The Metagenics Detoxification Programs: Your Clinical Strategies for Safe, Effective and Comprehensive Detoxification

Metagenics offers you an easy-to-implement approach to the problem of toxicity. We have taken the latest scientific research and combined it with the clinical experience of numerous Practitioners in designing the Metagenics Detoxification Programs. These programs offer you:

- High quality, scientifically validated formulas for effective clinical management of toxicity.
- Comprehensive treatment protocols for successful detoxification of all body systems and tissues.
- Strategies for supporting Phase I, Phase II and Phase III detoxification enzymes throughout the body.
- Natural Medicines for digestive support, kidney support, liver support, alkalisation and support of heavy metal clearance.
- Clinically effective herbal and nutritional formulations that are easy to prescribe and convenient for our patients.
- Safe, effective Natural Medicines that can be recommended with confidence in clinical practice.

STAGE 1: REMOVE (2 WEEKS)

STAGE 2: RENEW (2 WEEKS)

STAGE 3: RELEASE (2 WEEKS)
Once the load of dysbiotic organisms living in the digestive system, liver and kidneys.

The Metagenics Products for Detoxification

Toxicity is a cause, or driver, for a vast range of health conditions, and detoxification has become a cornerstone of successful practice.

The Detoxification Process

Detoxification of a toxic substance within our bodies is a complex physiological process that requires several steps to be completed effectively. The end result of these various biochemical steps is the biotransformation of a lipophilic compound into a water-soluble compound that can be discharged in urine or excreted via bile, into faeces. Therefore, detoxification is not one reaction, rather it is a process that involves multiple reactions and multiple players, including Phase I, Phase II and Phase III detoxification reactions in the digestive system, liver and kidneys.

Avoiding the “Healing Crisis"

One of the most common occurrences during a Detoxification Program, especially one that focuses primarily on treating the liver without first correcting the environment and the gut, is a sometimes violent reaction known euphemistically as a “Healing Crisis”. Patients may complain of nausea, pain, headaches, aggravation of inflammatory symptoms or increased sensitivity to dietary and environmental chemicals. This is caused by a stimulation of liver detoxification, without the correct supplements to support the entire process. This leads to an increase in the production of “reactive intermediates”, harmful substances that cause damage to cells and tissues and increase the production of inflammatory mediators. The Metagenics Integrated Detoxification Program addresses each key area, in the right order, to reduce these detox reactions.

The Metagenics Integrated Detoxification Program

This program will support all the key enzymatic reactions in all key detox tissues and organs, whilst also providing your patients with dietary and lifestyle guidelines to follow to decrease their overall toxic load.

To make it easy to remember and explain to your patients, we have broken the Metagenics Integrated Detoxification Program down into the following stages:

Stage 1: Remove - The aim of the first stage is to remove or dramatically reduce the level of dysbiotic bacteria, fungi and parasitic organisms that may be present in your patients’ gut. This stage is also aimed at removing waste and toxins being produced by dysbiotic organisms.

Stage 2: Renew - Once the load of dysbiotic organisms living in the digestive system has been reduced, the main aim is then to re-inoculate the patients’ digestive system with beneficial (probiotic) bacteria and to support the integrity of the gut lining with glutamine and other nutrients. In the second stage of the Metagenics Integrated Detoxification Program you will be:

• Renewing and repairing the gut lining;
• Renewing gut flora;
• Renewing tissue health by helping to clear stored heavy metals and
• Renewing and restoring the acid/alkaline balance of the body.

Stage 3: Release - The final stage of detoxification is designed to enhance the capacity and function of the body’s waste removal systems - predominantly the liver, gall bladder and kidneys. In this stage the focus is on increasing the release of toxins stored in the body, as well as increasing the release of bile to facilitate excretion of waste via the faeces.

This model is very easy to explain and also gives patients a clear idea of the process they will be following. At each stage there are only two products that your patients are required to take, making compliance easy to attain.

Pre-Detoxification Testing

Testing prior to commencing a Detoxification Program has several benefits:

1. It helps you determine which Detoxification Program your patient needs.
2. It gives patients an independent confirmation of your assessment – reinforcing their commitment;
3. It provides a baseline to compare results to;
4. It establishes whether dysbiosis exists or not;
5. It determines the severity of the toxicity and, therefore, the time it is likely to take to complete the program;

<table>
<thead>
<tr>
<th>PRE-DETOXIFICATION TESTING</th>
<th>TESTING</th>
<th>If a patient meets ANY of the criteria below they should complete the Metagenics Express Detox Program</th>
<th>If a patient meets these criteria they should do the Express Detox Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>Urinary Indican Test</td>
<td>Marked bacterial dysbiosis.</td>
<td>1 CLEAR</td>
<td>No significant level of bacterial dysbiosis evident.</td>
</tr>
<tr>
<td>Presenting Condition</td>
<td>Chronic illness, long term complaints.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Health Appraisal Questionnaire</td>
<td>Multiple areas that score as “Moderate” or “High” priority.</td>
<td>Short term lifestyle excesses (e.g. post-Christmas)</td>
<td>Scores are all “Low”.</td>
</tr>
<tr>
<td>VLA Cellular Fluid Balance</td>
<td>Absence of any inflammatory, liver or Detox parameters.</td>
<td></td>
<td></td>
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</tbody>
</table>

The Metagenics Express Detox Program

Not every one of your patients will need a “full” Metagenics Integrated Detoxification Program. This may include patients who are basically well, but have only over-indulged recently (e.g. post-Christmas). It will also include patients who have completed a full detox and are looking for something to do as an annual or bi-annual “spring clean”. These patients can do the Metagenics Express Detox Program.

The Metagenics Express Detox Program consists of:

1. G-Tox Express: 1½ scoops twice daily for digestive support, heavy metal clearance, alkalinisation and general detoxification.

2. Thermo Phase Detox: ½ scoop twice daily for support of general liver function and Phase II detoxification enzymes.

This program, lasts two weeks and should be enough to get these patients back on track and feeling great!
Figure 1: The Factors Affecting Detoxification

INTEGRATED DETOXIFICATION PROGRAM (6 WEEKS)

**REMOVE**
- Parex
- Ultra Probioplex

**RENEW**
- Choice of probiotic
- G-Tox Express

**RELEASE**
- Thermo Phase Detox
- Phyto Pro

EXPRESS DETOX PROGRAM (2 WEEKS)

- G-Tox Express
- Thermo Phase Detox

Detox Diet and Lifestyle
STAGE 1 - REMOVE

PAREX

Antimicrobial Herbs

Contents: 60 and 120 tablets.
Storage: Store below 30°C.

Parex is a herbal formula specifically designed to assist in managing dysbiosis and helping to rid the body of intestinal worms and parasites. Parex contains extracts from traditional bitter, antimicrobial, antifungal, antiparasitic and anthelmintic herbs such as black walnut, Chinese wormwood, barberry and gentian, as well as powerful antimicrobial essential oils. The potent herbs in this formulation help remove gastrointestinal organisms that may contribute to gut inflammation and increased intestinal permeability. They may also assist in the maintenance of healthy digestive function and reduce the risk of further infestation. Parex is the ideal supplement for the initial stage of a detoxification program.

Each tablet contains:
- Juglans nigra (Black Walnut), green fruit hull dry 500 mg
- Berberis vulgaris (Barberry), root bark dry 400 mg
- Zingiber officinale (Ginger), rhizome dry 250 mg
- Gentiana lutea (Gentian), root dry 200 mg
- Origanum vulgare (Spanish Oregano) oil 2 mg
- Cinnamomum zeylanicum (Cinnamon) bark oil 2 mg
- Thymus vulgaris (Thyme) oil 2 mg

Directions for detoxification: Adults. Take 3 tablets twice daily, or as directed by your healthcare professional.

Benefits:
- An integral part of the Metagenics Detoxification Program: Parex forms an integral part of the first stage of the Metagenics Detoxification Program – the Remove stage. The aim of the first stage of the detox is to remove or dramatically reduce the level of dysbiotic bacteria, fungi and parasitic organisms that may be present in your patient’s gut. This stage is also aimed at removing waste and toxins being produced by dysbiotic organisms.
- Powerful antimicrobial, antiparasitic, antifungal and anthelmintic activity: The green hulls from Juglans nigra (black walnut) have specific antimicrobial activity, while the herb’s naphthaquinone content contributes to its traditional use as a vermifuge and antiparasitic agent. Artemisia annua (Chinese wormwood) has been shown to act as an anthelmintic, anti-inflammatory, antiparasitic and antifungal bitter tonic that is particularly potent against gastrointestinal microbial infections. The berberine alkaloids in barberry have significant antimicrobial activity, and finally, the essential oils from oregano, thyme and cinnamon are potent therapeutic agents that can help rid the digestive tract of many common pathogenic organisms.
- Supports elimination of dysbiotic organisms from the gut: The herbal extracts in Parex assist the body’s natural waste elimination processes by stimulating the secretion of digestive juices, and may assist in the relief of flatulence, intestinal cramping and pain. Barberry and gentian are two of the most effective traditional ‘bitter’ remedies, with well-established tonic effects on digestion. Gentian is traditionally used as a bitter herb which promotes the stimulation of gastric secretions; thereby supporting natural eliminative processes. Ginger will act as an intestinal antispasmodic, reducing the likelihood of undesirable griping responses as the antimicrobial activity takes effect.

STAGE 1 - REMOVE

ULTRA PROBIOPLEX

High Potency Colostrum with Glyconutrients

Contents: 150 g oral powder or 80 capsules.
Storage: Store below 25°C.

Ultra Probioplex is a scientifically blended combination of colostrum and other nutrients which may be helpful for supporting normal gastrointestinal health. The colostrum is derived from Australian, pasture fed, antibiotic and chemical free cattle. It contains a guaranteed minimum 40% Immunoglobulin G (IgG). Colosperm also contains other bioactive proteins, including lactoferrin and lactoperoxidase. Supporting these natural proteins are selenium, iodine and zinc, all essential nutrients known to perform inter-related functions to support a healthy, normal intestinal health. These nutrients may prevent the adherence of harmful microbes to the gut wall, and may provide support for gastrointestinal health during the first stage of the Metagenics Integrated Detoxification Program.

Each serve (5.0 g) contains:
- Immunoglobulin G 1000 mg
- Immunoglobulin A 31.7 mg
- Lactoferrin 50 mg
- Lactoperoxidase 500 mcg
- Arabinogalactans 300 mg
- Iodine 75 mcg
- Selenium 26 mcg
- Zinc 10 mg
- Sodium 7 mg
- Potassium 9 mg
- Lactoperoxidase 500 mcg
- Lactoferrin 50 mg
- Immunoglobulin A 31.7 mg
- Immunoglobulin G 1000 mg

Directions for detoxification: Take 1 level metric teaspoon (5 g) twice daily with food or 4 capsules twice daily with food, or as directed by your healthcare professional.

Ingredients:
- Early raw protein concentrate - colostrum (50%), Maltodextrin, Lactose (arabinogalactans), Zinc sulphate, Lactoferrin (milk protein), silica colloidal anhydrous, Lactoperoxidase (enzyme), Potassium iodide.

Contradictions: Bovine colostrum powder contains lactose and cow’s milk proteins. This product is not suitable for use in infants except on advice of a healthcare professional.

WARNING:
- This food is not a sole source of nutrition and should be consumed in conjunction with a nutritious diet and an appropriate physical training or exercise program.
- Should only be used under medical or dietetic supervision.

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STAGE 2 - RENEW

G-TOX EXPRESS

Detox Greens

Contents: 280 g powder (28 serves).
Storage: Store below 30ºC.

G-Tox Express provides a combination of herbs and nutrients, specifically formulated to support the gastrointestinal mucosa, enhance detoxification, and assist in the elimination of heavy metals from the body. G-Tox Express also contains ingredients to help alkalise the urine and support the elimination of toxins via the kidneys. G-Tox Express is an integral part of the Metagenics Integrated Detoxification Program and the Metagenics Express Detox program. It may also be used on a daily basis to gently support detoxification pathways in the body.

Each serve (10 g) contains:
- Curcuma longa (BCM-95™ - Tumeric) 3800 mg
- Galium aparine (Cleavers) 3000 mg
- Glycyrrhiza glabra (Licorice) – deglycyrrhinized 2500 mg
- Arthrospira platensis (Spirulina) 2500 mg
- Aloe barbadensis (Aloe vera) powder 2500 mg
- L-Glutamine 2000 mg
- Potassium citrate 2000 mg
- Larch Arabinogalactans 1000 mg
- Modifed citrus pectin 500 mg
- Fucus vesiculosus (Kelp) powder 250 mg
- Zinc sulfate – equivalent to elemental zinc 15 mg

Directions: Adults: Take ½ scoop (10 g), stirred in 150 mL of fruit or vegetable juice, twice daily, or as directed by your healthcare professional.

Features:
- **Assists in protecting the gastrointestinal mucosa and rebuilding gut integrity:** G-Tox Express contains glutamine, aloe vera and licorice to support healthy gut repair. Glutamine is the preferred fuel for small intestine enterocytes, and contributes to the maintenance of gut integrity. Glutamine also reduces intestinal inflammation and mitochondrial damage to gut cells. Licorice and aloe are both protective and healing and can help support gastrointestinal healing and repair. Poly saccharides in aloe vera have been shown to have anti-inflammatory and gastroprotective effects. Zinc may also help support gastrointestinal integrity as it has been found to aid in gastric mucosal healing in patients with benign gastric ulceration.
- **May assist in the elimination of heavy metals:** Specific support for heavy metal clearance is provided with this powdered formula. The combination of pectin, spirulina and zinc may effectively assist in the elimination of heavy metals such as lead, mercury and arsenic from the body. Zinc has been shown to influence metallothionein activity, thereby playing a role in the detoxification of heavy metals. Pectin may effectively reduce heavy metal absorption and bioaccumulation by binding with metals in the digestive tract and assisting their elimination in the faeces. This may include metals that have been excreted into the bile. Heavy metal detoxification is further supported with the inclusion of coriander leaf and curcumin, which may help to facilitate the safe excretion of heavy metals and toxins.
- **May increase urinary pH to enhance excretion of toxins:** Alkalisation of the urine, even at subtle levels, can augment toxin excretion. Potassium citrate is an effective alkalising agent. Furthermore, citrate is metabolised to bicarbonate in the body, and therefore adds to the buffering potential. Urine alkalisation enhances the elimination of toxins during detoxification.
- **Aids in general detoxification:** G-Tox Express also supports general cleansing and detoxification. Both kelp and cleavers have a depurative effect, and help with the removal of toxins from blood and body tissue. Additionally, cleavers possess diuretic activity, further supporting urinary excretion of wastes.

### PROBIOTIC OF CHOICE

**Restoration of Gut Flora**

During the second stage of the Metagenics Integrated Detoxification Program, patients should take one serve of probiotics twice daily.

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>INGREDIENTS</th>
<th>APPLICATIONS FOR DETOXIFICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ultra Flora Restore Daily Free - Capsules</td>
<td><strong>Lactobacillus acidophilus NCFM</strong></td>
<td>General re-inoculation during detoxification.</td>
</tr>
<tr>
<td></td>
<td><strong>Bifidobacterium lactis Bi-07</strong></td>
<td>Where there are indications of increased intestinal permeability.</td>
</tr>
<tr>
<td></td>
<td><strong>Lactobacillus rhamnosus GG (LGG®)</strong></td>
<td>Restoration of gut flora.</td>
</tr>
<tr>
<td></td>
<td><strong>Colostrum (not in dairy free)</strong></td>
<td>General support for digestive health.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Re-inoculation of the bowel.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>History of antibiotic use.</td>
</tr>
<tr>
<td>Ultra Flora Plus Daily Free - Powder</td>
<td><strong>Lactobacillus acidophilus NCFM</strong></td>
<td>General re-inoculation in detoxification.</td>
</tr>
<tr>
<td></td>
<td><strong>Bifidobacterium lactis Bi-07</strong></td>
<td>Restoration of gut flora.</td>
</tr>
<tr>
<td></td>
<td><strong>Lactobacillus rhamnosus GG (LGG®)</strong></td>
<td>General probiotic with extra prebiotic support for digestive health.</td>
</tr>
<tr>
<td></td>
<td><strong>Colostrum (not in dairy free)</strong></td>
<td>For maintenance of bowel health.</td>
</tr>
<tr>
<td></td>
<td><strong>Oligofructose</strong></td>
<td>For re-inoculation in those with a history of eczema, allergies and atopy.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>For patients with a history of acute infectious diarrhoea.</td>
</tr>
<tr>
<td>Ultra Flora LGG - Capsules</td>
<td><strong>Lactobacillus rhamnosus GG (LGG®)</strong></td>
<td>For re-inoculation in those with a history of gut or systemic inflammatory conditions.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Assists in management of gut inflammation and IBS.</td>
</tr>
<tr>
<td>Probiotex - Capsules and Powder</td>
<td><strong>Lactobacillus plantarum 299v</strong></td>
<td>For re-inoculation in those with a history of immune disorders.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Probiotic support for promoting normal, healthy immunity.</td>
</tr>
<tr>
<td>Ultra Flora Immune - Capsules</td>
<td><strong>Lactobacillus acidophilus NCFM</strong></td>
<td>For re-inoculation of those with a history of candidiasis, food poisonings or bowel infections.</td>
</tr>
<tr>
<td></td>
<td><strong>Lactobacillus rhamnosus HN001</strong></td>
<td>For the management of dysbiosis and yeast infections.</td>
</tr>
<tr>
<td></td>
<td><strong>Bifidobacterium lactis HN019</strong></td>
<td>For prevention and treatment of traveller’s diarrhoea.</td>
</tr>
</tbody>
</table>
Metagenics Phyto Pro is a scientifically advanced formula designed to support healthy liver function and enhance detoxification processes. The formula contains some of the most powerful known regulators of Phase I and II detox activity. Phase III detoxification is also supported, ensuring complete clearance of metabolised toxins. Phyto Pro additionally contains a range of antioxidants, which will help neutralise any reactive intermediates formed during detoxification.

Each tablet contains:
- Silybum marianum (St Mary's thistle) seed dry 1400 mg
- Schisandra chinensis (Schisandra) fruit dry 1000 mg
- Curcuma longa root dry (BCM-95™ - Turmeric) 625 mg
- Camellia sinensis (Green tea) leaf dry 600 mg
- Punica granatum (Pomegranate) fruit rind dry 300 mg
- Brassica oleracea (Broccoli) sprout powder - BroccoPlus™ extract 100 mg

**Directions:** Take 2 tablets twice daily with food or as directed by your healthcare professional.

**Contraindications and Cautions:** Not recommended for use in pregnancy and lactation.

**Features:**
- **Promotes balanced detoxification:** Phyto Pro is an integral part of the Metagenics Integrated Detoxification Program as it helps to balance the three phases of detoxification. Figure 2 lists substances that inhibit and enhance Phase I, Phase II and III detoxification activity. In many patients there is often a need to reduce Phase I activity and increase Phase II and III capacity. Phytonutrients derived from broccoli and green tea stimulate Phase II enzymes, helping to balance detoxification, and St Mary's thistle and turmeric act as bifunctional modulators, which means they support balanced detoxification by modulating Phase I and promoting Phase II. This minimises damage by reactive intermediates and free radicals. Additionally, by supporting glutathionation, this formula also stimulates Phase III detoxification, ensuring final clearance of metabolised toxins.
- **Powerful antioxidant activity:** Figure 2 also demonstrates how crucial antioxidants are for successful detoxification. They provide protection from any reactive intermediates produced if Phase I detoxification is overactive. Phyto Pro contains a number of potent antioxidants for this reason; for example, the phytochemicals contained within pomegranate have been found to have significant antioxidant activity, Camellia sinensis (green tea) leaves are rich in antioxidant flavonoids, and curcumin is a polyphenolic that has been found to be a potent antioxidant, preventing lipid peroxidation. Finally, the broccoli sprout powder (BroccoPlus™) included to provide antioxidant benefits, as well as to support detoxification.
Thermo Phase Detox

Nutritional Support for Detoxification

Contents: 686 g powder (14 serves).

Storage: Store below 25°C.

Thermo Phase Detox is a vanilla-flavoured, powdered herbal and nutritional formula designed to support healthy liver detoxification through improved conjugation of toxins. It provides therapeutic levels of Silybum marianum (Milk Thistle), taurine, glutamine and other amino acids required for healthy, normal Phase II detoxification in the liver and other organs.

Each serve (49 g = 3 level scoops) contains:

| Rice, hydrolysed (52% protein) | 19 g |
| Silybum marianum (Milk Thistle) extract equivalent to fruit dry | 12.3 g |
| standardised to flavanols, calculated as silymarin | 147 mg |
| Sesame seed powdered (51% protein) | 10 g |
| Magnesium amino acid chelate (Meta Mag™) equivalent to elemental magnesium | 110 mg |
| Taurine | 1000 mg |
| Glutamine | 1000 mg |
| Potassium sulfate | 50 mg |
| Zinc gluconate – equivalent to elemental zinc | 5.4 mg |
| Ascorbic acid (vitamin C) | 24.3 mg |
| Fumarate – equivalent to elemental iron | 6.5 mg |
| d-alpha-tocopherol acid succinate – equivalent to d-alpha tocopherol (vitamin E) | 20.3 IU |
| Nicotinamide | 10.8 mg |
| Manganese chelate – equivalent to elemental manganese | 652 mcg |
| Cysteine | 5 mg |
| Copper gluconate – equivalent to elemental copper | 378 mcg |
| Calcium pantothenate | 2.1 mg |
| Pyridoxine hydrochloride | 1.6 mg |
| Riboflavin | 1.6 mg |
| Thiamine hydrochloride | 1.1 mg |
| Retinyl palmitate – equivalent to vitamin A | 1370 IU |
| Chromium nicotinate – equivalent to elemental chromium | 50 mcg |
| Cyanocobalamin | 400 mcg |
| Folic acid | 400 mcg |
| Selenium – equivalent to elemental selenium | 25 mcg |
| Potassium iodide – equivalent to elemental potassium | 11.6 mcg |
| – equivalent to elemental iodine | 37.7 mcg |
| Biotin | 27 mcg |
| Cholecalciferol – equivalent to vitamin D3 | 107.8 IU |

Each serve (3 level scoops = 49 g) provides: 17.8 g of Protein, 22.7 g of Carbohydrate and 2.8 g of beneficial Fats.

Dosage:
- Metagenics Integrated Detoxification Program: take 1 serve (49 g = 3 level scoops) twice daily.
- Express Detox Program: take ½ serve (1½ scoops) twice daily.

Features:

- **Optimises Phase II detoxification:** Thermo Phase Detox provides ample nutritional support for optimising Phase II activity and supporting all the key Phase II conjugation pathways. For example, glutathionation is supported through the inclusion of glutamine, cysteine, glycine, folate, magnesium and vitamins B6 and B12; while methylation is supported with methionine, folate and vitamin B12; and taurine, cysteine and vitamin A support sulphation.

- **Supports healthy liver detoxification:** Silybum marianum (St. Mary’s Thistle or Milk Thistle) has a long traditional use for the management of liver health. It has antioxidant properties and is a major hepatoprotective herb that supports regeneration and detoxification of the liver. Sesame may protect the liver from hepatotoxic agents by decreasing the liver’s production of inflammatory mediators and free radicals when exposed to toxins. It contains the lignan sesamin, which has been shown to markedly influence lipid metabolism and liver function.

- **Antioxidant benefits:** Human clinical trials have shown that silymarin provides strong antioxidant activity and prevents cellular damage by toxins. Further, sesame has been shown to increase antioxidant status via increasing vitamin E levels and exerting an anti-inflammatory action. Thermo Phase Detox also contains glutamine, cysteine and glycine - amino acids which combine to form glutathione, the body’s most important intracellular antioxidant and a vital Phase II conjugating agent. Vitamins A, C, E and zinc, manganese and selenium provide further antioxidant support.

<table>
<thead>
<tr>
<th>Phase II Detox Pathway</th>
<th>Key Nutrients provided by Thermo Phase Detox</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glutathionation</td>
<td>Glutamine, Cysteine, Glycine, Selenium, Vitamin B6, Vitamin B12</td>
</tr>
<tr>
<td>Glycination</td>
<td>Glycine (from Meta Mag™ and 3.7% of rice protein), Taurine</td>
</tr>
<tr>
<td>Methylation</td>
<td>Methionine (2.45% of rice protein), Folate, Vitamin B12</td>
</tr>
<tr>
<td>Glucuronidation</td>
<td>Magnesium, Vitamin A</td>
</tr>
<tr>
<td>Sulphation</td>
<td>Taurine, Cysteine, Potassium sulphate, Vitamin A</td>
</tr>
<tr>
<td>Acetylation</td>
<td>Vitamin B5</td>
</tr>
</tbody>
</table>

Always read the label. References available upon request.
In-Clinic Promotional Materials

Also available for your clinic:

- Key Clinical Concepts Detox Cover - Order Code: KCCD
- Your Guide to Detox - Order Code: GID
- Inner Cleaning Brochure - Order Code: BR10

Mission and Values

The mission of Health World Limited, Health World (NZ) Limited and Metagenics Australia and New Zealand is to help people live happier, healthier lives.

This is achieved by providing the best professional education and services, as well as products of the highest quality and efficacy.

Key to this Mission is:

- Scientific and Clinical Research
- Highest Quality Ingredients and Raw Materials
- Raw Material Testing for Consistency and Quality
- Manufacturing Standards that Exceed Industry Benchmarks
- Finished Product Analysis and Testing

The Metagenics Quality Process

Selection of Highest Quality Ingredients Based on Levels of:

- Scientific and Clinical Research
- Safety and Toxicology
- Active Constituents
- Heavy Metals
- Pesticides

Ingredient Quality Control Checks

- Microbial Contamination
- Qualitative Identity
- HPLC, Atomic Absorption, GC-HPLC

Manufacturing Standards that Exceed Industry GMP

- Low Moisture
- Low Heat
- Natural, Low Allergy Excipients
- THE NON-USE OF Polyisobutene, Polyvinylpyrrolidone, Talc, Shellac, Sodium Lauryl Sulphate.

Finished Product Analysis

- Microbial Contamination
- Quantitative Analysis of Actives
- Disintegration Time (absorption)
- Weight and Size Uniformity
- Moisture Content (stability)