

# **Correlation between HSP90 Induction Kinetics in Murine Leukemia Cells and the Amount of Cisplatin over a Wide Range of Cytostatic Concentrations**

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The induction of HSP90 in murine erythroleukemia cells, clone F4 N, by *cisplatin* (DDP) was examined using indirect immunofluorescence and avidin-biotin technique, and compared with *cisplatin* cytotoxicity. A reverse dependence of HSP90 induction time was found on a wide range of *cisplatin* concentrations (0.5–10  $\mu\text{M}$ ), which proved to be cytostatic up to 48 h of continuous treatment. Thus, the observed induction pattern of HSP90 in F4 N cells strictly correlated with their high tolerance toward DDP. This indicates that HSP90 might be responsible, at least in part, for *cisplatin* resistance of F4 N cells.