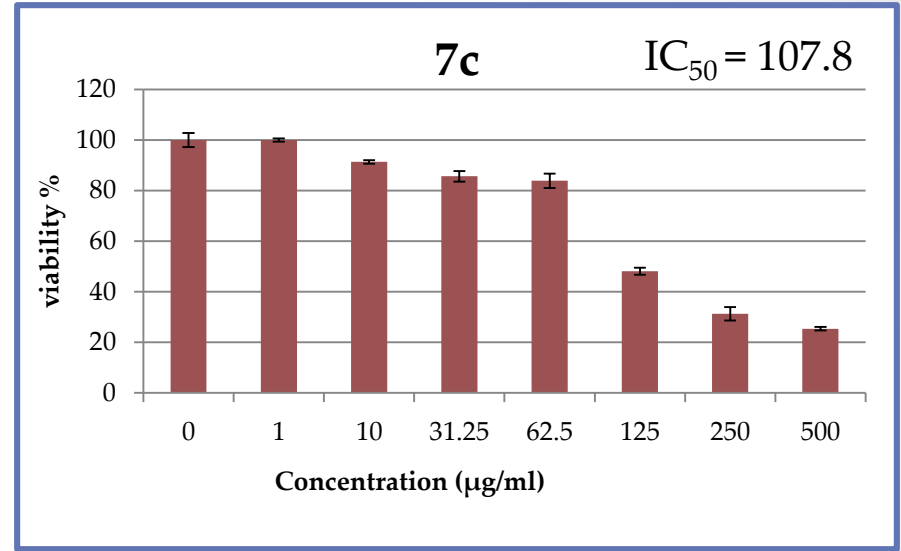
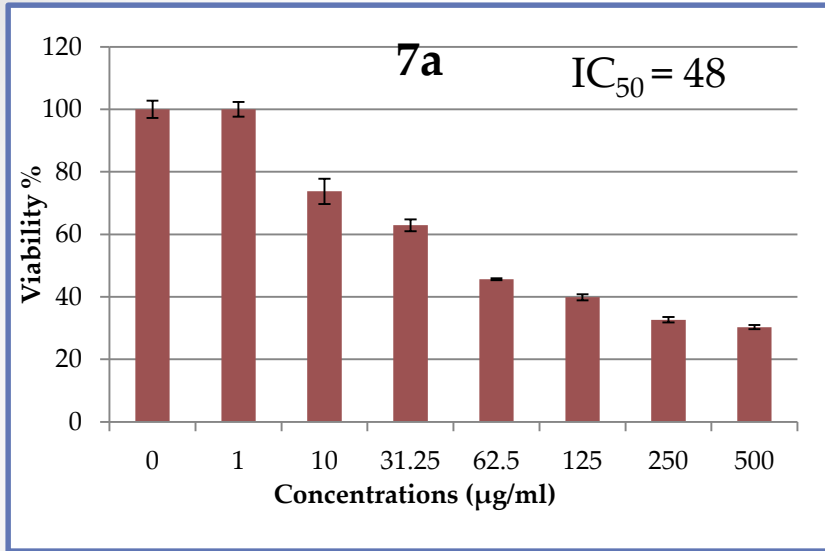


Plate no. 2

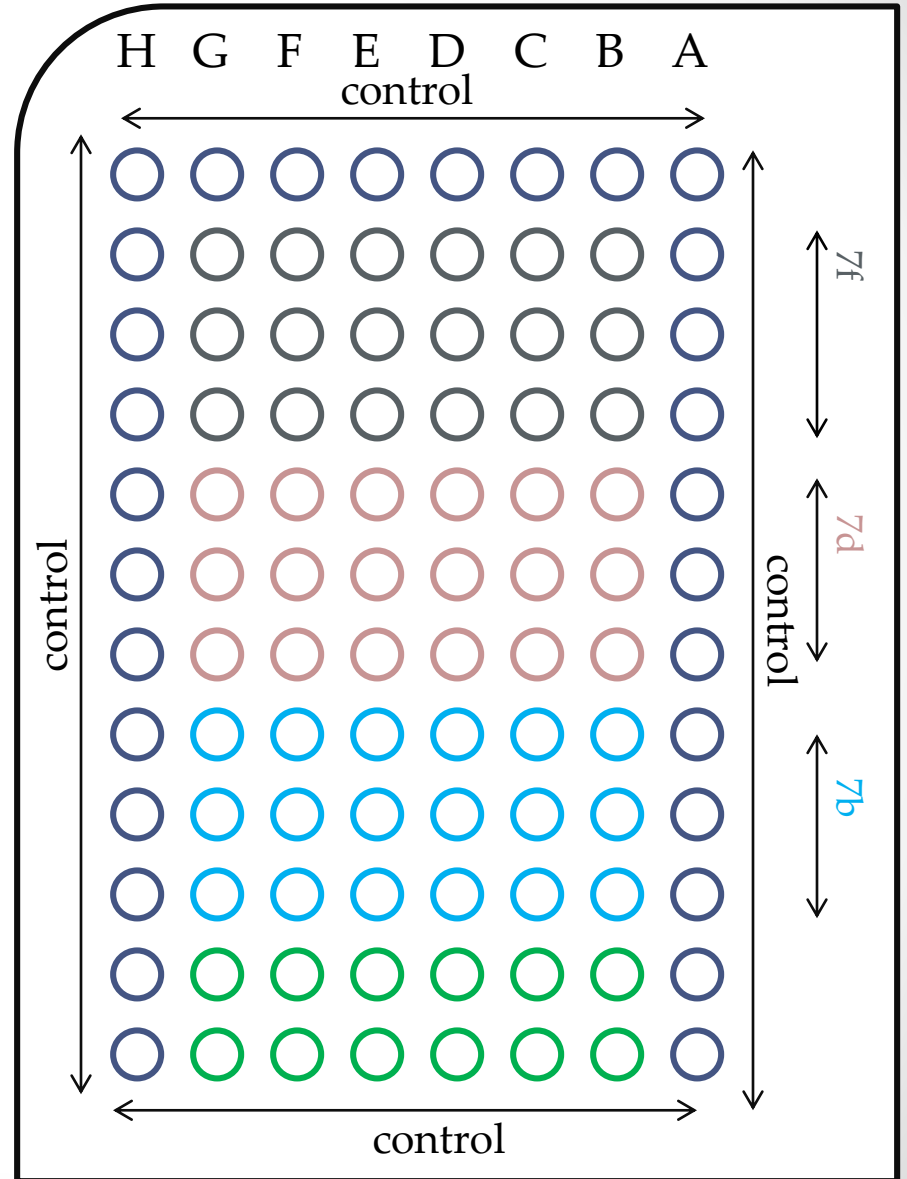
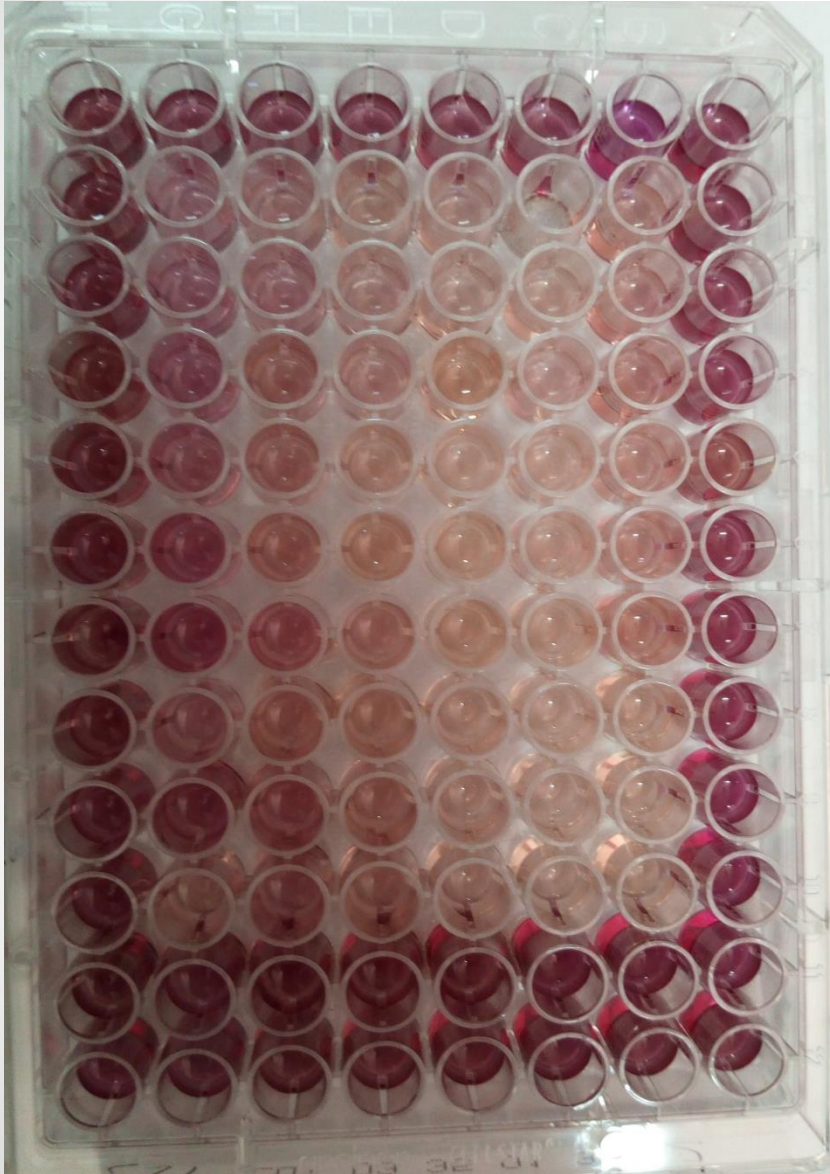
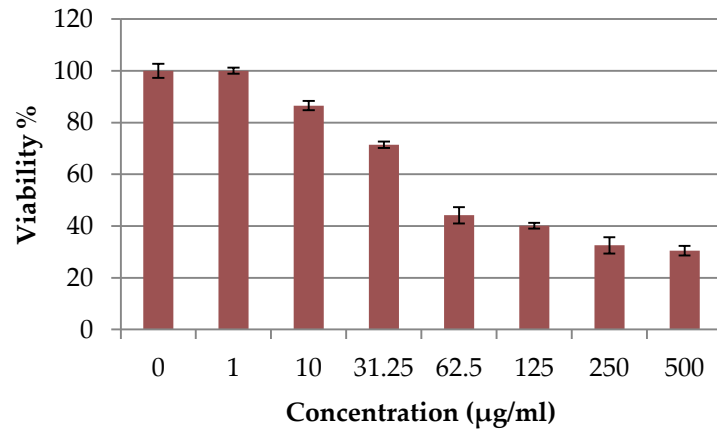


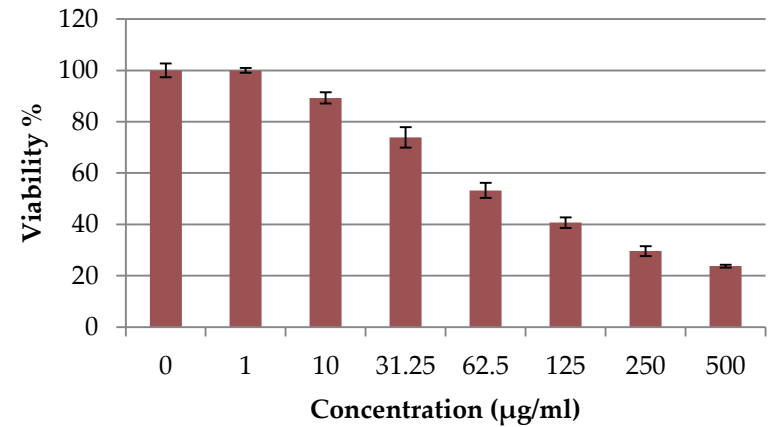
Fig.2

Data analysis for plate no. 2

7f $IC_{50} = 54.2$



7d $IC_{50} = 78.7$



7b $IC_{50} = 50.4$

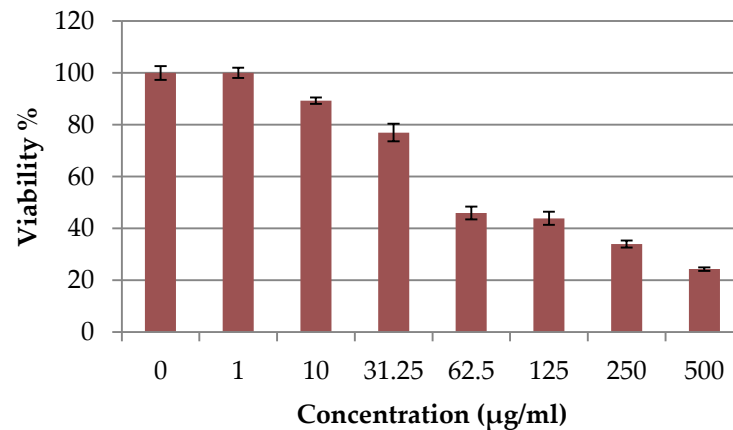


Plate no. 3

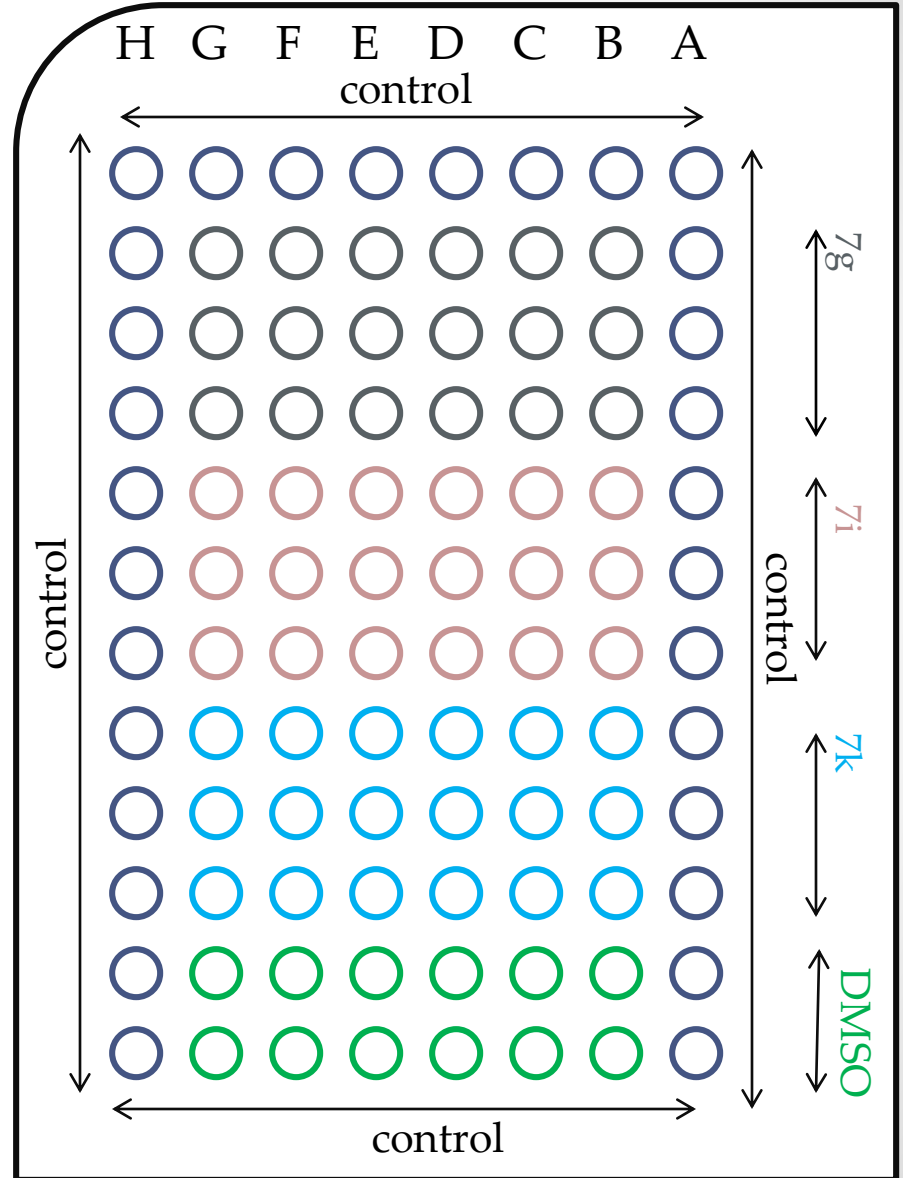
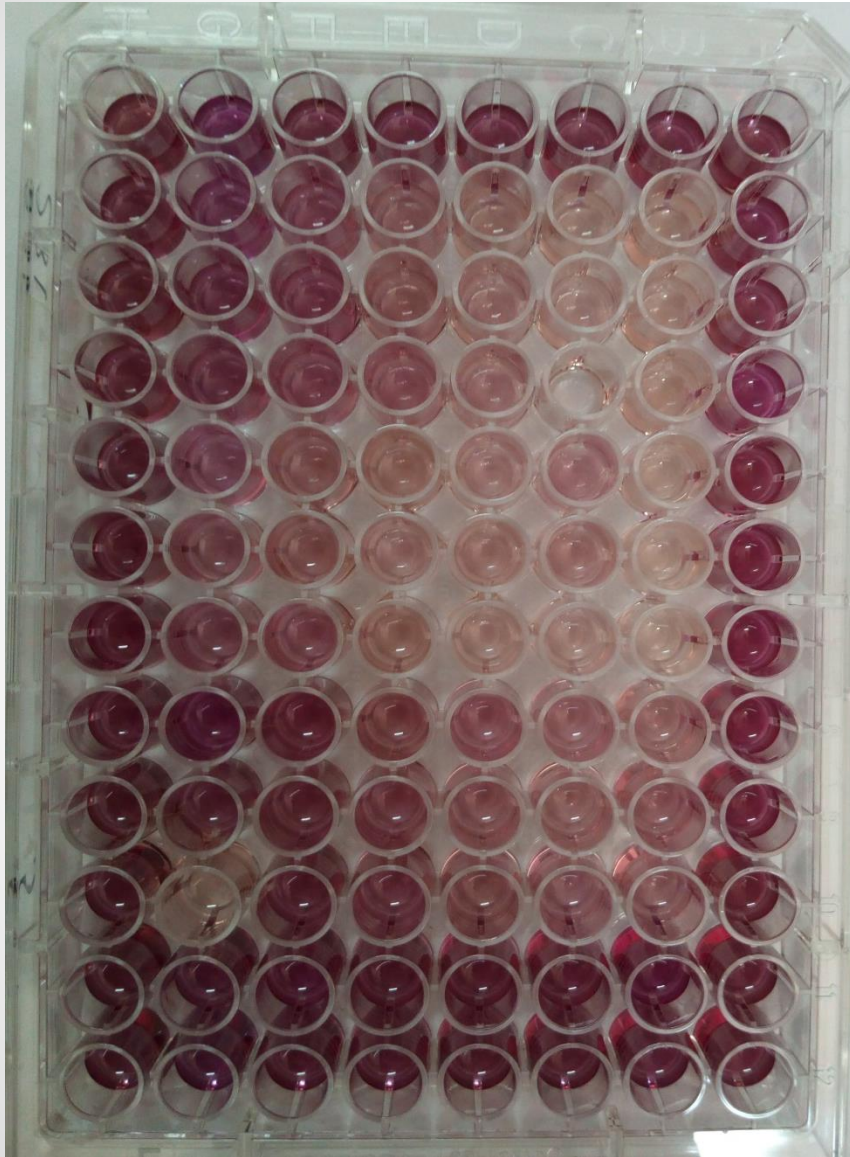


Fig. 3

Data analysis for plate no. 3

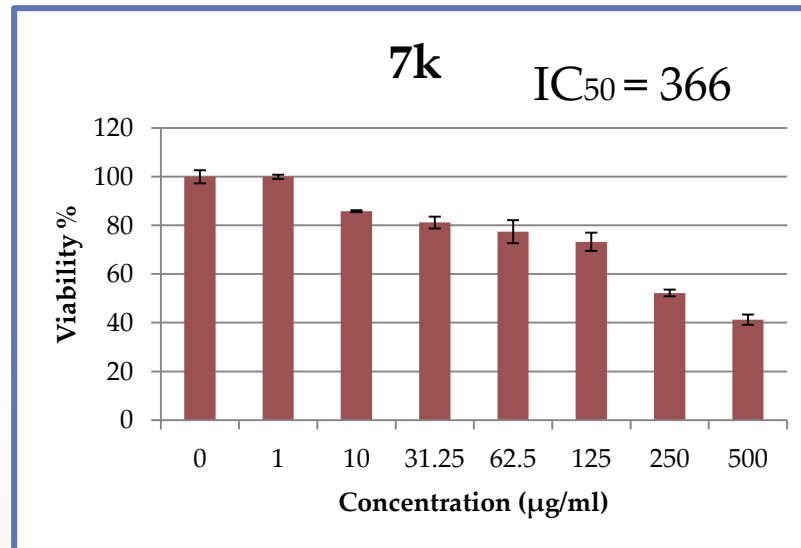
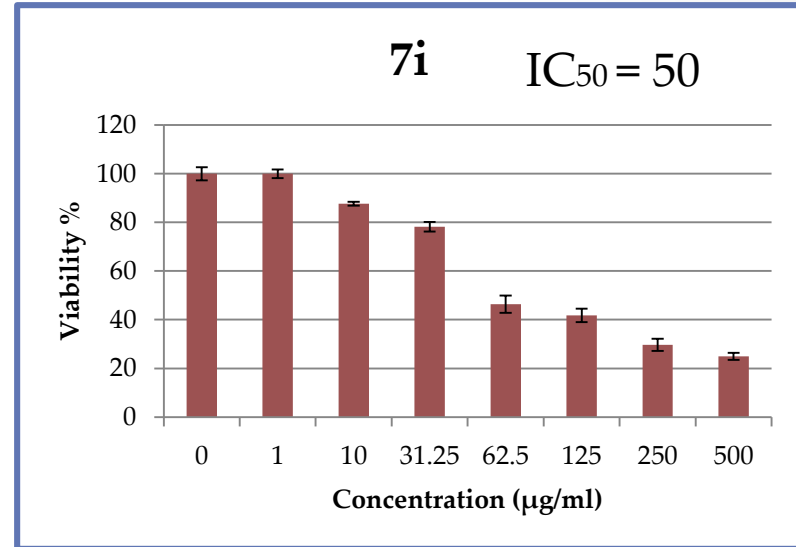
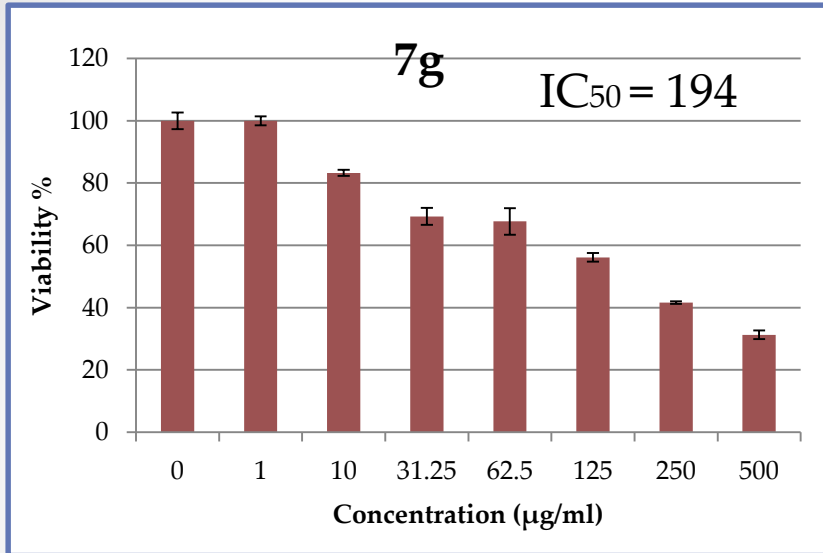


Plate no. 4

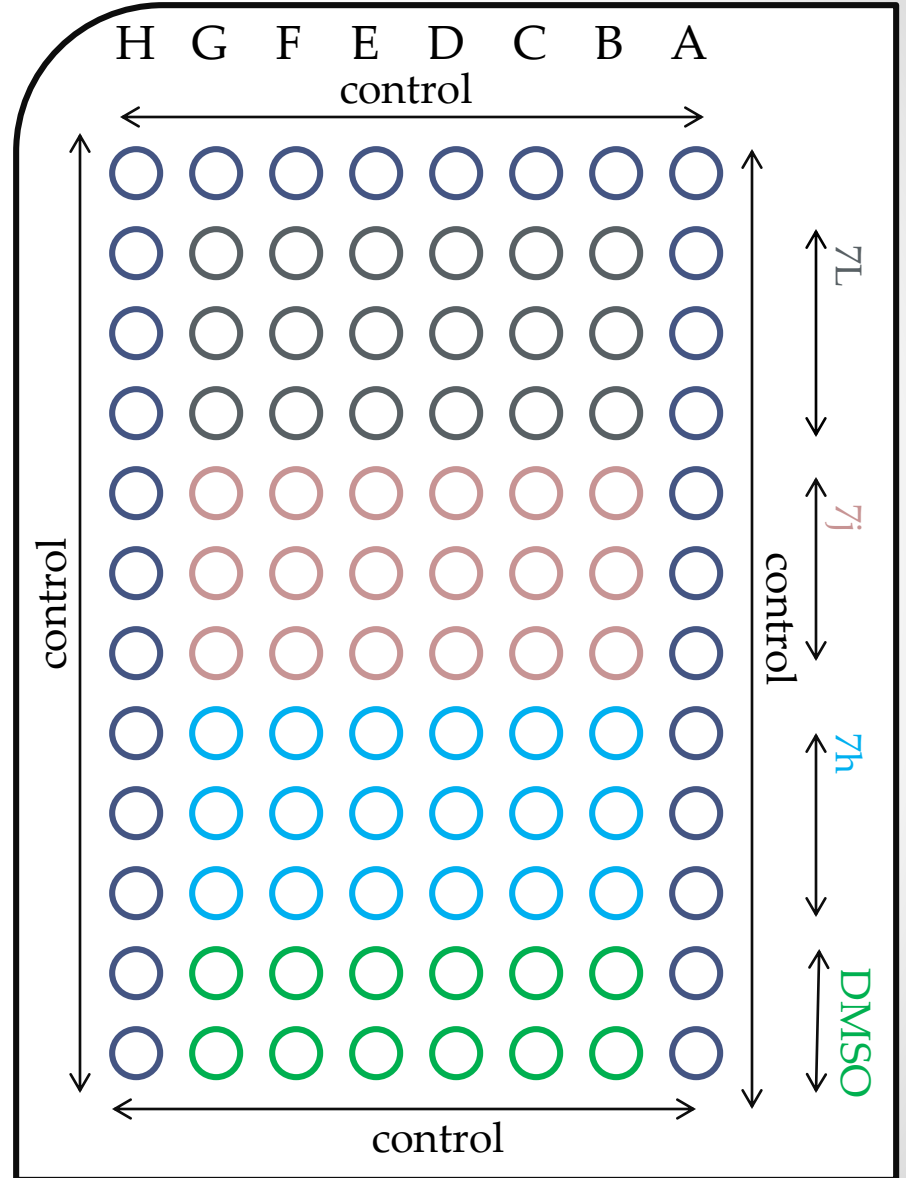
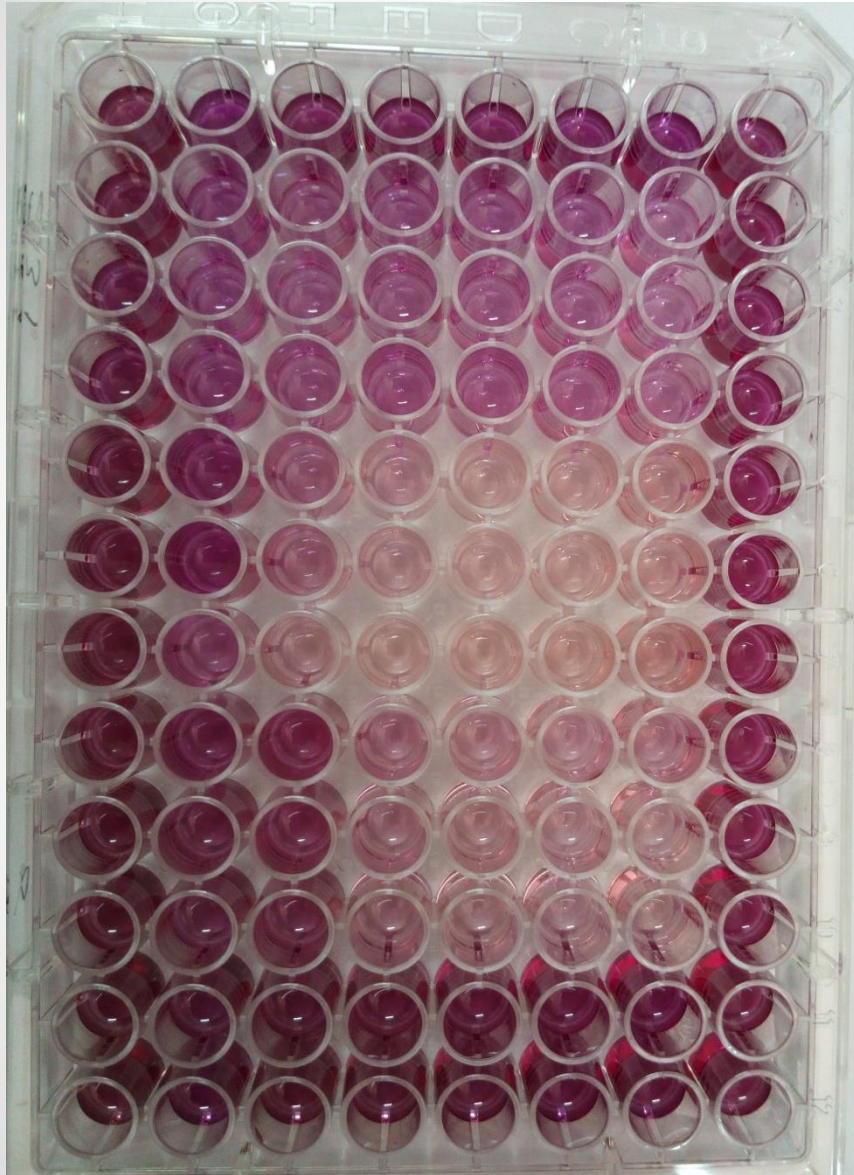


Fig. 4

Data analysis for plate no. 4

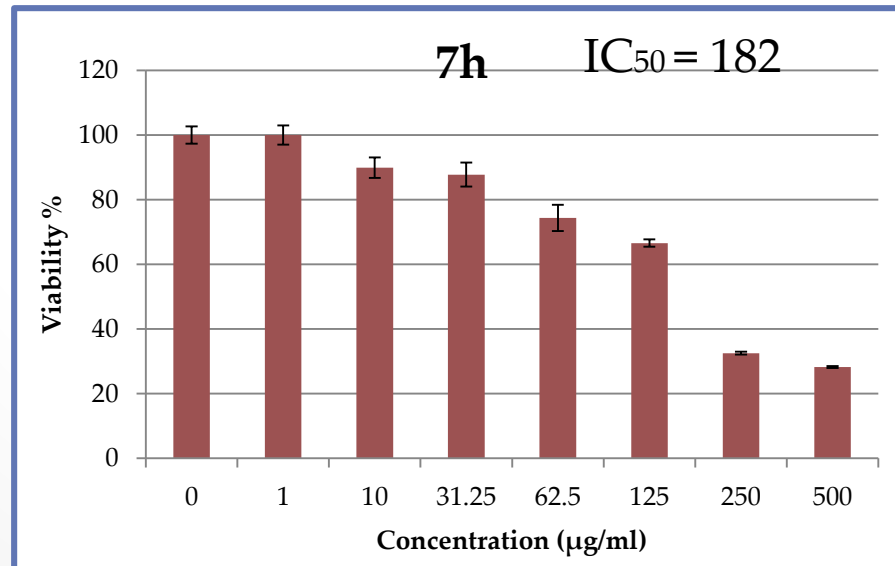
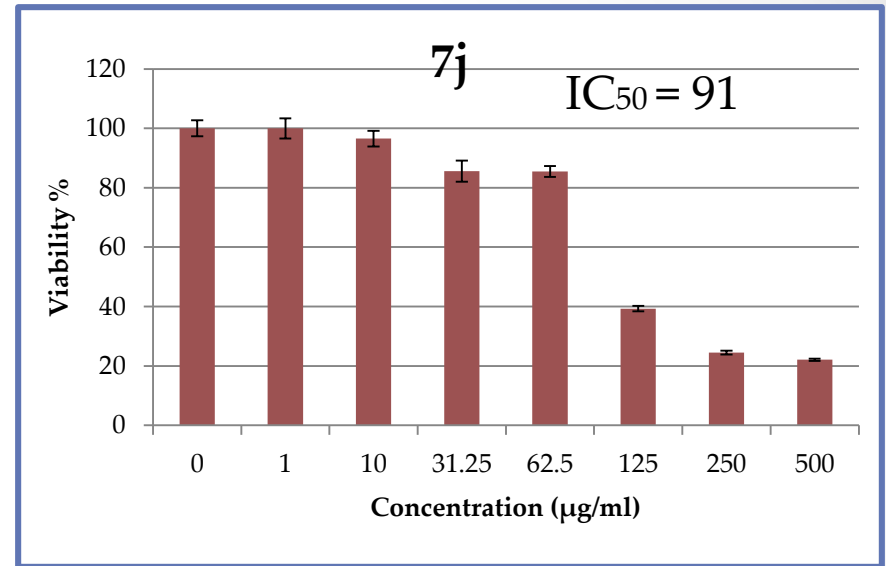
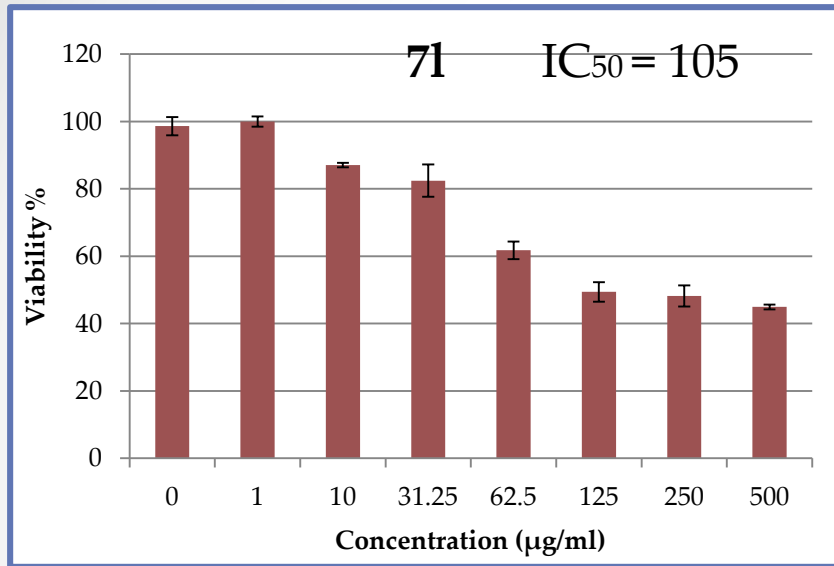


Plate no. 5

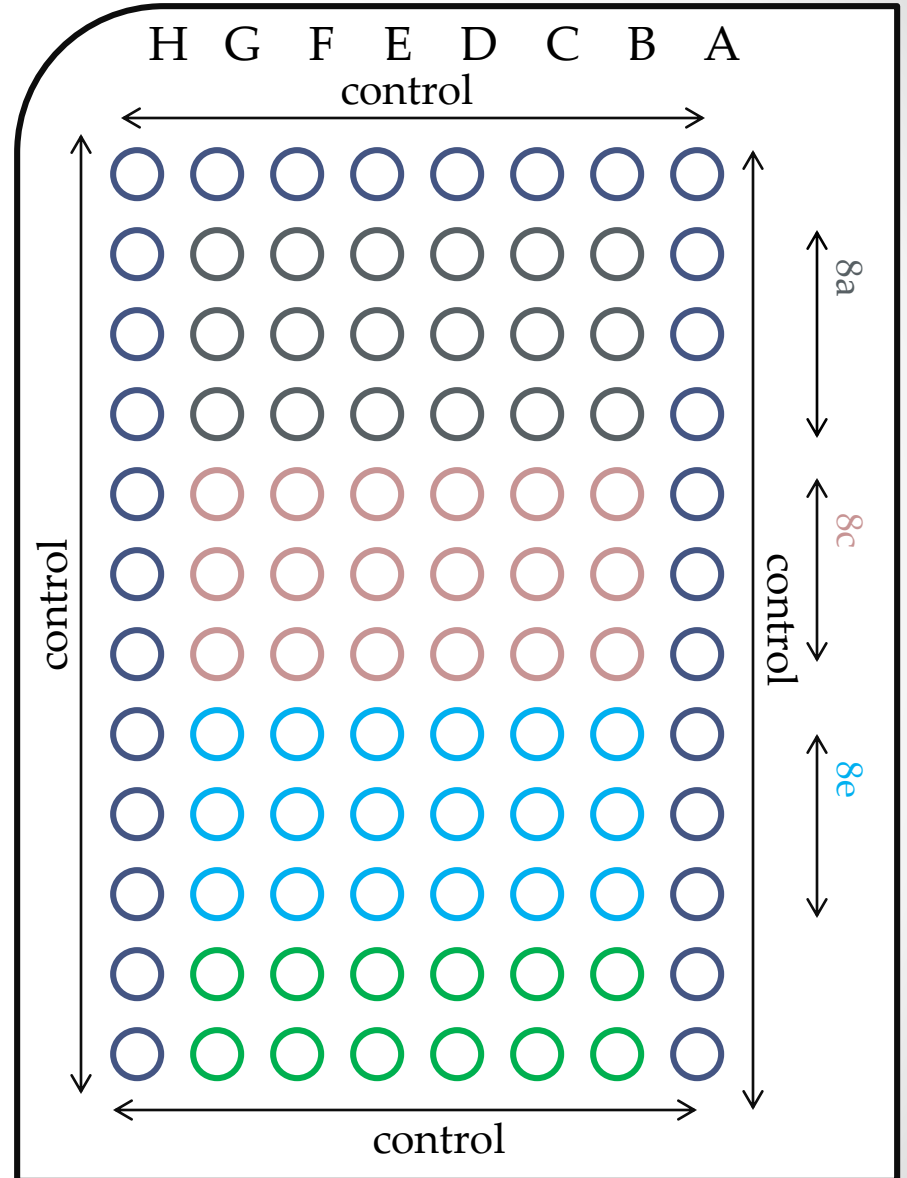
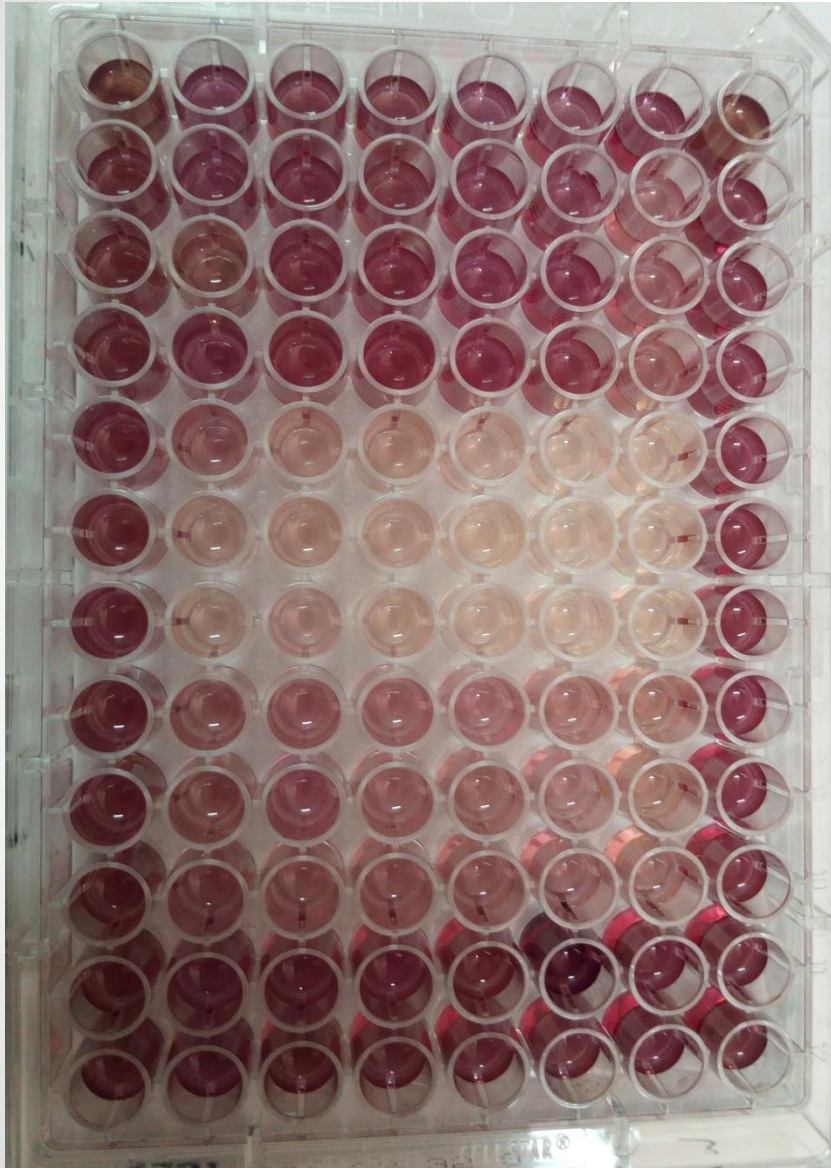


Fig. 5

Data analysis for plate no. 5

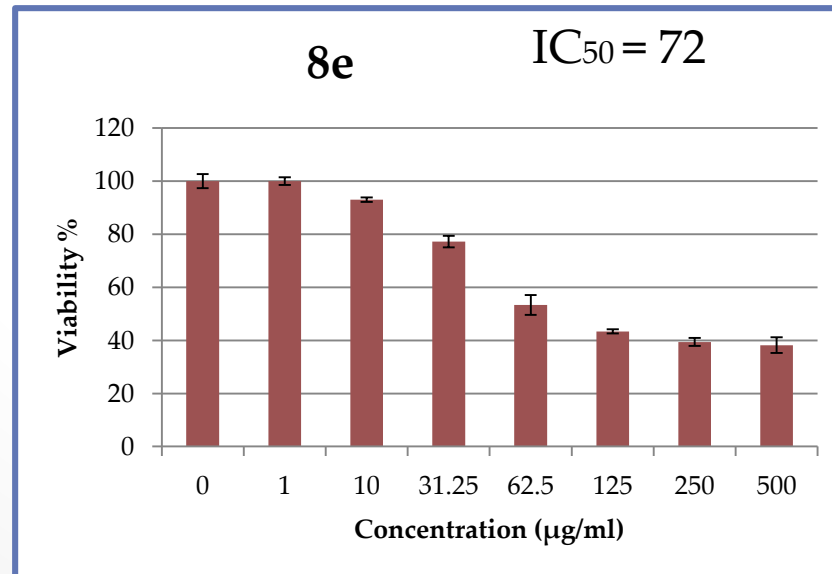
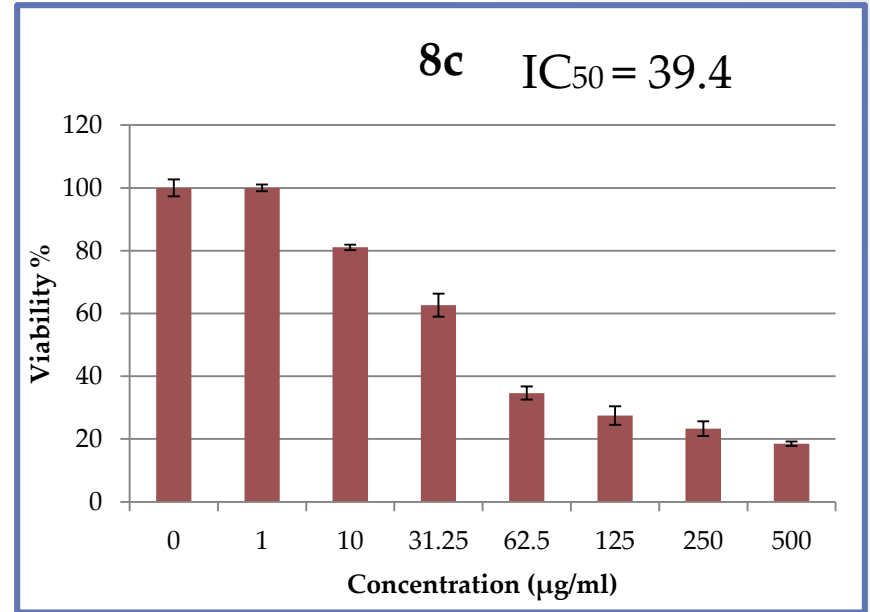
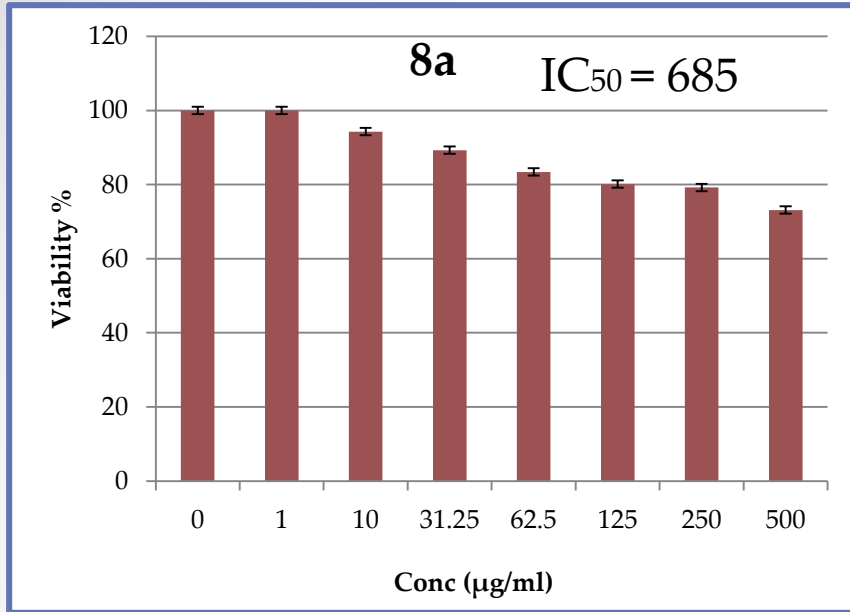


Plate no. 6

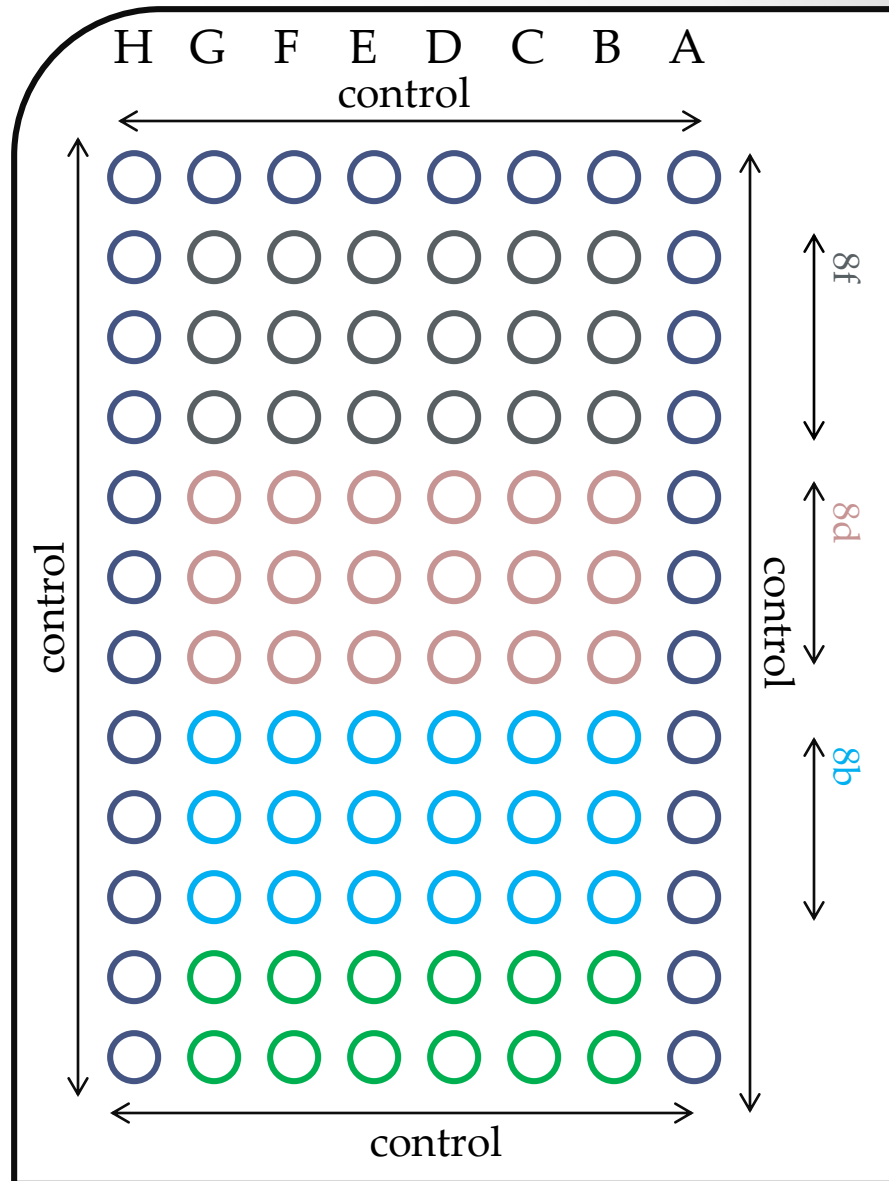
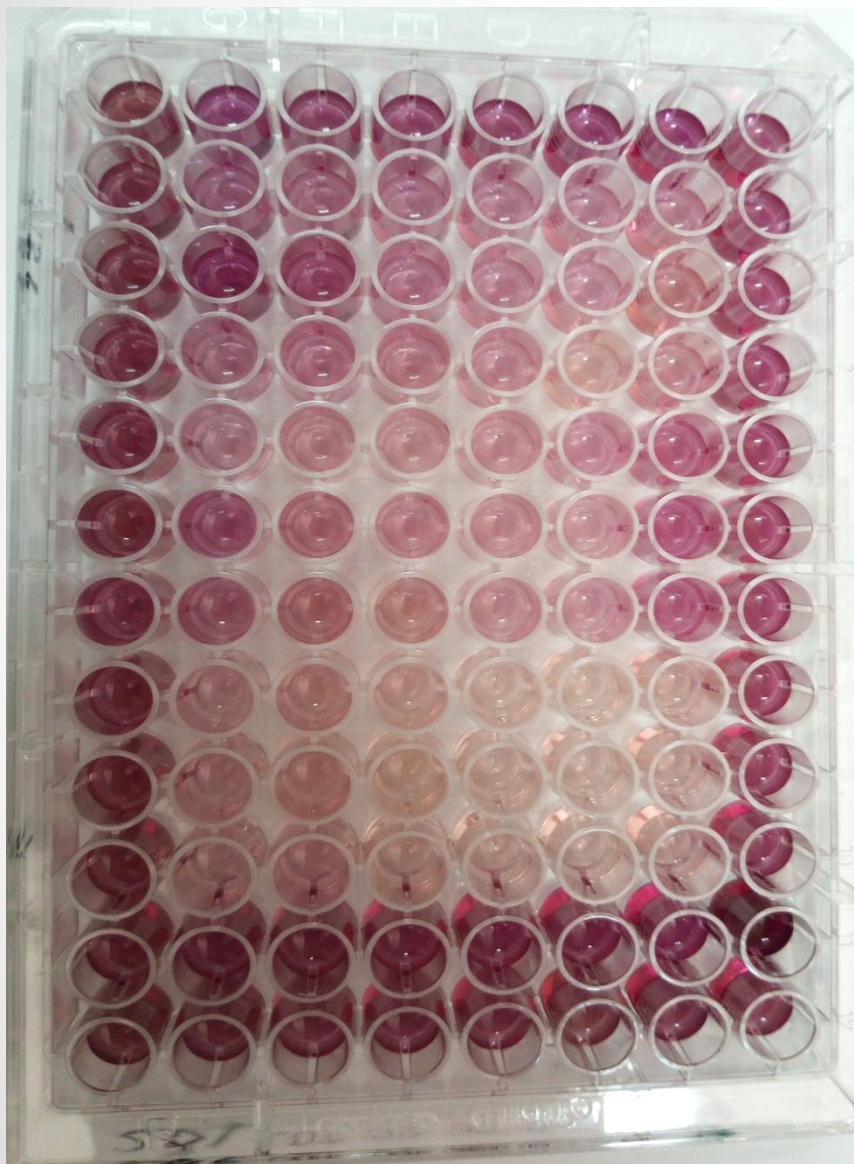
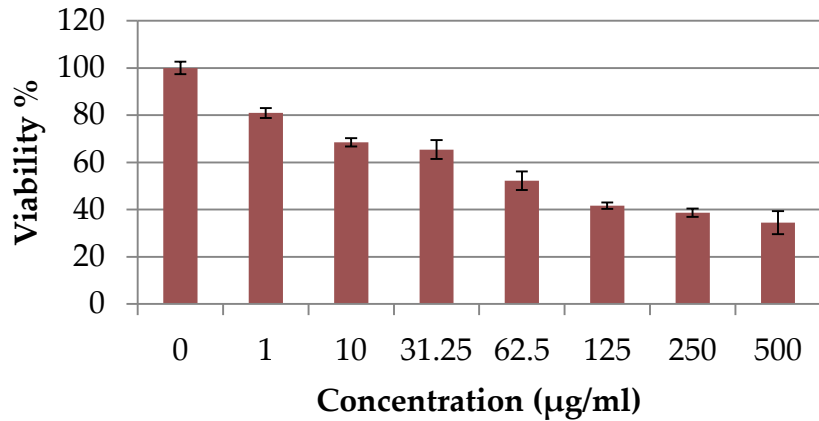


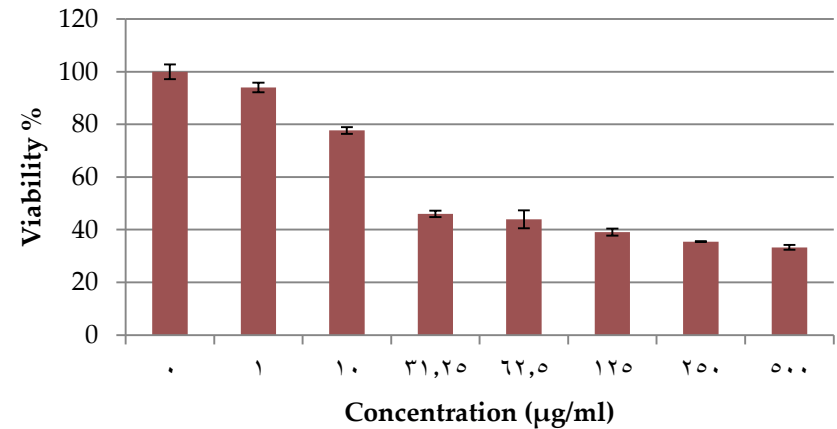
Fig. 6

Data analysis for plate no. 6

8f $IC_{50} = 72$



8d $IC_{50} = 12.48$



8b $IC_{50} = 43.4$

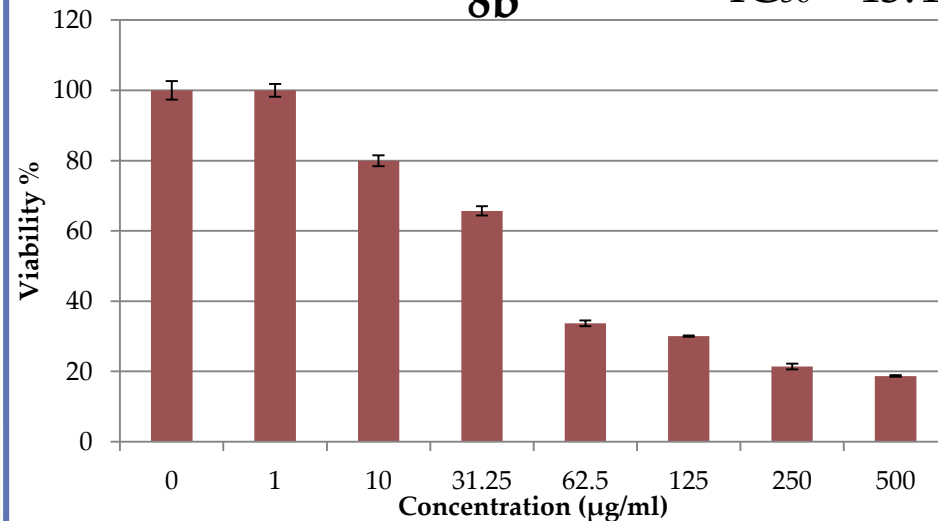


Plate no. 7

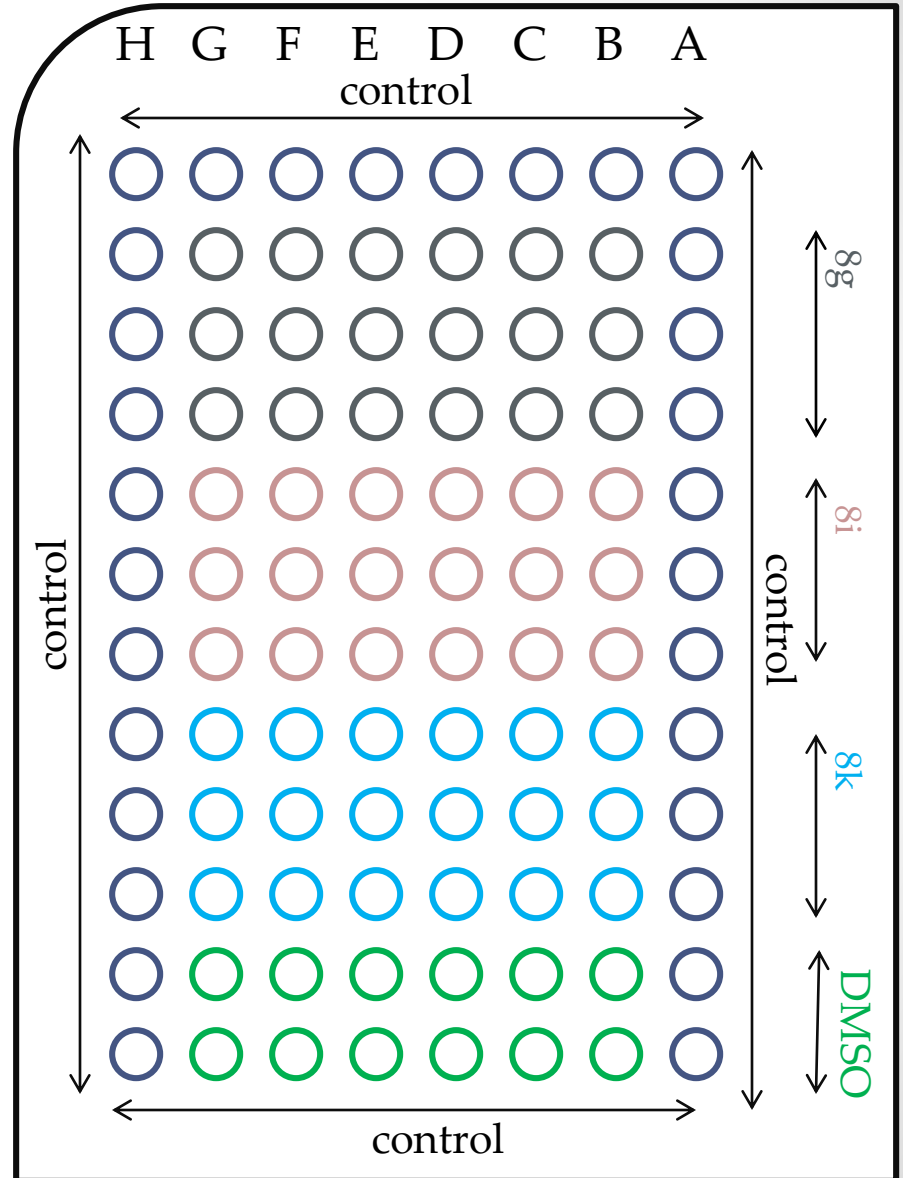
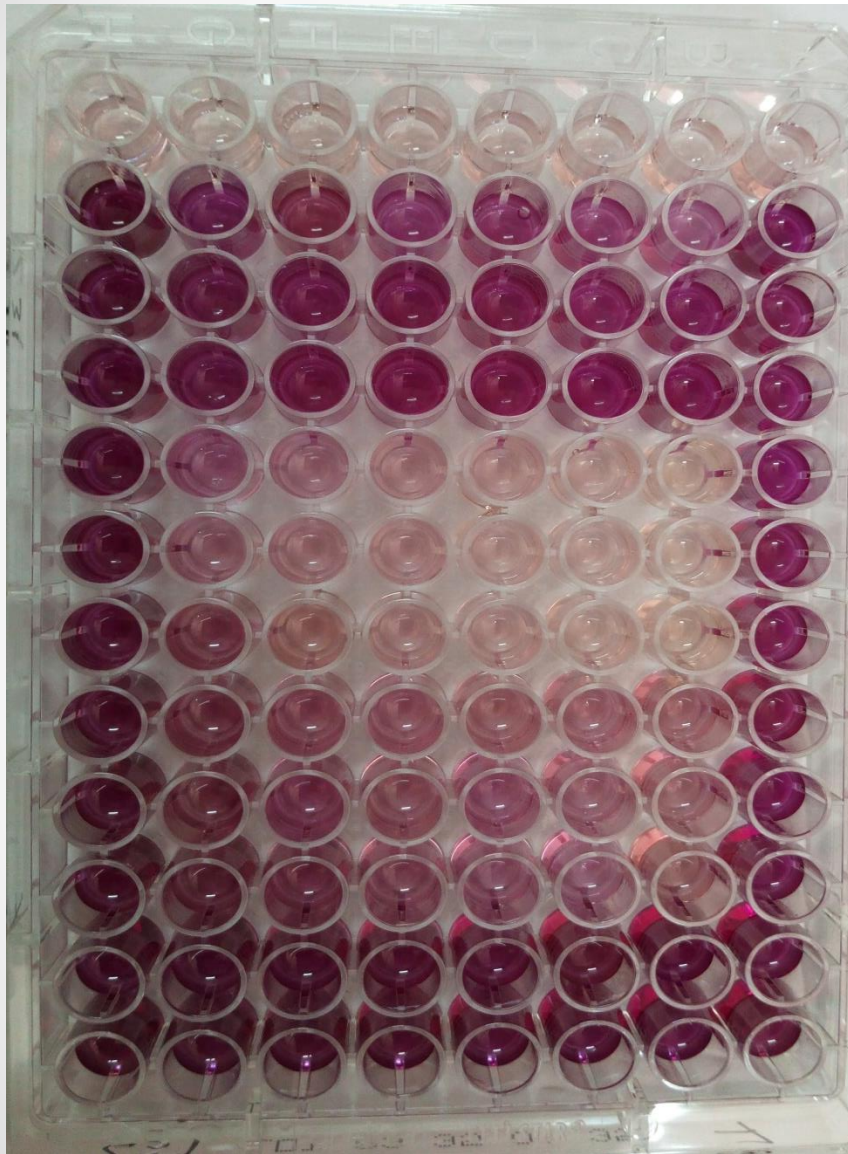


Fig. 7

Data analysis for plate no. 7

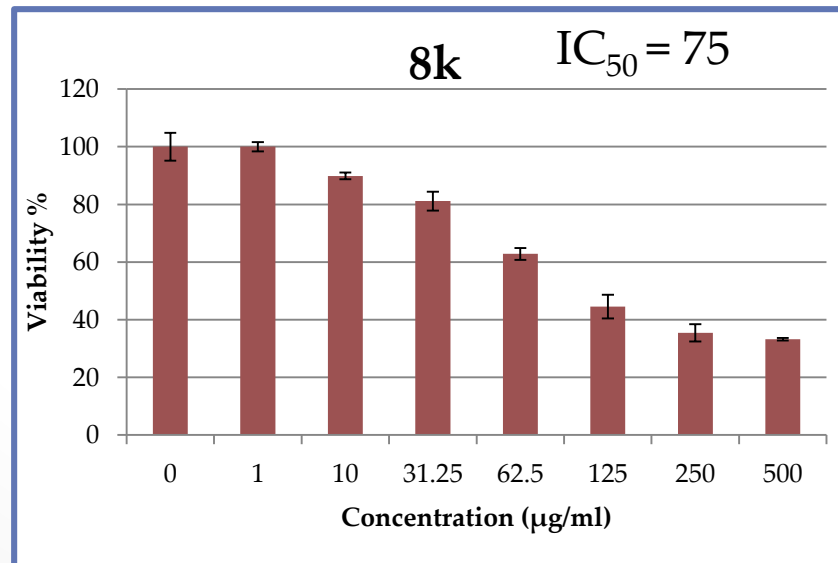
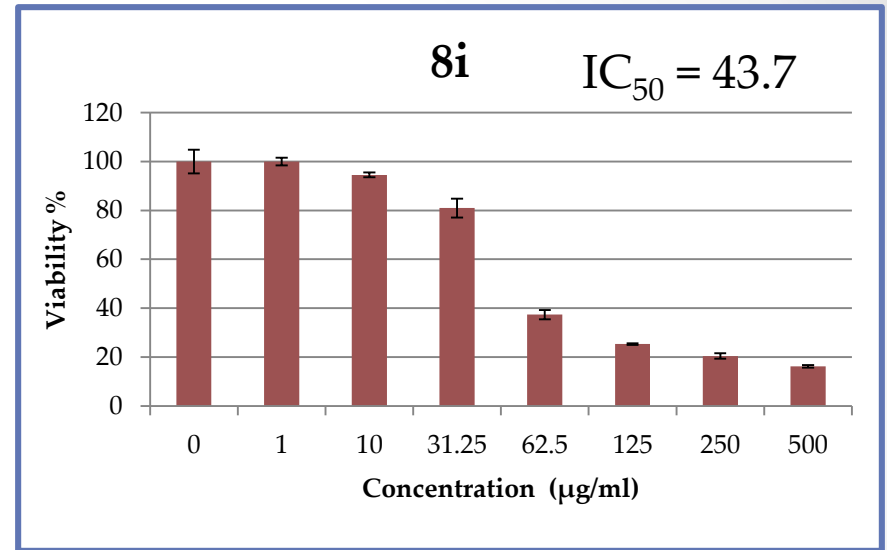
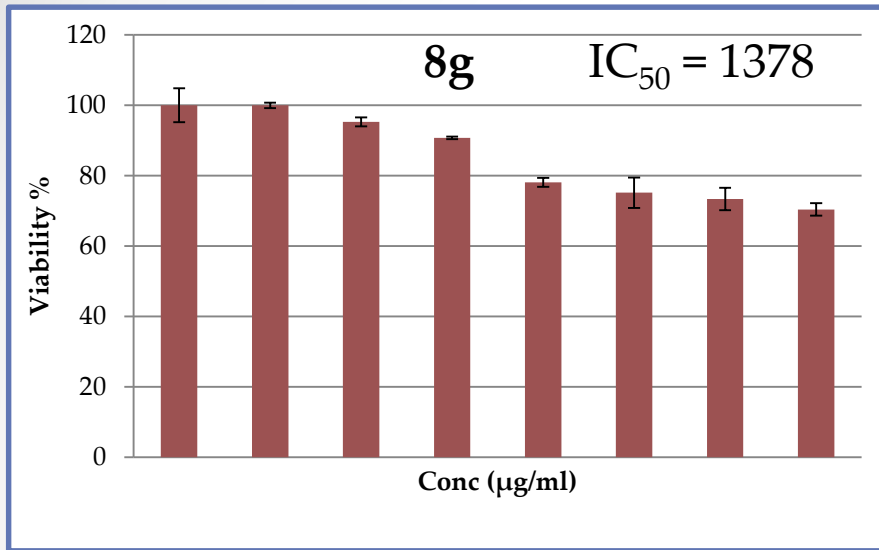


Plate no. 8

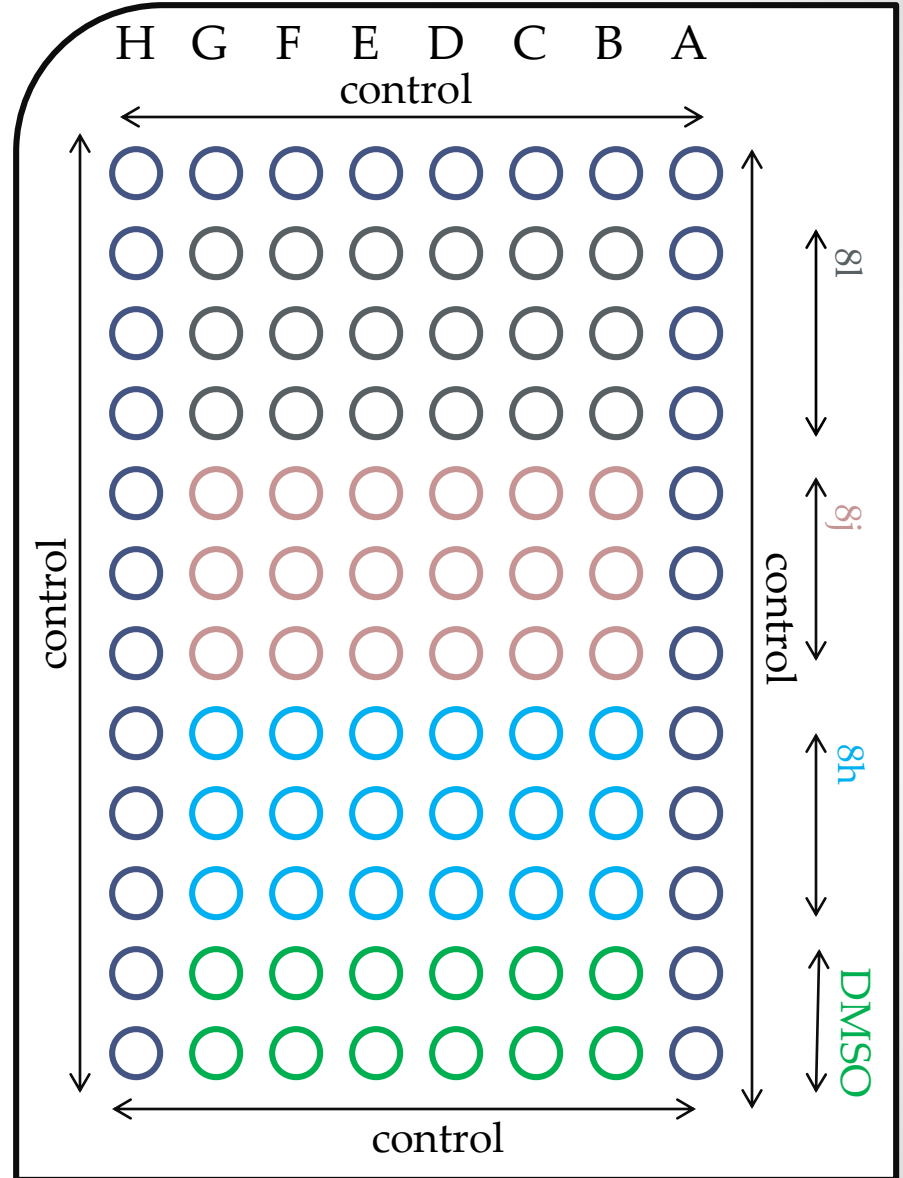
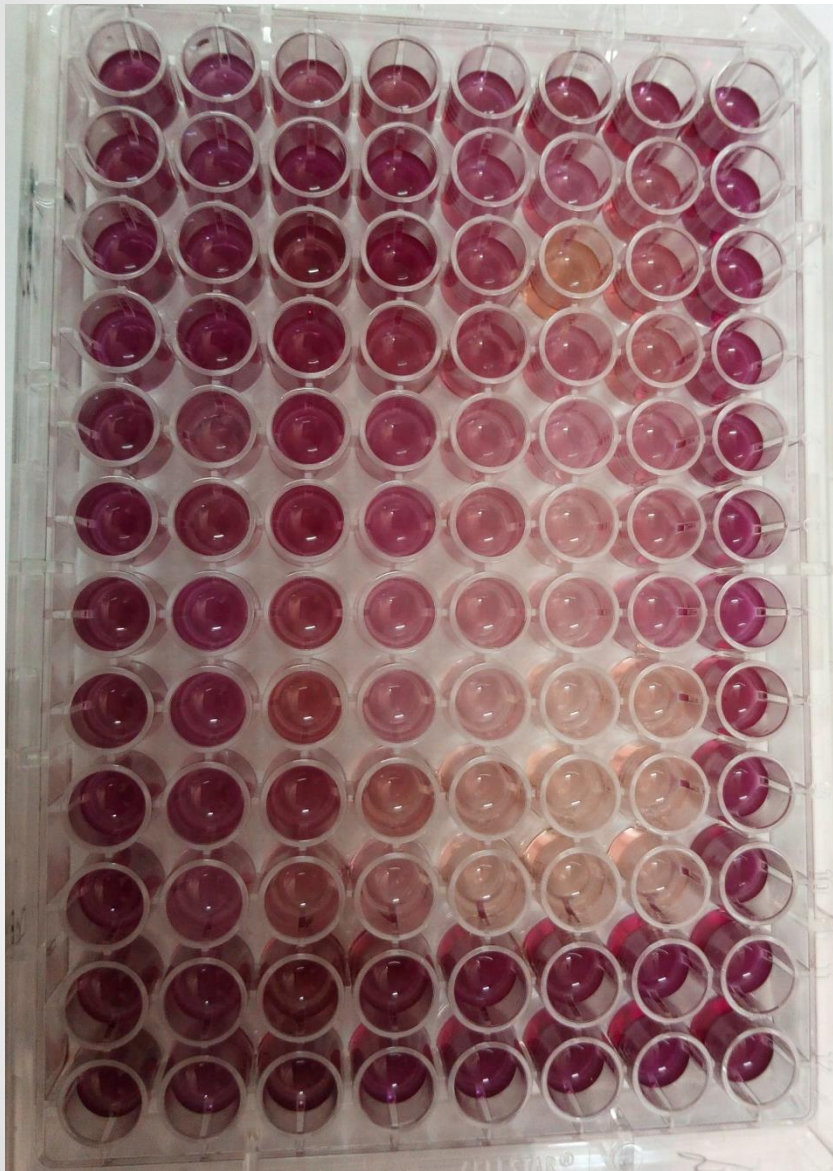


Fig. 8

Data analysis for plate no. 8

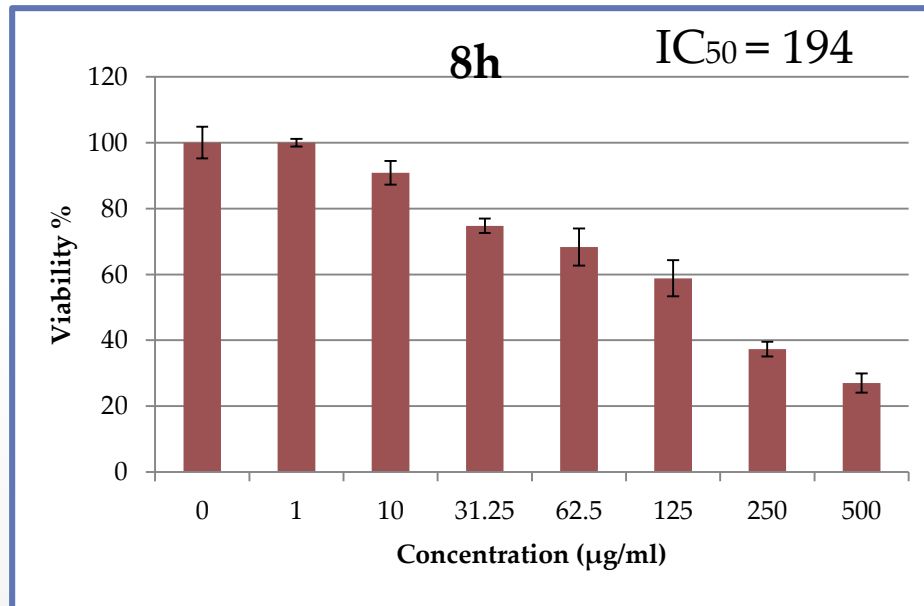
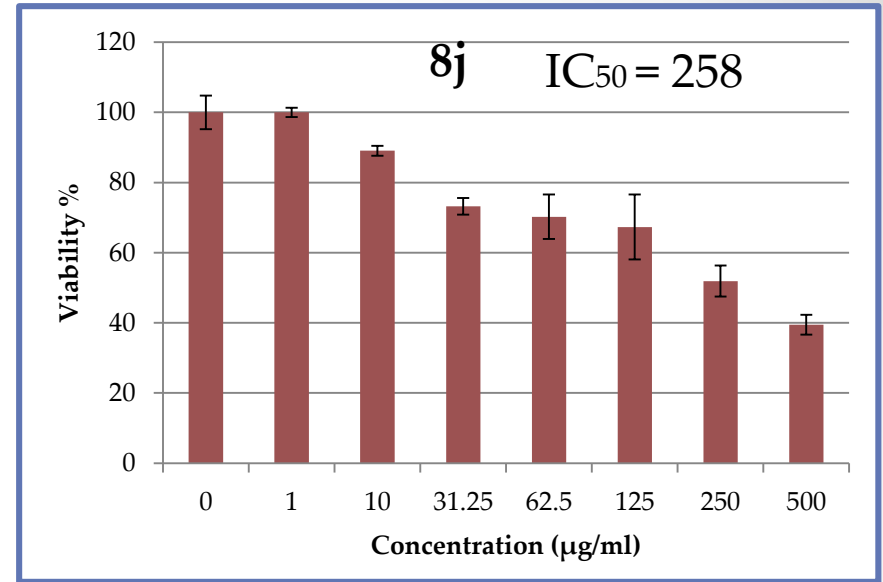
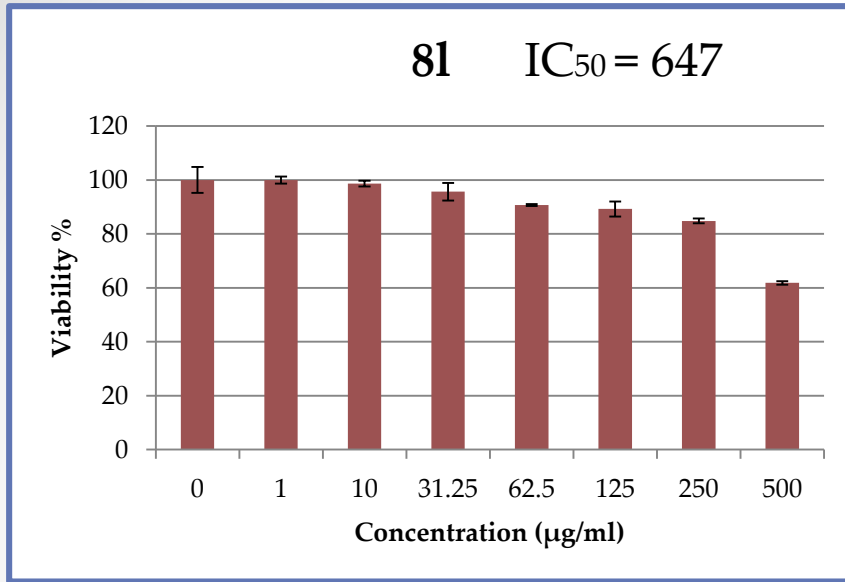


Plate no. 9

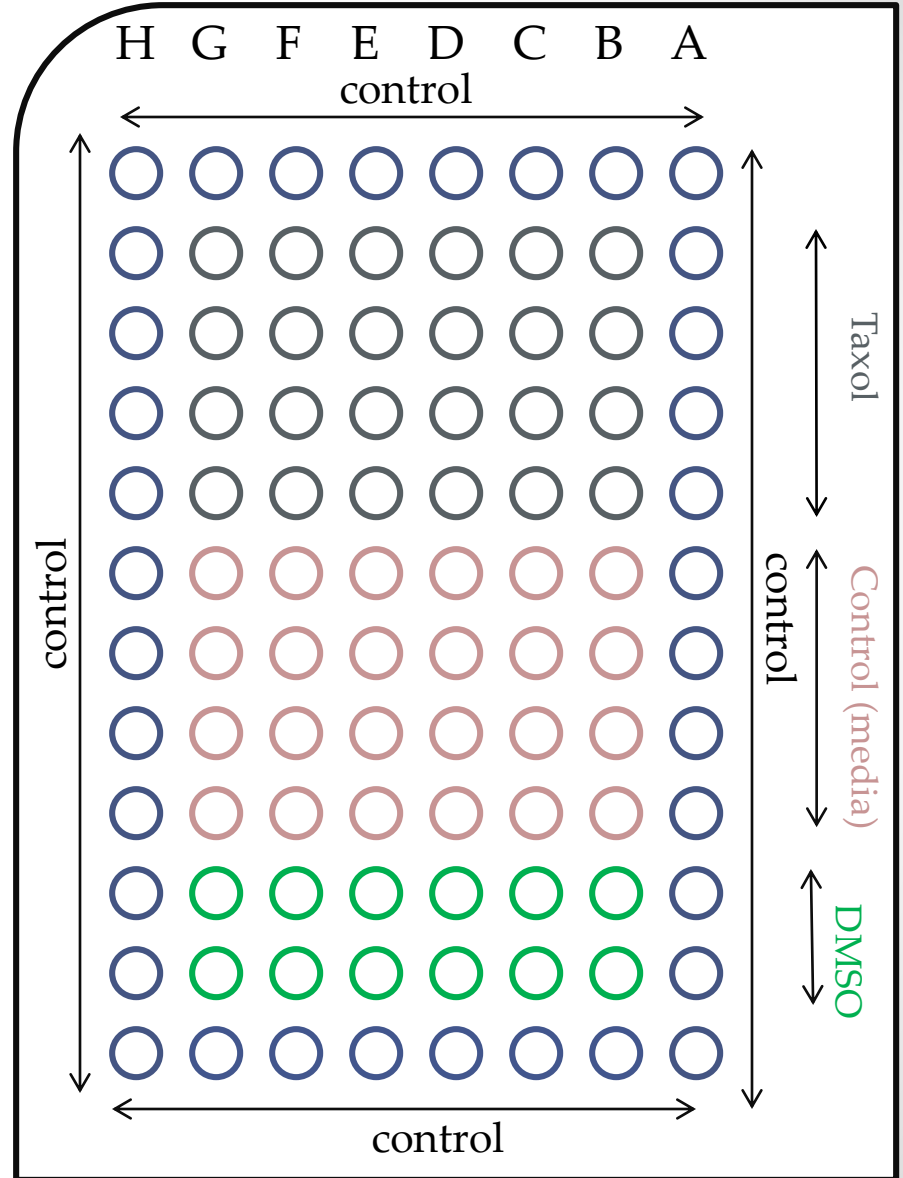
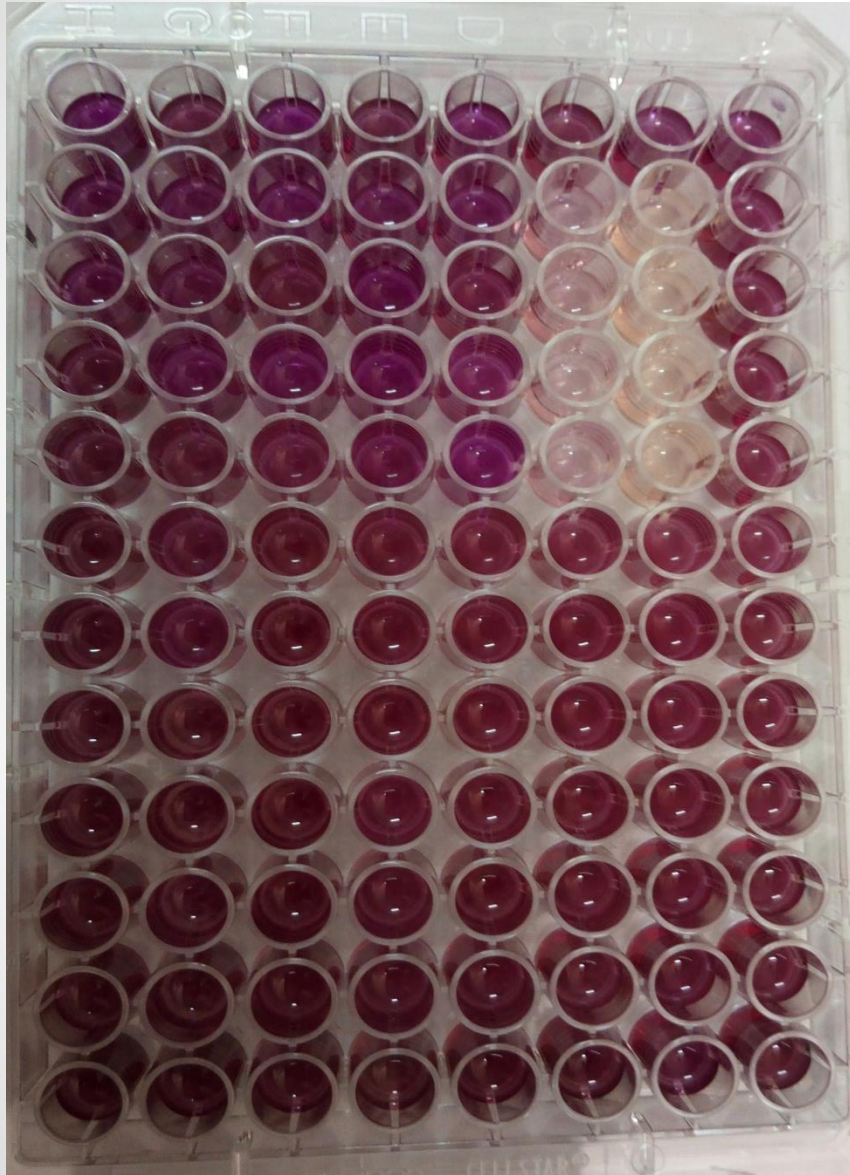


Fig. 9

Data analysis for plate no. 9

