## EFFECT OF LECTINS, BMOLL (<u>BAUHINIA MONANDRA</u> LEAVES) AND CLAVELL (<u>CLADONIA VERTICILLARIS</u> LICHEN), ON CELLULAR DEATH AND MITOCHONDRIA BREATH

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Lectins, carbohydrate recognition proteins, were applied in cultures of K562 cells (cellular line of mieloyd leukemia), Walker 256 cells (cellular line of Walker tumor 256 in ascites developed in rats), normal or activated lymphocytes, as well as mitochondria isolated from animal control (AC) or carriers of Walker tumor (AT) to evaluate effects in cellular death and mitochondria breath. BmoLL (purified from *Bauhinia monandra* leaves, galactose specific) and ClaveLL (isolated from *Cladonia verticillaris* lichen, glycoprotein inhibited) lectins in 10% supplemented RPMI medium did not induce cellular death in K562 cells. Both lectins induced a low effect of cellular death in lymphocytes; BmoLL and ClaveLL under flow cytometry revealed differences in control of lymphocyte death (necrosis and apoptosis) of AC and AT. BmoLL was not effective in changing the states of breath in mitochondria; ClaveLL preliminary results, however, seemed to produce a significant effect.

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