

Article

Significant differences in the reversal of cellular stress induced by hydrogen peroxide and corticosterone by the application of mirtazapine or L-Tryptophan

Ana Salomé Correia ^{1,2}, Armando Cardoso ^{3,4,5} Nuno Vale ^{1,5,6,*}

¹ OncoPharma Research Group, Center for Health Technology and Services Research (CINTESIS), Rua Dr. Plácido da Costa, 4200-450 Porto, Portugal; anncorr07@gmail.com

² Institute of Biomedical Sciences Abel Salazar (ICBAS), University of Porto, Rua de Jorge Viterbo Ferreira, 228, 4050-313 Porto, Portugal

³ NeuroGen Research Group, Center for Health Technology and Services Research (CINTESIS), Rua Dr. Plácido da Costa, 4200-450 Porto, Portugal

⁴ Unit of Anatomy, Department of Biomedicine, Faculty of Medicine, University of Porto, Alameda Professor Hernâni Monteiro, 4200-319 Porto, Portugal

⁵ CINTESIS@RISE, Faculty of Medicine, University of Porto, Al. Prof. Hernâni Monteiro, 4200-319 Porto, Portugal

⁶ Department of Community Medicine, Information and Health Decision Sciences (MEDCIDS), Faculty of Medicine, University of Porto, Al. Prof. Hernâni Monteiro, 4200-319 Porto, Portugal

*Correspondence: nunovale@med.up.pt

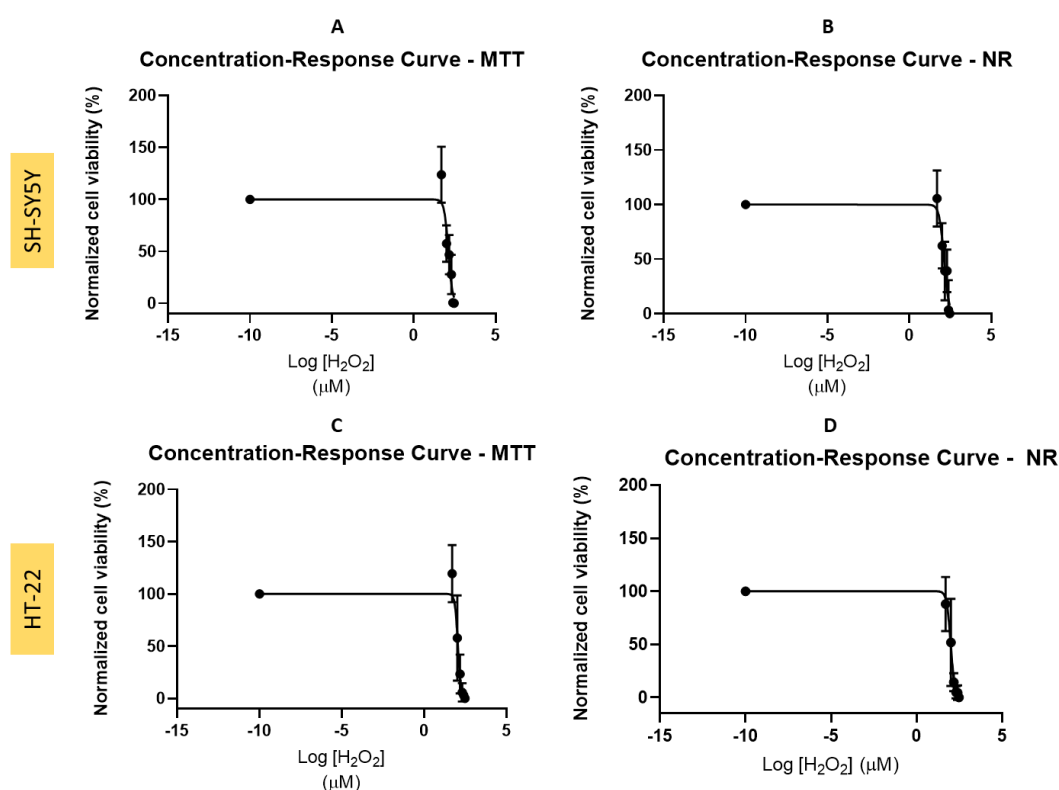


Figure S1. Concentration-response curves for increasing concentrations of H₂O₂ on the viability of (A, B) SH-SY5Y cells and (C, D) HT-22 cells, for a period 48h, obtained by (A, C) MTT and (B, D) NR assays. The results are expressed as the percentage of each respective vehicle and represent the mean ± SEM of 3-6 independent experiments.

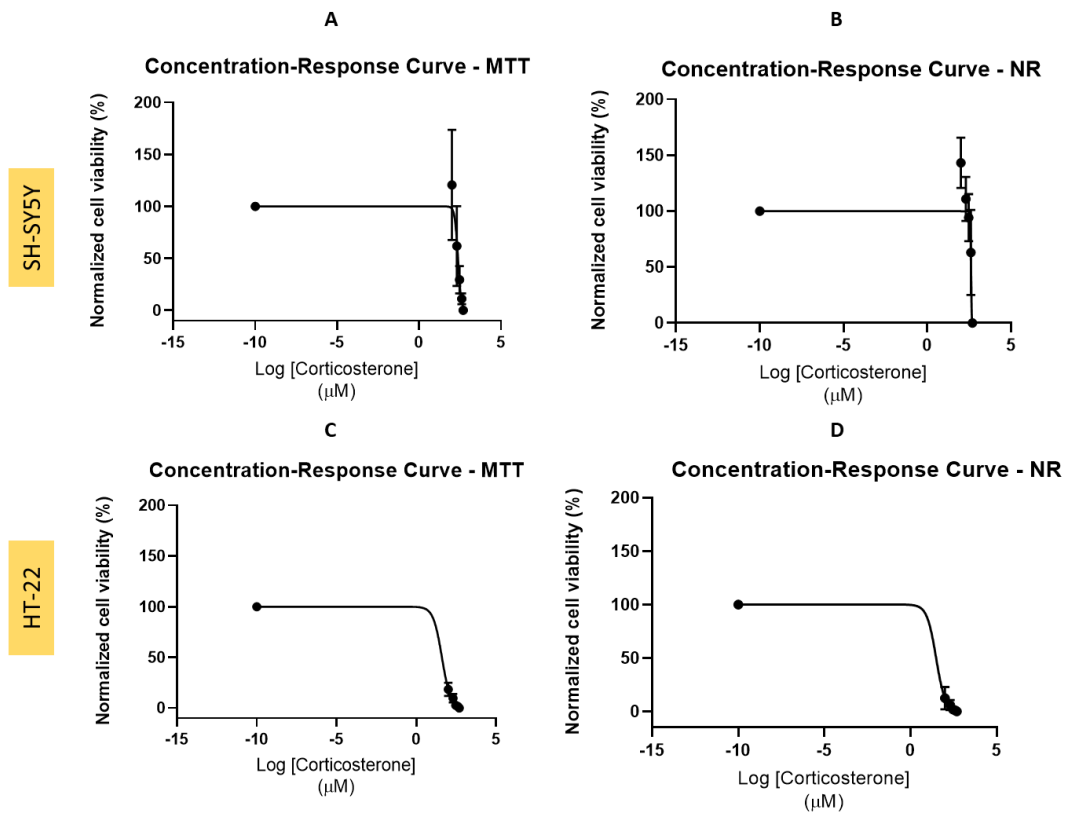


Figure S2. Concentration-response curves for increasing concentrations of corticosterone on the viability of (A, B) SH-SY5Y cells and (C, D) HT-22 cells, for a period 48h, obtained by (A, C) MTT and (B, D) NR assays. The results are expressed as the percentage of each respective vehicle and represent the mean \pm SEM of 3-6 independent experiments.