

3 August 2006

TO WHOM IT MAY CONCERN:

I, Professor Patrick JD Bouic, the undersigned hereby confirm that we conducted *in vitro* tests using the herbal extract named Matula.

The extract was assayed for its anti-microbial activity against a range of bacteria including both gram-positive and gram-negative strains.

We were impressed by the level of bio-activity exhibited at relatively low concentrations of the extract provided: the extract killed both gram-positive as well as gram-negative bacteria as determined by a sensitive chemiluminescence assay at relative concentrations of 20% final volume. The bacteria tested included repository strains of Staph. aureus and E coli.

However, the most exciting results obtained were when clinical strains of Helicobacter pylori were assayed. The strains were assayed as above and again, the Matula extract proved its efficacy in killing off the strains.

No overt cytotoxicity against human cells (peripheral blood mononuclear cells) or T-cell lines were detected in cell viability assays indicating that the extract was not likely to be toxic for human cells whereas the said extract exhibited anti-microbial activity under these testing conditions.

The extract provides promising applications as a wide-spectrum anti-microbial agent and deserves further experimentation and possible applications clinically.

Yours sincerely



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