



## STERILISATION AS A CONSERVATION TOOL

**Around the world, museums, universities, galleries and libraries are increasingly using industrial sterilisation techniques, such as irradiation, to strengthen their protections against mould, pest infestations and bacteria.**

**Irradiation is widely used in the medical, pharmaceutical and agricultural industries and is at the front line of Australia's quarantine system. It is a physical means of sterilisation whereby products are exposed to gamma rays. These rays act as a source of ionising energy that eliminates bacteria, pests and other pathogens, while having minimal impact on the treated item.**

### STERITECH

Steritech is a proud Australian family owned company and the leading contract sterilisation processor in the Asia-Pacific region. For more than 40 years, Steritech has been helping eliminate pests and disease, in order to make products safer for consumers and to protect the environment.

With plants in Melbourne, Sydney and Brisbane offering gamma irradiation, ethylene oxide and heat treatments, Steritech is the only contract sterilisation company in Australia.

Steritech is licensed and accredited by a number of Government authorities, including the Australian Quarantine and Inspection Service, Therapeutic Goods Administration, Australian Pesticides and Veterinary Medicines Authority and the relevant State Environmental Protection Agencies.

### BENEFITS OF IRRADIATION

Steritech has worked with a number of major Australian universities and State libraries to help manage pest and mould problems in archived materials.

The benefits of irradiation for professional conservators are:

- It is effective against mould and bacteria and depending on the dose will eliminate a broad spectrum of insect pests at all stages of development, including moths, booklice and silverfish.
- The gamma rays penetrate packaging and as such are the only sure way to obtain total penetration of archived materials.
- The process is chemical free and leaves no residues.
- It does not involve heating or cooling the treated products and does not expose the products to water.
- The process is relatively quick and simple and can be applied to archived materials in bulk.
- It is a recognised quarantine measure for goods travelling interstate or overseas.

Steritech is a member of the Australian Institute for the Conservation of Cultural Materials and we would welcome the opportunity to discuss opportunities to help Australian conservators protect their materials.

**For more information, contact Raymond Bryden in Melbourne on 03 8726 5514, Jamie Crighton in Sydney on 02 8785 4403 or Glenn Robertson in Brisbane on 07 3293 1566, or visit [www.steritech.com.au](http://www.steritech.com.au).**



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Protecting what matters