

Matula Herbal Formula Technical and Reference Manual



Matula Herbal Formula

Technical and Reference Manual

specifically for

Medical Doctors and Health Care Professionals

By:

Jon Morley MD (MB.ChB)

November 2007

Health & Personal Care Disclaimer: Content in this Manual is for reference purposes and is not intended to substitute for advice given by a physician, pharmacist, or other licensed health-care professional. You should not use this information as self-diagnosis or for treating a health problem or disease. Information and statements regarding dietary supplements have not been evaluated by the Food and Drug Administration and are not intended to diagnose, treat, cure, or prevent any disease or health condition.

COPYRIGHT NOTICE

Copyright© 2007

Published by www.super-natural-herbs.com

All rights reserved.

All contents contained in “Matula Herbal Formula, Technical and Reference Manual, for Medical Doctors and Health Care Professionals” is protected under Copyright© 2007.

All literary work contained within “Matula Herbal Formula, Technical and Reference Manual, for Doctors and Health Care Professionals” belongs to and is the sole property of it's respective publisher and can only be reprinted with permission.

Reproduction, copying, or any other form of use of any part of this book is STRICTLY FORBIDDEN without the express and written permission from the publishers themselves. If perjury is discovered the offenders will be prosecuted to the full extent of the law. These rules have been established to protect the rights and ownership of the authors and to ensure that their work is upheld as their own.

This publication is solely intended for the use of Medical Doctors and other registered Health Care Professionals ONLY.

LEGAL NOTICES AND DISCLAIMER

As with all health care publications, we need to add in a legal statement.

THE FOLLOWING TERMS AND CONDITIONS APPLY:

While all attempts have been made to verify information provided as being current, factual and applicable, neither the author, nor any ancillary party, assumes any responsibility for errors, omissions, or contradictory interpretation of the subject matter contained herein. Any perceived slights of specific people or organizations are unintentional.

To the fullest extent permitted by any applicable laws, in no event shall I, Dr. Jon Morley, www.super-natural-herbs.com, its distributors, agents or suppliers be liable for any damages of any kind or character, including without any limitation any compensatory, incidental, direct, indirect, special, punitive, or consequential damages, loss of use, loss of income or profit, loss of or damage to property or health, claims from third parties, or other losses of any kind or character, including loss of life, even if I, www.super-natural-herbs.com have been advised of the possibilities of such damages or losses, arising out of or in connection with the use of this Manual, www.super-natural-herbs.com website or, for that matter, any other web site with which it is linked.

Health & Personal Care Disclaimer: Content in this Manual is for reference purposes and is not intended to substitute for advice given by a physician, pharmacist, or other licensed health-care professional. You should not use this information as self-diagnosis or for treating a health problem or disease. Information and statements regarding dietary supplements have not been evaluated by the Food and Drug Administration and are not intended to diagnose, treat, cure, or prevent any disease or health condition.

Contents	Page
Word of Welcome	5
Chapter 1	
Introduction to Matula Herbal Tea	
The Story behind Matula Herbal Formula	6
Why a Tea and not Tablets or Capsules?	6
Chapter 2	
Technical Aspects of Matula Herbal Formula	
The Contents of Matula Herbal Formula	7
Dosage Instructions	7
Anti-bacterial and Anti Fungal Properties	7
Efficacy and Safety	7
Endorsed by Professor Patrick JD Bouic	8
My Clinical Experience with Matula	8
Conditions successfully treated with Matula Herbal Formula	8
eBook Digestive Health	8
Production and Packaging	9
Summary - Scientific Test Results	10
Chapter 3	
The Future	11
Additional Products	11
Annexure A:	
Full Scientific Report – Professor Patrick JD Bouic	12



Word of Welcome

On behalf of Super-Natural-Herbs.com, I would like to extend a warm and healthful welcome to you and thank you for joining our Doctor-Membership Program.

In this modern world, we are constantly being bombarded by clever marketing of new and 'better' healthcare products. In an industry that is growing exponentially, natural healthcare products seem to be marketed more and more at enriching the provider, you and I, with less regard for the patients well-being. Some multi-level marketing schemes spend more money and effort on stirring the entrepreneurial spirit within us rather than the far more important issue of ultimate health of your patients.

Integrity seems to be lacking in a great many natural healthcare companies.

At Super-Natural-Herbs.com, the patient is our main focus. We aim to reach out to patients with honest and transparent information regarding our range of pioneering products. Our goal is to help people in need with completely natural herbal remedies that have been proven to be safe and effective in both laboratory trials and extensive clinical use. We also offer clinical and technical backup to both you and your patients.

I am Jon Morley, MD (MB.ChB). After graduating from Medical School in the early nineties, I soon became disgruntled with the ways of Modern Medicine. I seemed to be spending more and more time treating side-effects of drugs (with more drugs), than actually treating the problem. It became a vicious cycle. Modern Medicine has a number of amazing strengths, but one of its worst downfalls is its hegemony and intolerance of Complimentary Medicine and the denial of the body's innate ability to heal itself. We were taught to work against the body, not with it. After a number of years of unlearning a lot of the dogma I had been taught, and working closely with more experienced like-minded colleagues, I now run a fully integrative healthcare practice, incorporating a wide range of healing modalities. I have written many articles on natural health and presented many talks on the subject to doctors and patients alike.

When I first met the team from Super-Natural-Herbs, I was immediately taken by their honesty and integrity. It was apparent from our first meeting that they had a deep desire to help people in need. I am proud to be associated with them, and look forward to sharing our range of break through products with you.

Please feel free to contact me at drjonmorley@super-natural-herbs.com for any technical or clinical queries should the need arise.

Jon Morley M.D. (M.B.Ch.B.)

Introduction to Matula Herbal Formula

Chapter 1

The Story behind Matula Herbal Formula

The story begins some eight years ago now when Doc, our colleague and Holistic Healer who discovered Matula Herbal Formula, decided to take a walk in a remote mountain range with a few Traditional Healers so that they could explain some of the herbs and their related medicinal values that were growing there. This is the birth place of Matula Herbal Tea.

South Africa - Rich in Medicinal Herbs and Plants!

On the southern tip of Africa there is a wealth of fauna and flora with well over 21,000 plant species listed. Most of these plants are indigenous to this country and in many cases endemic to certain areas. Here's the interesting bit - it has been established that over 3,000 of these plant species possess exceptional medicinal properties!

The indigenous people such as the San and Khoi tribes who have populated this part of the continent for hundreds of years, had to find and develop their own resources and cures for diseases and illnesses. There were no doctors just around the corner in those days. These people lived off the land and by trial and error they managed to develop an impressive number of treatments and cures.

A few of these people became traditional healers and utilized their knowledge by treating their neighbors and others in nearby settlements. Over the ages, the recipes for these remedies were handed down from father to son, improving with each generation. When the European settlers moved in to the country, they adopted many of the remedies.

These traditional remedies are derived from plant material such as bark, leaves, stems, flowers or roots. The plant material is normally chopped into smaller pieces and then dried in the sun till completely dry. In most cases, the mixture of herbs is then ground to a powder and often mixed with other plant materials, before being dispensed to the patient.

Why a Liquid and not Tablets or Capsules?

Ingested liquid is one of the finest forms of treatment simply because it is a fluid. Liquids have superior absorption of the active ingredients into the body and this optimizes the healing process.

It is even more important to have a liquid treatment when the purpose of the treatment is to eradicate **bacteria like H Pylori** in the stomach. The reason for this is that a liquid covers a greater surface area of the stomach lining and saturates the bacteria in the liquid allowing enough time for it to be killed off.

If you can imagine a tablet or capsule sitting in one small area of your stomach lining slowly dissolving, it becomes quite obvious that it simply just cannot be as effective as a tea. This explains why tea has been used as a medium for effective treatment for many centuries already.

Technical Aspects of Matula Herbal Formula

Chapter 2

The Contents of Matula Herbal Formula

Matula Herbal Formula Ingredients	
<i>Plant Family</i>	<i>Plant Parts Used</i>
Rosaceae Oleaceae Bignoniaceae Asphodelaceae Fabaceae Myrtaceae	Combination of ... Flowers, Roots, Stems, Leaves, Bark and Seeds
<p>Note: <i>Matula Herbal Formula is conveniently packed in a sachet. A total of 60 Sachets are supplied in a box that makes up a one month supply. This proprietary formulation comprises premium quality, ALL NATURAL wild and non-GMO herbs. Matula Herbal Formula does not Contain ANY wheat, caffeine, gluten, corn, soy, milk, egg, sugar, colorings or preservatives. Matula Herbal Formula is also packed in an FDA Approved facility and has a 2 year shelf life.</i></p>	

Each of the six herbs are picked at different times during each of the four seasons of the year. Some are picked when budding, some when flowering, and others after seeding. Some plants can only be picked in the early morning, while others must only be picked in the late afternoon. These are just some of the complexities associated with the intricate blend that make up this magical tea.

Dosage Instructions

The recommended dosage of Matula Herbal Formula is as follows:-

First thing in the Morning, at least half a hour, but preferably one hour before eating breakfast.

Last thing, before going to sleep at night, preferably two hours after completing dinner.

The preparation of Matula is simple. Add 150 ml (half a coffee mug) of purified boiling water to a mug. Remove the bag from sealed sachet and add to the boiling water. Allow the bag to release the active ingredients and draw out from 10 to 15 minutes.

For best results, we recommend that all patients complete the 30 day treatment program.

Anti-bacterial and Anti Fungal Properties

When one looks into the historical uses of these plants in traditional medicine, its easy to see how the combination of Matula Herbal Formula has such powerful and broadspectrum uses. All of the families from which the individual herbs found in Matula originate from, have specific anti-parasitic, anti-fungal, anti-helminthic and anti-bacterial properties. Each of the families of herbs have enjoyed long and safe reputations for the treatment of any description of abdominal complaints from nausea to diarrhea.

Efficacy and Safety

I have been using Matula Herbal Formula for almost a year and have not picked up any negative side effects. In laboratory studies, Matula Herbal Formula has shown to have lower toxicity than commercially available herb teas like Redbush ("Rooibos" from South Africa). In clinical practice, I have compared various parameters like Liver function, Renal function and

Matula Herbal Formula Technical and Reference Manual

peripheral Blood Smears pre-, during and post-treatment. There has been no negative change in any of these parameters.

In terms of efficacy, I have only had one patient whose Helicobacter Pylori was not eradicated by Matula Herbal Formula. To date I have not known the reason why. I have treated close on a hundred patients to date.

Endorsed by Professor Patrick JD Bouic

Please refer to the Full Scientific Study Report in Annexure A for Professor Patrick Bouic's endorsement of Matula Herbal Formula.

My Clinical Experience with Matula Herbal Formula

I am always looking for a natural treatment that is proven to be effective as well as safe. It must be easy to use and not unpleasant or impractical. It should not require special storage, have a long shelf life and be easily transportable. Matula Herbal Formula has all of these properties. To date I have not found a product that scores so highly on all these requirements. In my own experience, Matula Herbal Formula has a remarkable success rate, close on 100% when compliance is adhered to. Being an enjoyable herb tea that requires little effort to prepare, compliance is not really a factor.

I have found the tea to be effective in most upper abdominal complaints even when Helicobacter Pylori and Candida tests have been negative, like GERD and Non Ulcer Dyspepsia. I have also found it useful in various lower abdominal complaints like Ulcerative Colitis and some instances of diarrhea.

When patient after patient return with smiles and no longer grimaces of pain and discomfort, I know why I keep prescribing Matula Herbal Formula. It is a privilege to work with this product.

Conditions successfully treated with Matula Herbal Formula

GERD, Non-Ulcer Dyspepsia, Peptic Ulcers, both H.Pylori positive and negative, Small Bowel Inflammation, Dysbiosis, Diverticulitis, Mild Ulcerative Colitis, Gastroenteritis and Candida infections, both in the bowel as well as vaginal and dermatological. I have also used Matula Herbal Formula as a topical application for impetigo lesions, for intra nasal staphylococcal infections, for otitis externa. In fact I have even treated a venous stasis ulcer, with mixed bacterial infection, successfully!

eBook - The Complete Digestive Health Guide

I have written an eBook for patients that have Opted In to our website. This eBook contains information about the commoner gastrointestinal disorders, how to recognize their symptoms and how to approach their management with practical advice. This covers aspects of diet and supplementation. Please feel free to peruse this eBook and augment it with your own professional advice. Any feedback in this regard would be greatly appreciated.

I encourage you to keep records and collect patient testimonials. These, I believe, are the best tools for monitoring therapeutic success. We at Super-Natural-Herbs.com would value you sharing these testimonials with us for the benefit of all who visit our website. I have come across some interesting and very effective uses for Matula Herbal Formula that have not yet been tested for in the laboratory. These include the effective treatment of a mixed bacterial infection of a venous stasis ulcer of an ankle!

So, please let me have your feedback.

Production and Packaging

Sun Dried for maximum effectiveness

Prior to grinding and mixing, all plants have to be sun dried for up to 2 weeks. This is a very important part of the 100% natural process - these plants cannot be dried in an oven. For some reason, the effectiveness of the tea drops substantially when the natural process of drying is replaced by artificial means.

Harvesting

The harvesting of each of the 6 plants is seasonally linked to its botanical make-up, the mineral content of the soil, and the influence of climatic variations. Most of the growing areas are very difficult to access from the ground.

In these areas our highly experienced pickers have to be transported by rugged 4x4 vehicles over harsh terrain and then spend several days at a time hand picking strictly limited quantities of the medicinal plants and herbs we use in Matula Herbal Formula. Because these herbs are indigenous to this part of the world only, harvesting is strictly controlled. Over picking can quickly jeopardize future supply, or even cause extinction of these species.

As a further precautionary measure, our pickers are paid according to the quality and freshness of their pickings, rather than the quantity they can pick.

Packaging

Matula Herbal Formula is packed by an accredited manufacturing facility that is FDA Registered, USDA NOP Production Standards Certificated, SGS Organic Production Standards Certificated and is also HACCP Registered.



Summary of Scientific Results

Matula Scientific Results

Information Extracted from Synexa Life Sciences Report

Organism	Concentration of Matula	Percentage Inhibition
Staphylococcus aureus ATCC 25923 (Gram+)	50%	94%
	33%	35%
	20%	44%
Escherichia coli ATCC 35218 (Gram -)	50%	80%
	33%	69%
	20%	44%
Escherichia coli ATCC 25922 (Gram -)	50%	86%
	33%	74%
	20%	56%
Helicobacter pylori Clinical isolate (Gram -)	50%	93%
	33%	92%
	20%	74%
Candida albicans	50%	93%
	25%	84%
	5%	70%

The Future
Chapter 3

The introduction of Matula Herbal Formula, only represents the very beginning of what will be an exciting journey ahead. Our strategy is to consistently add new products to our range of pioneering natural alternative treatments that will ultimately enable you to effectively treat your patients who suffer from some of the most complex and difficult illnesses to treat at present.

We already have several incredible products going through scientific evaluation and even some that are about to begin advanced Clinical Trials. This is very exciting for us primarily because we know that these products will add significantly in one way or another to the quality of life for many thousands of people in the future. We are also excited that we will be able to provide you with real solutions to help your patients too.

Our strategic end state is to limit the supply of our product range exclusively through Doctors and Health Care Professionals, like you. It is for this reason that we place the highest level of emphasis on building partnerships with Doctors, firmly based on integrity right from the outset.

Once again I would like to welcome you to our Doctor-Membership Program and I look forward to working with you.

Yours sincerely,



Jon Morley MD (MB.ChB.)

Chief Medical Officer

Annexure A:



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

A handwritten signature in black ink, appearing to be "Patrick Bouic", written over a light blue horizontal line.

Prof. Patrick JD Bouic
Dept. Medical Microbiology, University of Stellenbosch
Chief Technical Officer, Synexa Life Sciences (Pty) Ltd



BioActivity Screening Services

Matula Tea

October 2006

Please note that some information has been intentionally deleted from this report. The reason why this has been done is because certain scientific testing is still work in progress and as such the intermediate results cannot be placed in the public domain at this time. The information available has not been altered or changed in any way to distort the views expressed by the joint authors of this report.

TABLE OF CONTENT

	Page
1. Methodology	3
1.1 General Information	3
1.2 First Phase Anti-bacterial Screening	3
1.3 Cell Viability Testing	3
1.4 Second Phase Cell Viability Testing	4
1.5 Second Phase Anti-bacterial screening	4
2. Results	5
2.1 First Phase Anti-bacterial Screening	5
2.2 Cell Viability Testing	5
2.5 Second Phase Cell Viability Testing	6
2.4 Second Phase Anti-bacterial screening	6
3. Discussion	7
3.1 First Phase Anti-bacterial Screening	7
3.2 Cell Viability Testing	7
3.3 Second Phase Cell Viability Testing	7
3.4 Second Phase Anti-bacterial screening	7

1. Methodology

1.1 General Information

The prepared product was provided by the client. This was a herbal tea, known as “Matula” tea. The product was filter sterilized and used as is in all the assays. All assays were performed in duplicate. Sterile methods and equipment was used throughout all the assays where needed.

1.2 First Phase Anti-bacterial Screening

The product was tested for activity against three different bacteria. These bacteria were *Staphylococcus aureus* (ATCC 25923), *Helicobacter pylorii*, and two strains of *Escherichia coli* (ATCC 35218 and ATCC 25922). *S. aureus* and *H. pylori* were grown up over night in a slime broth, while the two *E. coli* strains were grown up overnight in nutrient broth.

The overnight cultures of bacteria were then incubated overnight in the presence of three different concentrations of Matula tea, namely 50%, 33%, and 20%. A positive control culture of each bacteria and each concentration was also incubated overnight in the presence of matching concentrations of sterile water. This was done to compensate for the water component present in the tea. Negative controls (media with the respected concentrations of sterile water) were also included in this experiment.

A chemi-luminescent assay was used to determine the amount of viable bacteria cells in each instance. Background luminescence was eliminated by deducting the negative controls from their corresponding results. The difference between each positive control and its equivalent of bacteria cells in the presence of Matula tea was expressed as a percentage of inhibition.

1.4 Second Phase Cell Viability Testing

The product was tested for its effect on the viability of PBMCs at three different concentrations. The effect of Matula tea was compared to the effect of filter sterilized rooibos tea, since rooibos tea is generally regarded as safe. Three different concentrations of the product and rooibos tea was used, namely 5%, 2% and 1%.

Peripheral blood mononuclear cells were isolated via density centrifugation from fresh whole blood from a healthy donor. The isolated PBMCs were then suspended in complete medium and diluted with complete medium to an approximate final concentration of 1 million cells per milliliter. The PBMCs were incubated overnight in the presence of the three different concentrations of Matula tea and rooibos tea.

A chemi-luminescent assay was used to determine the amount of viable cells in each instance. Background luminescence was eliminated by deducting the negative controls from their corresponding results. The difference between each positive control and its equivalent of cells in the presence of Matula and rooibos tea was expressed as a percentage cell death.

1.5 Second Phase Anti-bacterial screening

After the first phase of anti-bacterial evaluation it became apparent that the product displayed significant anti-bacterial activity. To further explore the commercial value of this activity the product was tested for activity against the problematic methicillin resistant *Staphylococcus aureus* (MRSA). Furthermore and based on testimonials, the product was also tested for antifungal activity, in specific against *Candida albicans*.

MRSA and *C. albicans* were grown up overnight in nutrient broth. The overnight culture of MRSA was then incubated once again overnight in the presence of four different concentrations of Matula tea, namely 50%, 20%, 10% and 5%. In the case of the *C. albicans* culture, Matula tea was only used at 50%, 25%, and 5% concentrations. A positive control culture of each culture and each concentration was also incubated overnight in the presence of matching concentrations of sterile water. This was done to compensate for the water component present in the tea. Negative controls (media with the respected concentrations of sterile water) were also included in this experiment.

A chemi-luminescent assay was used to determine the amount of viable microbic cells in each instance. Background luminescence was eliminated by deducting the negative controls from their corresponding results. The difference between each positive control and its equivalent of microbial cells in the presence of Matula tea was expressed as a percentage of inhibition.

2. Results

2.1 First Phase Anti-bacterial Screening

2.1.1. Organism: *Staphylococcus aureus* ATCC 25923 (Gram +)

Concentration of Product	Percentage Inhibition
50%	94
33%	35
20%	44

2.1.2. Organism: *Escherichia coli* ATCC 35218 (Gram -)

Concentration of Product	Percentage Inhibition
50%	80
33%	69
20%	44

2.1.3. Organism: *Escherichia coli* ATCC 25922 (Gram -)

Concentration of Product	Percentage Inhibition
50%	86
33%	74
20%	56

2.1.4. Organism: *Helicobacter pylori* Clinical Isolate (Gram -)

Concentration of Product	Percentage Inhibition
50%	93
33%	92
20%	74



2.3 Second Phase Cell Viability Testing

2.3.1. PBMCs death in presence of Matula Tea

Concentration of Matula Tea	Percentage Cell Death
5%	10
2%	28
1%	22

2.3.2. PBMCs death in presence of Rooibos Tea

Concentration of Rooibos Tea	Percentage Cell Death
5%	10
2%	32
1%	37

2.4 Second Phase Anti-bacterial screening

2.4.2. Organism: *Candida albicans*

Concentration of Matula tea	Percentage Inhibition
50%	93
25%	84
5%	70



3. Discussion

3.1 First Phase Anti-bacterial Screening

The product displays a significant anti-bacterial effect against both Gram + and Gram – bacteria. Furthermore, it displays potent activity against *Helicobacter pylori*, the major cause of stomach ulcers.

3.3 Second Phase Cell Viability Testing

The effects of Matula tea on the viability of PBMCs is similar, and even slightly less pronounced, when compared to the effect of Rooibos tea on the same cell type. Since Rooibos tea is generally regarded as a safe herbal tea, it was used as a comparison in this experiment.

3.4 Second Phase Anti-bacterial screening

Furthermore, Matula tea had a significant inhibitory effect on *C. albicans* across the concentration range used in the experiment.


Signed:

Prof. P.J.D. Bouic
Chief Technical Officer



.....

W.J. Kriek
BioActivity Screening Manager



.....

Please note that some information has been intentionally deleted from this report. The reason why this has been done is because certain scientific testing is still work in progress and as such the intermediate results cannot be placed in the public domain at this time. The information available has not been altered or changed in any way to distort the views expressed by the joint authors of this report.