Numerous studies have documented the toxicity of Bisphenol A (BPA).

The western blotting showed increased levels of tyrosine hydroxylase, which is involved in dopaminergic system. Tyrosine hydroxylase catalyses the conversion of L-tyrosine to L-DOPA. L-DOPA formation is the rate-determining step in the synthesis of dopamine.

The highest level of cell death occurred with BPA treated stem cells. ANOVA tests showed statistically significant cell death at only 50 µM.

The greatest toxicity was observed with 1µM BPA. However, leading concerns for human health have been increasing, yet its toxicity is still relatively unknown.

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