LABORATORY SERVICES, NUTRACEUTICALS AND MEDICAL FOODS
Invivo Clinical operates on the forefront of integrative healthcare. Our company is dedicated to providing dynamic services and products to clinicians and patients, that assess, support and manage causes of dysfunction and chronic disease while promoting complete health.

We specialise in 3 main areas:

- LABORATORY TESTING
- NUTRACEUTICALS
- MEDICAL FOODS

All our laboratory service partners offer practitioners extensive clinical and technical support on testing in conjunction with our in-house team of clinicians.
Dear Healthcare Practitioners

In this welcome note I want to share my personal journey to owning and managing Invivo Clinical. I also wish to impart my ethos and drive behind the company.

My early career as an exercise physiologist, leading me to owning a corrective exercise clinic in Canary Wharf where I specialised in treating city workers ailing bodies. As I immersed myself in their symptoms of inflammation, stress, disturbed sleep and poor diet, the more I became interested in hormones, toxicology and nutrient status. I realised that this was a bigger part of the puzzle that needed solving. Lab reports and broken chemical pathways excited me more than working with the musculoskeletal imperfections.

My thirst for knowledge led me to a crossroads. My options were to study Biomedical Science at Birmingham to continue my educational journey or to start providing clinicians with the leading laboratory services and nutraceuticals I knew were out there.

I knew the latter would give me more satisfaction and in 2008 I began Invivo clinical, formerly known as Nutrition Geeks and was greatly assisted by the dedication of my mother, June Maree, who was instrumental in the company evolving and being what it is today.

I have an ethos in life that I only want the best quality; I am not interested in second best, regardless of profit margins. The small details captivate me and pervade all areas of my life including my passion for mountain biking.

When buying my first bike it was the small things I noticed that no one else did. The frame materials, geometry, head angles and rear suspension linkage design drove me to the best and most efficient combination. I could not afford the exact bike I wanted but I didn’t buy second best. I saved, I waited and worked extra hours until finally I made my purchase.

The meetings we have with potential partners undergo the same scrutiny. We know that being a healthcare professional and making meaningful changes to a client’s life is generally a one-time opportunity. The combinations of your knowledge and the products and services you use have a big impact on the differences you can make to the quality of life and health of others. We want you to rely heavily on what we do to ensure you can deliver highly accurate testing services and nutraceuticals that truly make a difference.

We are 100% committed to offering you the very best on the market. Anything we sell, we do so knowing we have pulled the product to pieces, read the research and tested it personally.

Thank you for taking an interest in our company. We are a small team who want to deliver that personal touch, a voice on the end of the phone that understands you and the needs of your patients.

If you would like to connect with me I welcome your thoughts and feedback

Don Maree
Founder and Managing Director, Invivo Clinical
don@invivoclinical.co.uk
Here at Invivo Clinical we don’t just process orders. We are a progressive, integrated team in the field of integrative, functional and nutritional medicine. We are always adapting to new research and modifying our services to meet the high standards we set ourselves.

We are based in the Oxford Science Park and operate like a family business. We encourage open dialogue and good relationships in and out of the office, and have dedicated in house experts with a wealth of knowledge driving our product choices. Collectively Invivo Clinical has decade’s worth of experience in clinical nutrition, physical medicine and biomedical sciences. As a practitioner you can call in and speak professionally to us, as we are experts in your field.

Simply, we love what we do.

We cherry pick the very best in testing, nutraceuticals and medical foods from around the globe. The people we work with are specialists in their fields. We have personally tested and continue to use our partner’s products for our own health.

We are the exclusive UK distributors for all of our Nutraceutical Products and Medical Foods. We work in partnership with clinical laboratories that specialise in metabolic, nutritional and functional testing and evaluation. We give exclusive online access to education resources provided to us by our partners, in conjunction with webinars presented by leading Doctors and clinicians.

For more details see: [www.invivoclinical.co.uk](http://www.invivoclinical.co.uk)
Diagnostic Research Group (DRG)

DRG Laboratories focus on the growing field of DNA based laboratory diagnostics. Tony Hoffman started DRG Laboratory after leaving Metametrix in 2013. Their laboratory provides clinical services for practitioners working with chronic dysfunction and acute pathologies of the gastrointestinal tract.

European Laboratory of Nutrients

The European Laboratory of Nutrients (ELN) is an advanced laboratory for testing human nutrient status. The laboratory provides a worldwide service to MD’s, hospitals and institutions with interest in nutritional and metabolic medicine. In 1995 Vitamin Diagnostics joined their organisation to provide better service both in the United States and Europe.

**KEY TEST INNOVATIONS**

**Organic Acid Profile**
68 analytes for metabolic function. The most comprehensive profile available in the UK with 5 yeast/fungal markers and 16 amino acid metabolites.

**Amino Acid Analysis**
24-hour urine gives the most valuable information as many amino acids occur in detectable amounts only in urine.

**Neurotransmitter Profiles**
Tests measure the concentration of biogenic amines (neurotransmitters) in platelets including serotonin, dopamine, epinephrine, histamine and metanephrine.

**Fatty Acid Profile**
Essential fatty acids are determined in the membranes of red blood cells, which gives a good indication of the essential fatty acid status over a long period.

**GI Pathogen Plus Profile**
PCR based test for bacteria, toxins, h-pylori, virulence factors, parasites, viruses, slgA, lactoferrin, elastase, anti-gliadin IgA and antibiotic resistance

**Adiponectin and Lectin Profile**
This test measures both analytes, as well as providing an Adiponectin:Leptin ratio. Important in assessing glucose metabolism, fatty acid breakdown and energy expenditure.

**Zonulin and DAO Gut Profile**
Important for assessing gut dysbiosis and tight gap junctions of GI tract. This profile also measures histamine levels, LPS and Diamine oxidase (DAO) which is a histamine-degrading enzyme.

**Adrenal Stress Profile**
Comprehensive panel assessing 4 point cortisol, DHEA, Melatonin, Anti-Gliadin IgA and Secretory IgA.

**Oxidative Stress Profile**
Unique panel assessing glutathione status, DNA damage, Lipid Peroxidation and Superoxide Dismutase.

**Dunwoody Labs**

Dunwoody Labs is an innovative provider of testing solutions to assist in the diagnosis or the management of a variety of conditions commonly addressed by integrative medicine. They specialise in cutting-edge markers such as diamine oxidase (DAO), the enzyme that degrades histamine and oxidized LDL, the true plaque former as well as an Adiponectin:Leptin ratio profile.
**KEY TEST INNOVATIONS**

**24 Hour Hormone Panels**
Most comprehensive hormone panels available in the UK. Tests can include adrenal hormones, sex hormones, thyroid hormones, hGH, melatonin, oxytocin & minerals.

**Cardiovascular Health Profile**
Includes Lipoprotein Ratios, Chronic Inflammatory Markers, Oxidant Stress Factors, Hormone Markers, Mineral Markers and intervention options.

**IgE and IgG4 Allergy Testing**
MVL uses a combination IgE and IgG4 protocol. The test can detect both IgE and/or IgG4 allergic reactions. Thus immediate and delayed food reactions can be detected.

**Meridian Valley Labs**
Meridian Valley Lab is a world leader in allergy and hormone profiles, specialising in Comprehensive 24-Hour urine hormone and metabolite testing. Meridian Valley was the first lab in the United States to offer this test to help doctors use Bio-identical Hormone Replacement Therapy safely and effectively. Dr. Jonathan Wright, the Medical Director, has been leading the laboratory testing since 1976.

**R.E.D. Laboratories**
RED Laboratories are a biotechnology company developing clinical diagnostic tests and therapies for chronic immune diseases. As a specialty clinical laboratory, RED Laboratories provide clinicians, researchers and chronically ill patients with unique and innovative assays to detect immune dysfunctions. They also actively pursue basic research programs to further unravel the mechanisms leading to disease development.

**KEY TEST INNOVATIONS**

**Metagenomics Stool Analysis**
A new PCR based analysis of all bacterial species of the gastrointestinal tract including those previously not analysed by traditional culture techniques.

**Inflammatory Cytokine RNA Analysis**
This profile measures levels of IL-6, IL-8, IL-10, TNF, TGF-1, MIP-1 and mRNA.

**Vitamin D Receptor Polymorphisms**
VDR dysfunction has been linked with osteoarthritis, cancer, diabetes, cardiovascular disease. Bsm1 and Fok1 are two SNPs in the gene coding for VDR (vitamin D receptor).

**Simplified Genetics**
The laboratory at Simplified Genetics is focused on full sequence analysis. This concentrates on five important loci on four genes that encode for fat absorption, physiological response(s) to exercise, insulin resistance, obesity, regulation of glucose homeostasis and adipocyte differentiation. These five genes have been assigned to the obesity gene map that are directly involved in the phenotype behaviours and response to fat absorption and retention, nutritional requirements and limitations and the exercise requirements for an individual.
Designs for Health

Designs for health has a ‘Science First’ philosophy and are committed to research-driven products and formulations. The extensive research team is headed up by Dr David Brady ND DC CCN, who is also Director of the Human Nutrition Institute. We have partnered with DFH for over 6 years because we have complete trust in the product integrity, their formulations are unique and they are highly responsive to our needs and the market by and large.

KEY PRODUCT INNOVATIONS

GI Microb-X
GI Microb-X is a blend of botanical extracts with a long history of use as natural antimicrobials. It provides a broad spectrum of activity against the most common pathogens present in the human GI tract, while being relatively sparing of normal flora.

Metabolic Synergy
Metabolic Synergy™ helps maintain healthy glucose and insulin levels, while supporting the conversion of carbohydrates to be used for energy by providing nutrients for the TCA cycle.

Mitochondrial NRG
Mitochondrial NRG™ is a formulary blend of nutrients, nutraceuticals, botanicals, and Krebs cycle intermediates designed to support efficient mitochondrial metabolism and energy (ATP) production for increased vitality.

Innate Response

Innate has an ethos that the foundation of optimal health begins with local and organic wholefoods. Innate sources wholefood extracts, which they craft into their extensive range of whole food supplements using current research guidelines. They are focused on creating biological harmony through therapeutic supplements, and part of their mission is to address the stressors that develop from dietary, environmental and lifestyle toxins that exist in the world today. They actively work to sustain local farmers and community health.
**Vital Nutrients**

The ethos of Vital Nutrients is ‘Quality Assurance’. They go above and beyond standard manufacturing practices to ensure every product is free of heavy metals, PCB’s, dioxins and chemical solvents. The rigorous batch testing for potency and stability ensure superior products.

Their exceptional single nutrient products allows targeted treatment protocols for specific patient needs and helps to avoid any pharmaceutical/nutrient interactions.

Here at Invivo Clinical we rate the high standards of Vital Nutrients quality control.

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**KEY PRODUCT INNOVATIONS**

**PMS & Menopause support**

The combination of herbal extracts may help to alleviate hot flushes and common symptoms associated with menopause. The formula contains ingredients that support hormonal balance in menopausal women and promote bone health.

**Prenatal Nutrients**

PreNatal Multi-Nutrients is a high potency multi-vitamin/mineral specifically formulated for pregnancy and lactation, which contains therapeutic dose of Folate as Metafolin L-5MTHF.

**Ultra Pure Fish Oil 2600**

Ultra Pure Fish Oil 2600 in liquid form provides an extremely high concentration of EPA and DHA for people who find it difficult to take several softgels per day or swallow large pills. It is sustainably sourced using highly selective and environmentally safe fishing methods.
KEY PRODUCTS

**Arthroben™**

Arthroben™ is a safe, effective, non-NSAID, anti-inflammatory formula. Its combination of nutrients work to reduce inflammation, stimulate connective tissue repair and increase joint mobility and function. It contains two forms of collagen peptides and has no effect on prothrombin times and is safe for patients on warfarin.

**Osteoben™**

Osteoben™ is formulated to address the pathophysiology of osteopenia and osteoporosis, providing patients with the proper bone-supportive nutritional requirements in order to safely assist with the dietary management of these conditions. The main active compound of Osteoben™ is the isoflavone genistein, which works to target the decreased BMD (bone mineral density) seen in osteopenia and osteoporosis.

**Aphthamin™**

Aphthamin™ lozenges are a medical food formulated for the metabolic management of the underlying processes of recurrent aphthous stomatitis (RAS). These lozenges contain 0.5mg 5-MTHF along with 5 mg vitamin B-12 (cobalamin: as 2 mg methylcobalamin, 2 mg hydroxycobalamin, 1 mg adenosylcobalamin). Research studies have demonstrated that the administration of vitamin B12 leads to improvement and long-term recovery from RAS. Also, in RAS patients with folate deficiency, repletion of folate levels dramatically improved or completely reversed RAS symptoms.

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**SitoMedica**

Medical foods are an emerging market. Nutraceuticals thus far are prohibited from attaching medical claims. The FDA now states the level of evidence for a direct correlation can now be attached to Medical Foods. They target individuals with specific nutritional requirements for the management of metabolic imbalances and chronic illness.

SitoMedica is a division of Designs for Health which is led by Robert J. Nicolisi, M.S. PhD. He is currently developing a full line of Medical Foods.
How to Register with Invivo Clinical

We work with people who are passionate about preventative medicine, education and are hungry for knowledge. More and more people are making positive lifestyle choices and seeking out health solutions through integrative medicine. We are here to support practitioners, healthcare providers and patients.

If you are qualified as an Doctor, Nutritionist, Osteopath, Physiotherapist or Acupuncturist then you can register for a clinician account.

If you don’t fit into the categories above and have special circumstances, maybe we could help. Please call us on 01865 338045 to talk about your situation.

The registration process is simple:
1. Go to www.invivoclinical.co.uk
2. Click on the ‘Register Here’ button
3. Fill in your details (this will include sending your qualifications)

Once we have received your registration, we will process it within 48 hours and send you your login and password details for the website.
How to Order from Invivo Clinical

Both patients and clinicians can order from us

Clinicians ordering process
1. Go to www.invivoclinical.co.uk
2. Login using your e-mail address and password
3. Order test kits or nutraceuticals

Patients ordering process
1. Patients will visit www.invivoclinical.co.uk
2. They can login using your clinician name. i.e. tomsmith (one word and lower case)
3. Password is ‘client’

Ordering by phone
Please call us on + 44 (0) 1865 338 045