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# OOZOA Biomedical Inc.

an international consulting company  
providing services in reproductive biology:

human infertility diagnosis & treatment  
including facility & financial planning

assisted reproduction  
cryobanking  
product development

## What is Oozoa Biomedical Inc.?

**Oozoa Biomedical** is a Vancouver-based international consulting company established in 2000 by David Mortimer, PhD. **Oozoa Biomedical** has clients in Canada, USA, Sweden, Denmark, France, UK, India, China and Australia in various areas of reproductive biology and medicine in humans, as well as in domesticated and laboratory animals.

The President of **Oozoa Biomedical**, Dr David Mortimer, has many years of experience in the design and establishment of successful assisted conception laboratories around the world, and during the last 15 years has undertaken a wide range of consultancy and advisory work relating to human infertility products and services from both the diagnostic and therapeutic perspectives. He graduated with a BSc in Zoology from Bristol University (UK) in 1974, and a PhD from Edinburgh University (UK) in 1977. During his postdoctoral training in sperm physiology and its role in human infertility (in Edinburgh, Paris and Birmingham), he was also responsible for diagnostic andrology and sperm banking services, and established the first IVF laboratory in Birmingham in 1982. From 1983 to 1991, he was a faculty member of the University of Calgary, and was the Scientific Director of the Infertility Programme, responsible for developing diagnostic andrology services, one of the largest sperm banks in Canada and, from 1988, the IVF Programme. From 1991 until 1999 he was the Scientific Director of Sydney IVF, and was responsible for the design and establishment of its national and international partner and subsidiary programmes' laboratories. He moved back to Canada in March 2000.

Dr Mortimer is well-known in the field of reproductive biology, having authored or co-authored over 120 scientific publications (including the monograph *Practical Laboratory Andrology*) and more than 200 conference presentations. He is a member of 12 national or international professional societies, and has served on the Editorial Boards of 4 journals, including being an International Editor of *Human Reproduction* until 1997.

## What do we do?

The services offered by **Oozoa Biomedical** cover the range of laboratory issues involved in the development and maintenance of a successful assisted conception service. They include:

- **Laboratory designs** for infertility clinics, IVF units, andrology labs, and cryobanks. A comprehensive *Facility Design Questionnaire* is available to clients as a planning tool to facilitate this process.  
**Oozoa Biomedical** provides:
  - development and evaluation of alternative layout concepts;
  - preparation of draft architectural drawings and specifications, comprising renovation or construction plans as well as details of electrical, plumbing and air-conditioning services;
  - consideration of ergonomics, staff (and patient) movement and material flow as part of the design process; and
  - determination of the equipment and staffing levels required for the planned services.
- **Preparation of operating and start-up budgets** as well as cashflow models for entire assisted conception units or standalone service laboratories. A comprehensive *Financial Planning Questionnaire* is available to clients as a planning tool to facilitate this process.
- **“Turnkey” setups**, involving the provision of all information required to construct and/or implement a new assisted conception laboratory. This includes comprehensive equipment lists (with recommendations for particular items of equipment as well as suggested suppliers and/or investigation of local suppliers), laboratory designs and draft procedure manuals.
- **Laboratory staff training**, with an emphasis on quality control and quality assurance programmes.
- **Implementation of Total Quality Management** programmes for the integrated assisted conception centre.
- **Accreditation preparedness** surveys of assisted conception programmes.
- **Providing the framework for accreditation-level laboratory manuals** and/or preparation of such manuals from pre-existing documents and other information.
- **Troubleshooting**, with an emphasis on long-term solutions, and problem prevention through the development of ongoing quality control and quality assurance programmes.
- **Product development**, including assistance in the evaluation of product ideas for assisted reproduction, as well as ongoing advice during the development and launch phases.