

Cytotoxic Effects of ZnO and Ag Nanoparticles Synthesized in Microalgae Extracts on PC12 Cells

Giacomo Fais ^{1,2,†}, Agnieszka Sidorowicz ^{1,2,†}, Giovanni Perra ^{1,2}, Debora Dessì ³, Francesco Loy ⁴, Nicola Lai ^{1,2}, Paolo Follesa ³, Roberto Orrù ^{1,2,*}, Giacomo Cao ^{1,2,5} and Alessandro Concas ^{1,2,*}

¹ Interdepartmental Centre of Environmental Science and Engineering (CINSA), University of Cagliari, Via San Giorgio 12, 09124 Cagliari, Italy; giacomo.fais@unica.it (G.F.); sid.agnieszka@gmail.com (A.S.); giovanni.perra@unica.it (G.P.); nicola.lai@unica.it (N.L.); giacomo.cao@unica.it (G.C.)

² Department of Mechanical, Chemical and Materials Engineering, University of Cagliari, Via Marengo 2, 09123 Cagliari, Italy

³ Department of Life and Environmental Sciences, University of Cagliari, Cittadella Universitaria di Monserrato, Monserrato, 09042 Cagliari, Italy; deboradessi95@gmail.com (D.D.); paolo.follesa@unica.it (P.F.)

⁴ Department of Biomedical Sciences, Section of Cytomorphology, University of Cagliari, Cittadella Universitaria di Monserrato, Monserrato, 09042 Cagliari, Italy; floy@unica.it

⁵ Center for Advanced Studies, Research and Development in Sardinia (CRS4), Loc. Piscina Manna, Building 1, 09050 Pula, Italy

* Correspondence: roberto.orrù@unica.it (R.O.); alessandro.concas@unica.it (A.C.)

† These authors contributed equally to this work.

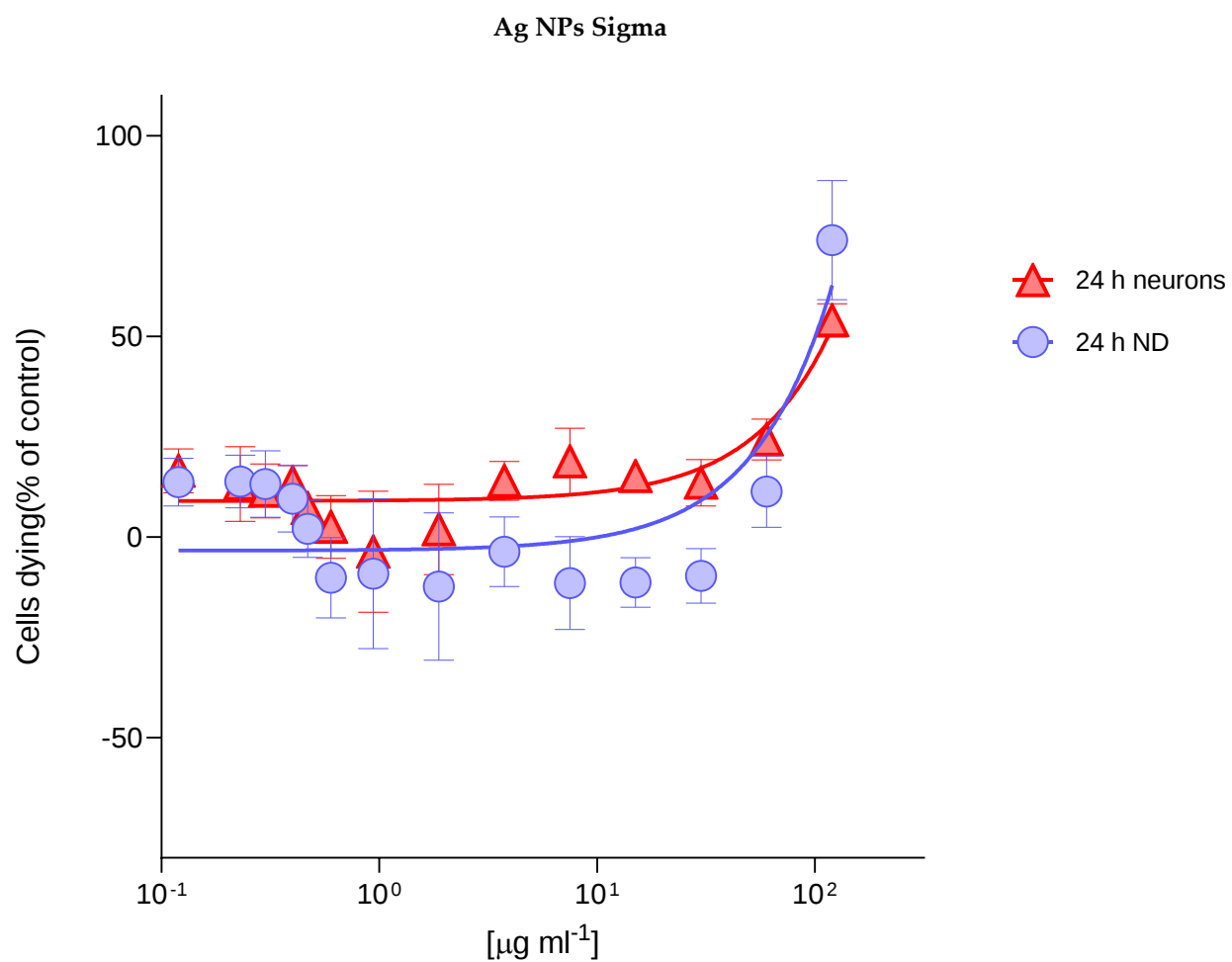


Figure S1. Comparison of Fits analysis demonstrates statistically significant differences among data sets ($P < 0.0001$), supporting the use of distinct curves for each set ($F(4, 160) = 11.80$).

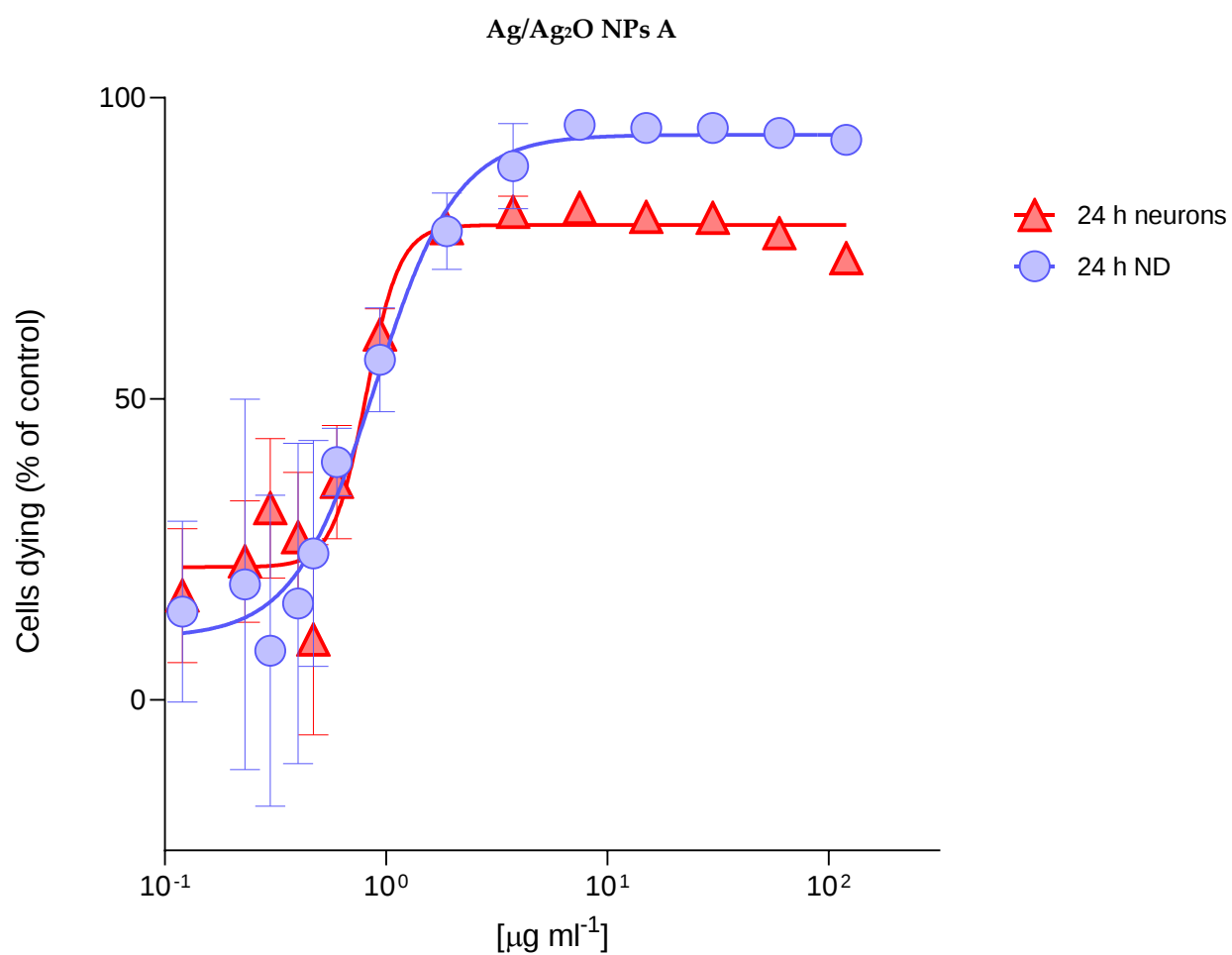


Figure S2. Comparison of Fits analysis indicates significant differences among data sets ($P < 0.0001$), favoring distinct curves for each set ($F(4, 160) = 8.09$).

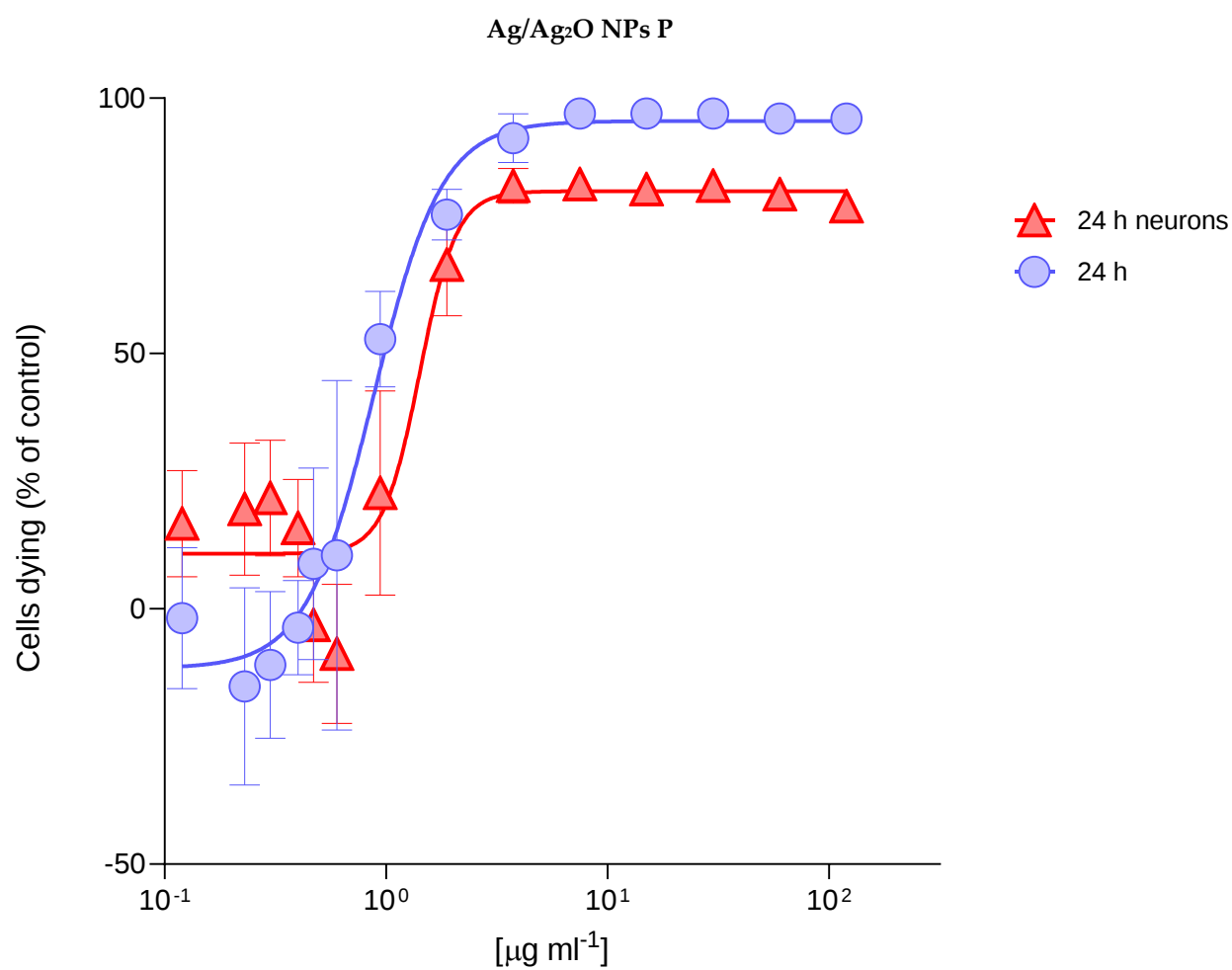


Figure S3. Comparison of Fits analysis reveals significant differences among data sets ($P < 0.0001$), supporting distinct curves for each set ($F(4, 160) = 18.73$).

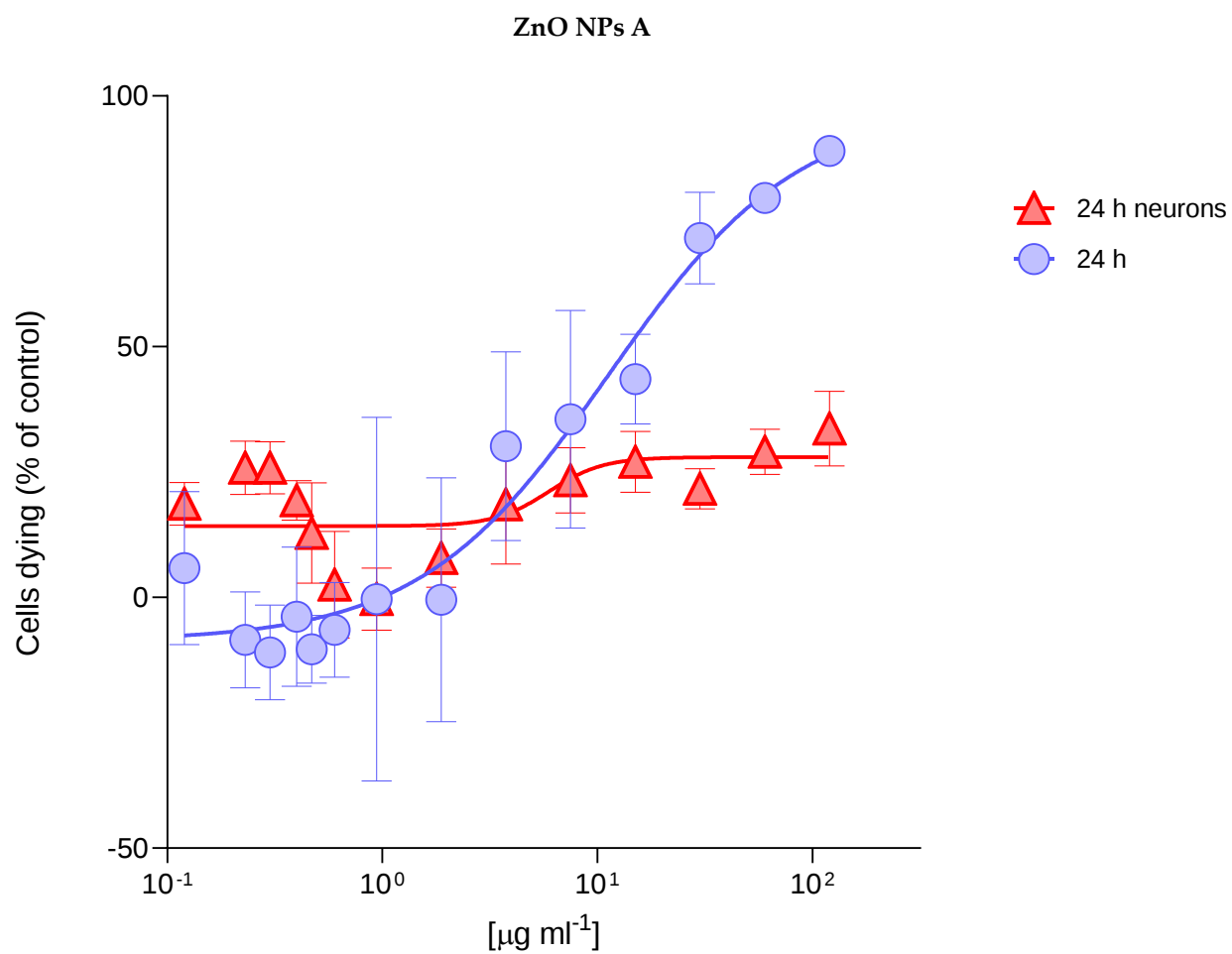


Figure S4. Comparison of Fits analysis shows highly significant differences among data sets ($P < 0.0001$), validating the use of distinct curves for each set ($F(4, 160) = 45.99$).

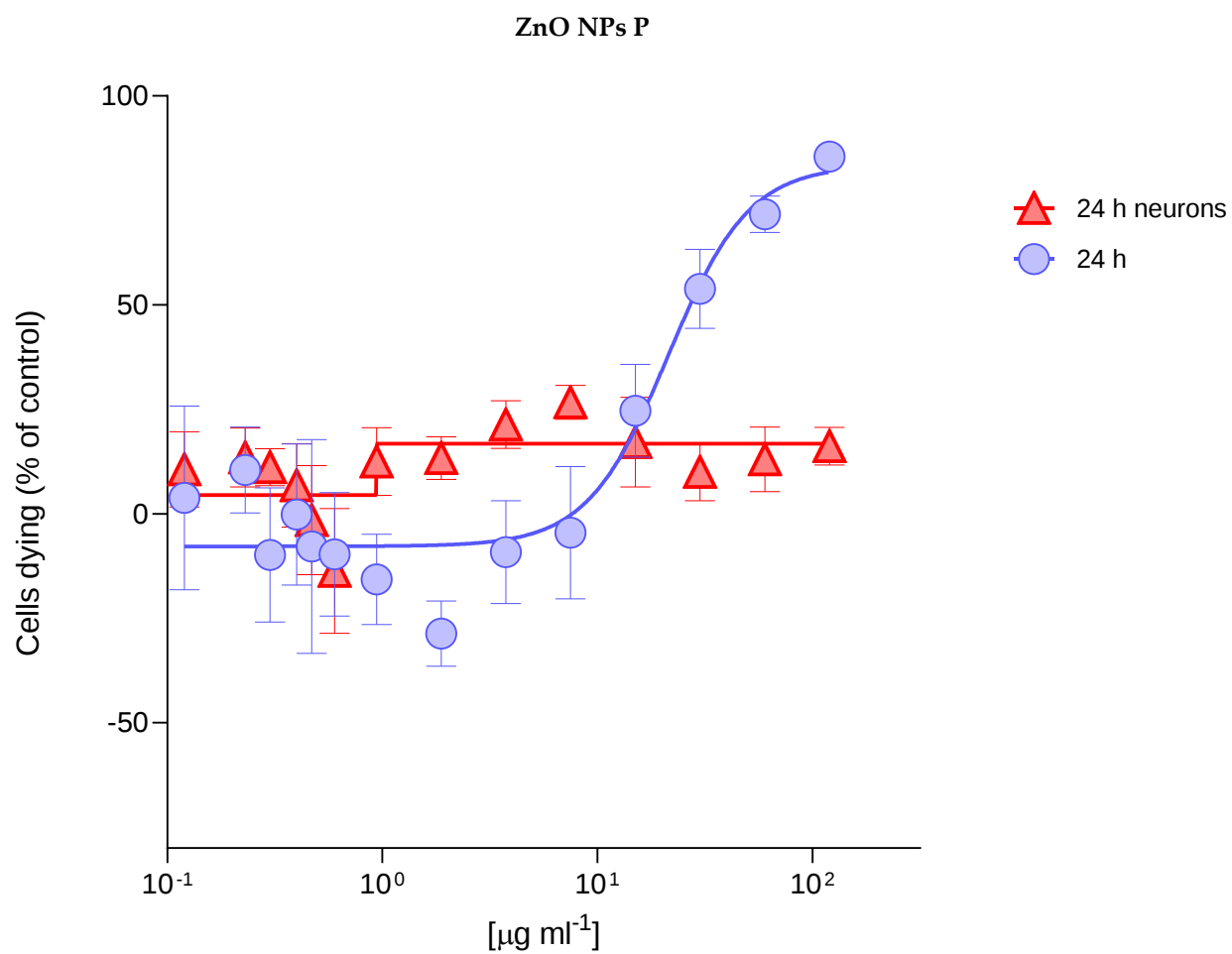


Figure S5. Comparison of Fits analysis confirms significant differences among data sets ($P < 0.0001$), supporting distinct curves for each set ($F(4, 160) = 53.27$).

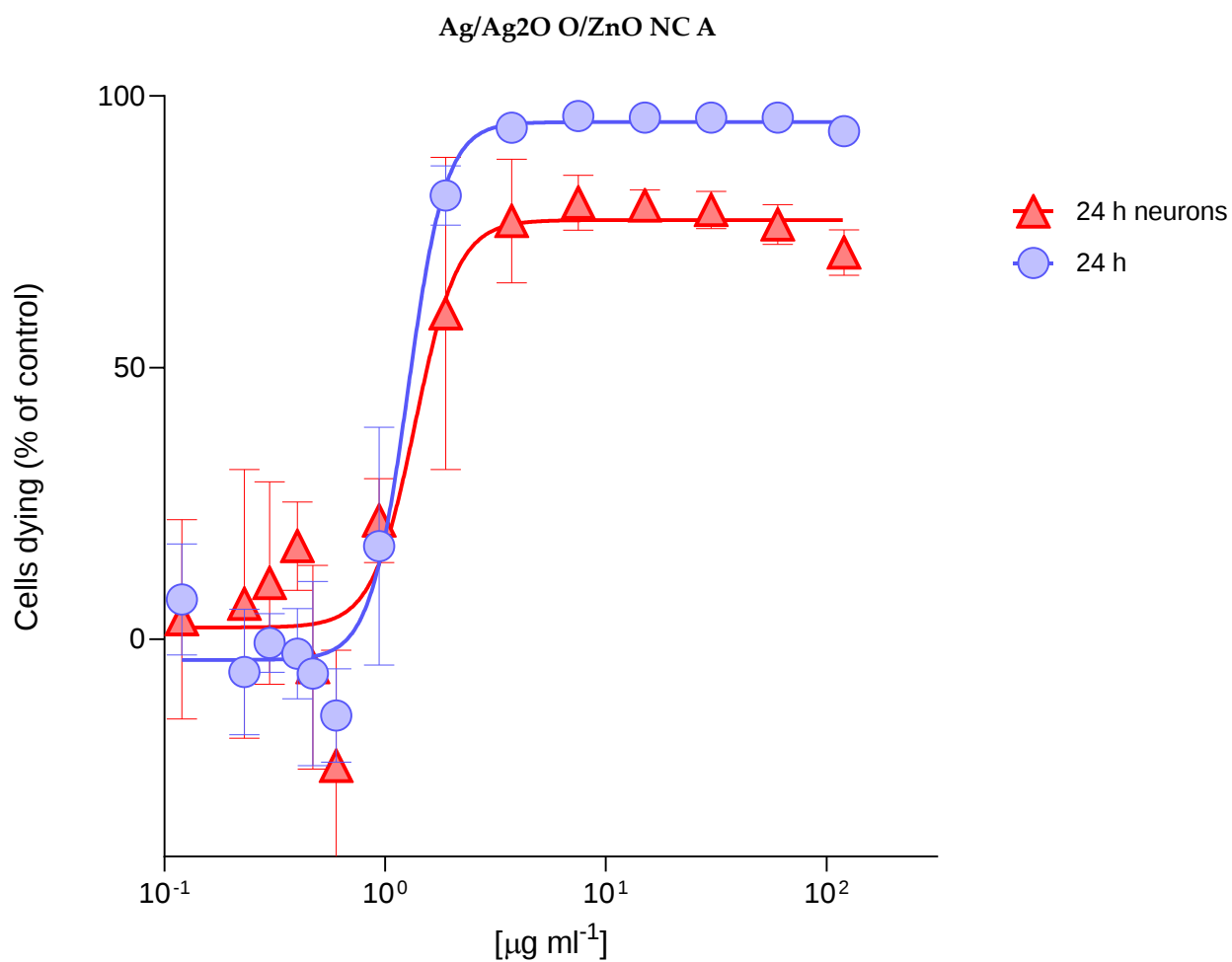


Figure S6. Comparison of Fits analysis demonstrates significant differences among data sets ($P < 0.0001$), favoring distinct curves for each set ($F(4, 160) = 9.831$).

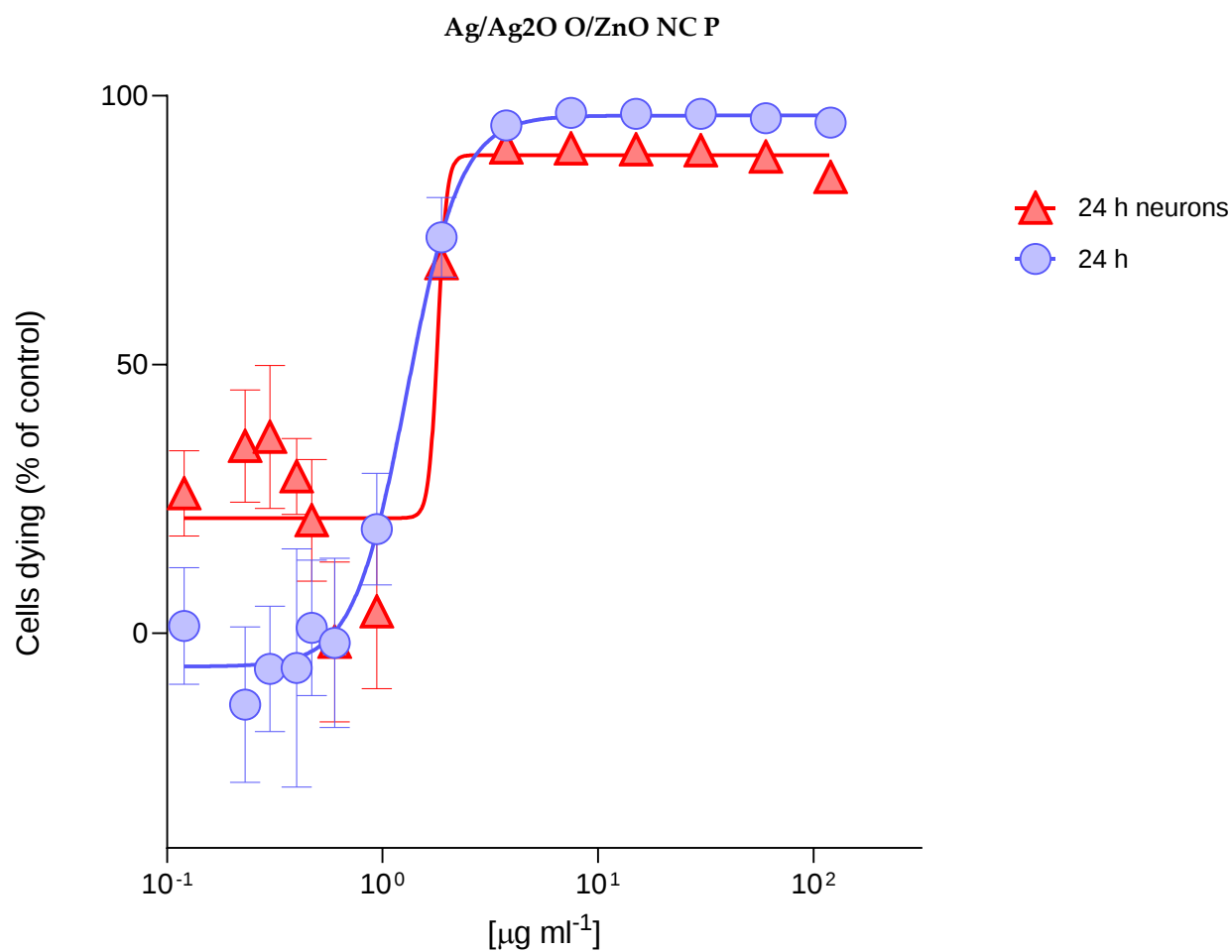


Figure S7. Comparison of Fits analysis reveals significant differences among data sets ($P < 0.0001$), supporting distinct curves for each set ($F(4, 160) = 26.76$).