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**RESULTS OF THE CYTOTOXICITY ASSAY ON BOSTON 'C' ON HL60  
LEUKEMIA CELL USING TRYPAN BLUE EXCLUSION ASSAY**

Assay Procedure:

Boston 'C', a liquid product was brought to the Mammalian Cell Culture Laboratory of the Institute of Biology, U.P. Diliman for testing for cytotoxicity against HL60, a leukemia cell line (ATCC). Since the product was a mixture of unknown compounds, it was tested in different dilutions and the percentage concentration which showed 50% inhibition of growth (IC<sub>50</sub>) of the cells was computed. Since the cell line is maintained as a suspension culture, Trypan blue exclusion assay and direct cell counting were done. Cells were incubated with the extract for 5 days at 10,000 cells per well in a 96 well plate. After 3 and 5 days, live cells which did not take in stain and dead cells which took in stain were counted. Percentage of the dead cells over the total number of cells were computed. These data were used in the computation of the IC<sub>50</sub>. Cells treated with dimethyl sulfoxide (DMSO), the solvent used for the extract was the negative control.

**Results:**

**After 3 days: no IC 50 could be computed**

**After 5 days: IC 50 = 0.175%**

Performed by:

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