



THE UNIVERSITY
OF AUCKLAND
NEW ZEALAND
Te Whare Wānanga o Tāmaki Makaurau

Certificate of Research Wild Lingzhi Infused Whiskey



Researchers at the University of Auckland (2013) have confirmed that Wild Lingzhi infused Whiskey contributes to cell regulation which leads to aiding in reducing inflammation and improving immune system function.

Using non-invasive studies, researchers found Wild Lingzhi infused Whiskey inhibits the growth of cancer cells. Figure 1 and Figure 2 demonstrate increased growth inhibition of two different prostate cancer cells as concentration of Wild Lingzhi Infused Whiskey increased in the cell line studies.

Researchers used genetic detection technology to determine gene expression of cells when dosed with Wild Lingzhi infused Whiskey. It was found that Wild Lingzhi Infused Whiskey influenced genes that are responsible for cell regulation, particularly in regulating the repair of damaged cells.

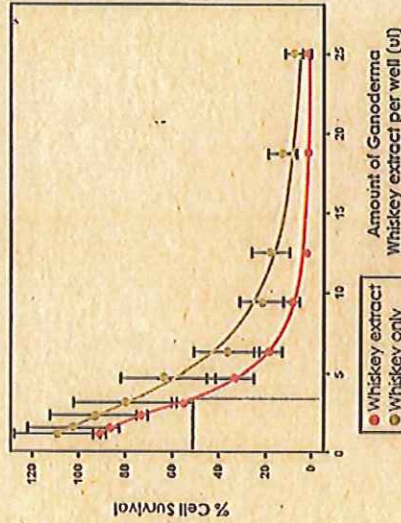


Figure 1: Comparison of Wild Lingzhi infused Whiskey and Whiskey in inhibiting prostate cancer cell type 1

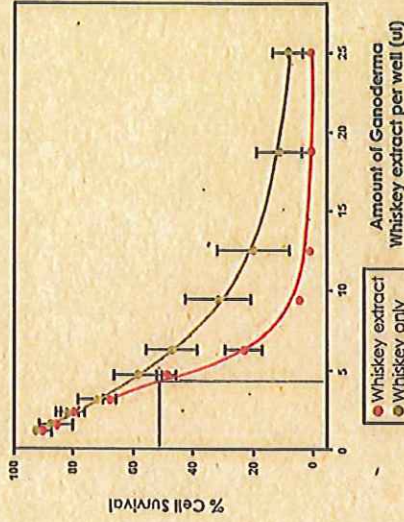


Figure 2: Comparison of Wild Lingzhi infused Whiskey and Whiskey in inhibiting prostate cancer cell type 2

References:

1. Koo, C.H.J., Jesuthasan, A. C., Bishop, K.S., Glucina, M.P. & Ferguson, L.R. (2013). Anti-cancer activities of Ganoderma lucidum: active ingredients and pathways. *Functional Foods in Health and Disease*, 3(2), 48-65.
2. Koo, C.H.J., (2013). Investigation into the anti-cancer properties of Ganoderma lucidum. Masters of Health Science thesis, The University of Auckland.
3. Koo, C.H.J., Bishop, K.S., Han, D.Y., Murray, P.M., Glucina, M.P., Marlow, G.J. & Ferguson, L.R. (2013). A comparison of the gene expression profiles and pathway network analyses after treatment of prostate cancer cell lines with different Ganoderma lucidum based extracts.

研究調査証明書 鑑定書

天然霊芝抽出ウイスキー

ニュージーランド国立オークランド大学研究者チーム（2013年）は、天然霊芝を抽出したウイスキーが炎症を減少させ免疫系機能改善・向上の助成に繋がる細胞制御・細胞調節に寄与することを確認しました。

オークランド大学研究者チームは、非侵襲的検査によって天然霊芝抽出ウイスキーがガン細胞の成長を抑制する事を発見しました。一連の細胞系研究を通して、天然霊芝抽出ウイスキー濃度・濃縮が増加するに従い、2つの異なった前立腺がん細胞の増殖抑制が高まる事実を図表1及び図表2は証明しています。

図表1及び図表2：前立腺がん細胞抑制（タイプ1 / タイプ2）に関する天然霊芝浸漬ウイスキーとウイスキー単体の比較。

% Cell Survival : 細胞生存率

Amount of Ganoderma Whiskey extract per well (ul) : ウェル（マイクロリットル）当たりの
霊芝抽出ウイスキー量

* Whiskey extract : 抽出ウイスキー

* Whiskey only : ウイスキー単体

オークランド大学研究者チームは、遺伝子検出技術を用いて天然霊芝浸漬ウイスキーを投与する事による細胞遺伝子発現の究明を試みました。その結果、天然霊芝浸漬ウイスキーが細胞調節、特に損傷細胞修復調整に深く関与している遺伝子に影響を与えた事実が発見できました。

References:

1. Kao, C.H.J., Jesuthasan, A.C., Bishop, K.S., Glucina, M.P. & Ferguson, L.R. (2013), Anti-cancer activities of Ganoderma Lucidum: active ingredients and pathways. Functional Foods in Health and Disease, 3(2), 48-65.
2. Kao, C.H.J., (2013), Investigation into the anti-cancer properties of Ganoderma lucidum, Masters of Health Science thesis, The University of Auckland.
3. Kao, C.H.J., Bishop, K.S., Han, D.Y., Murray, P.M., Glucina, M.P., Marlow, G.J. & Ferguson, L.R. (2013), A Comparison of the gene expression profiles and pathway network analyses after treatment of prostate cancer cell lines with different Ganoderma lucidum based extracts.