

Ozone Selectively Inhibits Growth of Human Cancer Cells

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Abstract:

The growth of human cancer cells from lung, breast, and uterine tumors was selectively inhibited in a dose-dependent manner by O₃ at 0.3 to 0.8 part per million of ozone in ambient air during 8 days of culture. Human lung diploid fibroblasts served as noncancerous control cells. The presence of ozone at 0.3 to 0.5 part per million inhibited cancer cell growth 40 and 60 percent, respectively. The non-cancerous lung cells were unaffected at these levels. Exposure to o₃ at 0.8 part per million inhibited cancer cell growth more than 90 percent and control cell growth less than 50 percent. Evidently, the mechanisms for defense against O₃ damage are impaired in human cancer cells.

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OxyFile #520

"Activated Oxygen, Allotropic Oxygen, O₃, Ozone - Our Most Important Health Enhancer!"

By Tom Harrelson

Dr. Otto Warburg (twice Nobel Prize winner & third-time nominee) said concerning his winning discoveries, "Healthy cells thrive on Oxygen or they become cancerous cells from the lack of Oxygen!" For years physiologists have been looking for new and better ways to improve the aerobic threshold and also aid recovery without the use of steroids.

Recently, researchers have proved, what the Germans have known for 50+ years, that Ozone (O₃) , a very powerful activated form of oxygen, can improve the health of the body in many ways that oxygen (O₂) cannot. Oxygen has a very stable electrical bond, not being readily absorbed and utilized. However, Ozone having a deficiency of one electron, has an unstable electrical bond, causing it to be very reactive and oxidative, which allows it to be able to combine with and neutralize a multitude of pathogens, free radicals, and chemicals, plus super-oxygenate the bloodstream. The following includes some of the effects of Ozone on the human body in particular.