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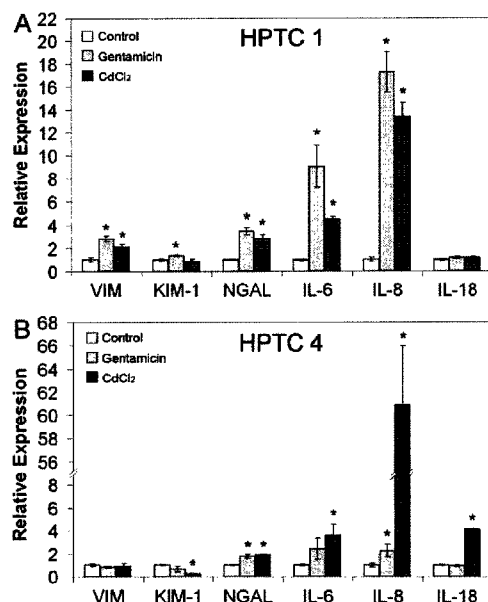
(54) Title: *IN VITRO* ASSAY FOR PREDICTING RENAL PROXIMAL TUBULAR CELL TOXICITY

FIGURE 1

(57) Abstract: There is provided an *in vitro* assay for screening a test compound for toxicity in renal proximal tubular cells. The method comprises contacting a test compound with a test population of renal proximal tubular cells; and determining the expression level of an interleukin in the test population, the interleukin being interleukin-6 (IL-6) or interleukin-8 (IL-8), or both. Expression levels of the interleukin in the test population being greater than expression levels in a control population of renal proximal tubular cells not contacted with the test compound is indicative that the test compound is toxic for renal proximal tubular cells.



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