

Breast Cancer Cells and Normal Cells Study

Facility: University of Central Oklahoma, (UCO)

Lead investigator: Dr. Wei R. Chen, UCO's assistant Dean of Mathematic & Science

Email: wrcchen7@gmail.com

Solution used: Earth Science Tech, Inc. (ETST) Full Spectrum Crude/Unfiltered Cannabinoids derived naturally procuring from industrial hemp plants.

Study type: Preliminary Test

Report and Effects of ETST's High Grade Full Spectrum Cannabinoids on Breast Cancer Cells and Normal Cells

A. Objectives:

This purpose of this experiment is to investigate the effects of ETST's High Grade Full Spectrum Cannabinoids on animal breast cancer cells and on normal cells.

B. Results:

B.1. Dose dependence of growth inhibition by ETST's High Grade Full Spectrum Cannabinoids EMT6 breast cancer cell were incubated with different concentrations of CBD (0, 2.5, 5, 10, 25, 50 uM).

B.2. Effects on tumor and normal cells

Study shows the effective proprietary dose, ETST's High Grade Full Spectrum Cannabinoids inhibited the proliferation of cancer cells by nearly 90%, while only inhibited the proliferation of normal cells about 50%.

D. Conclusion:

The results of this preliminary study indicate that with appropriate dose, in this case with its proprietary ETST's High Grade Full Spectrum Cannabinoids dose can inhibit the proliferation of cancer cells more than that of normal cells. If full spectrum cannabinoids has the same effect *in vivo*, it may help with cancer patients. However, further experiments are needed to investigate the effects of full spectrum cannabinoids on different cells, particularly on immune cells.