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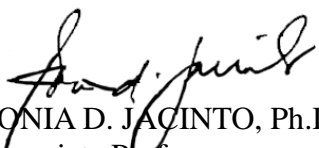
**RESULTS OF THE CYTOTOXICITY ASSAY ON BOSTON 'C' ON MCF7  
BREAST CARCINOMA USING MTT**


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 **MCF7**, a **human breast carcinoma 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. The cell line different dilutions of the extracts in a 96 well plate for 72 hours. Thereafter, MTT was added and the cells were incubated further for 4 hours. Dimethyl sulfoxide (DMSO) was added and the color change based on the number of live cells was read at 570 nm with an ELISA plate reader. Cells treated with DMSO, the solvent used for the extract, was the negative control.

**Results: IC 50 = 0.175%**

Performed by:

  
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