



STERITECH
Protecting what matters

Protecting what matters for more than 40 years.

At Steritech, our clients and our people are what really matter. As a proudly Australian, family-owned company, integrity, commitment and a genuine caring and concern for the success of our clients and the wellbeing of our employees is the foundation on which we have built our reputation.

Many of our employees, who have also been with us for well over 20 years, are considered to be among the worlds best in technical expertise and operational excellence.

The fact that Steritech is now the most prominent and trusted contract sterilisation and decontamination processor in the Asia-Pacific region, and one of the largest worldwide, is testament to our leadership and belief in the value of dedicated service and solid client relationships.

**Through Gamma Irradiation and Ethylene Oxide processing (ETO),
we service the following industries:**



Agriculture



Fresh Produce



Healthcare



Quarantine



Pet Products



Packaging



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"Steritech is a customer focused, proactive company that provides clients with unique opportunities to open their business to new markets through innovative, technically advanced solutions"





Gamma Irradiation. The safe, effective way to kill bacteria, pests and devitalise seeds.

Gamma irradiation is known as a 'Cold Process', which means it does not significantly increase the temperature of the processed product. This makes it ideal for sterilisation and decontamination of packaged goods.


It works by breaking down bacterial DNA and inhibiting bacterial division. Products or substances that are exposed to gamma rays (which are similar to UV) experience a disruption to their organic processes that cause contamination.

Steritech uses the isotope Cobalt-60, which is manufactured specifically for the irradiation process and is housed in specially designed chambers operating to strict standards and regulations.

The product being treated does not come into contact with the Cobalt-60. When the process is complete, the energy does not remain in the product, making it safe, efficient, chemical free and ready to use as soon as processing is complete.

What are the benefits?

- Highly reputable process
- Trusted and used worldwide
- Total penetration capability even with products that have multiple packaging
- Seals are not stressed so packaging remains intact
- Reliable, consistent results
- Services broad product applications
- Safe and environmentally friendly



***“Gamma Irradiation
is an efficient,
chemical-free
sterilisation method
safe to use on large
volumes of high or
low density product”***



Gamma Irradiation Process

Products received and
scheduled for treatment



Products loaded on conveyor for
transport into irradiation room



Products are exposed to gamma rays
until required parameters are reached



Products unpacked off conveyor
system for release and dispatch

Ethylene Oxide (EtO).

Ethylene Oxide Processing. Safe, effective sterilisation every time.

Providing tailored solutions to meet specific requests is an important aspect of our business model and is what has made us a world leader in our field. EtO processing was introduced as a response to our customer's requests and demonstrates our ability to be proactive, innovative and committed to offering our customers a complete service that meets their needs.

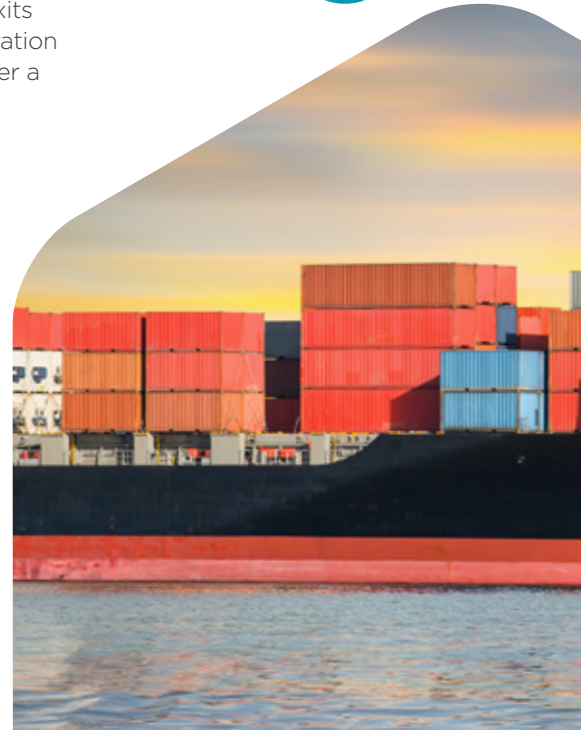
EtO is a gas that uses a powerful alkylating agent to sterilise a wide range of products. Ethylene Oxide prevents cells from reproducing and can kill all known viruses, bacteria and fungi, including bacterial spores.

Compatible with a number of materials, it is commonly used in the medical field for the sterilisation of medical equipment, with Australian hospitals among some of Steritech's major customers for EtO processing. The process is also used outside the healthcare industry, mainly as a treatment for goods requiring quarantine clearance for both imported and exported goods.

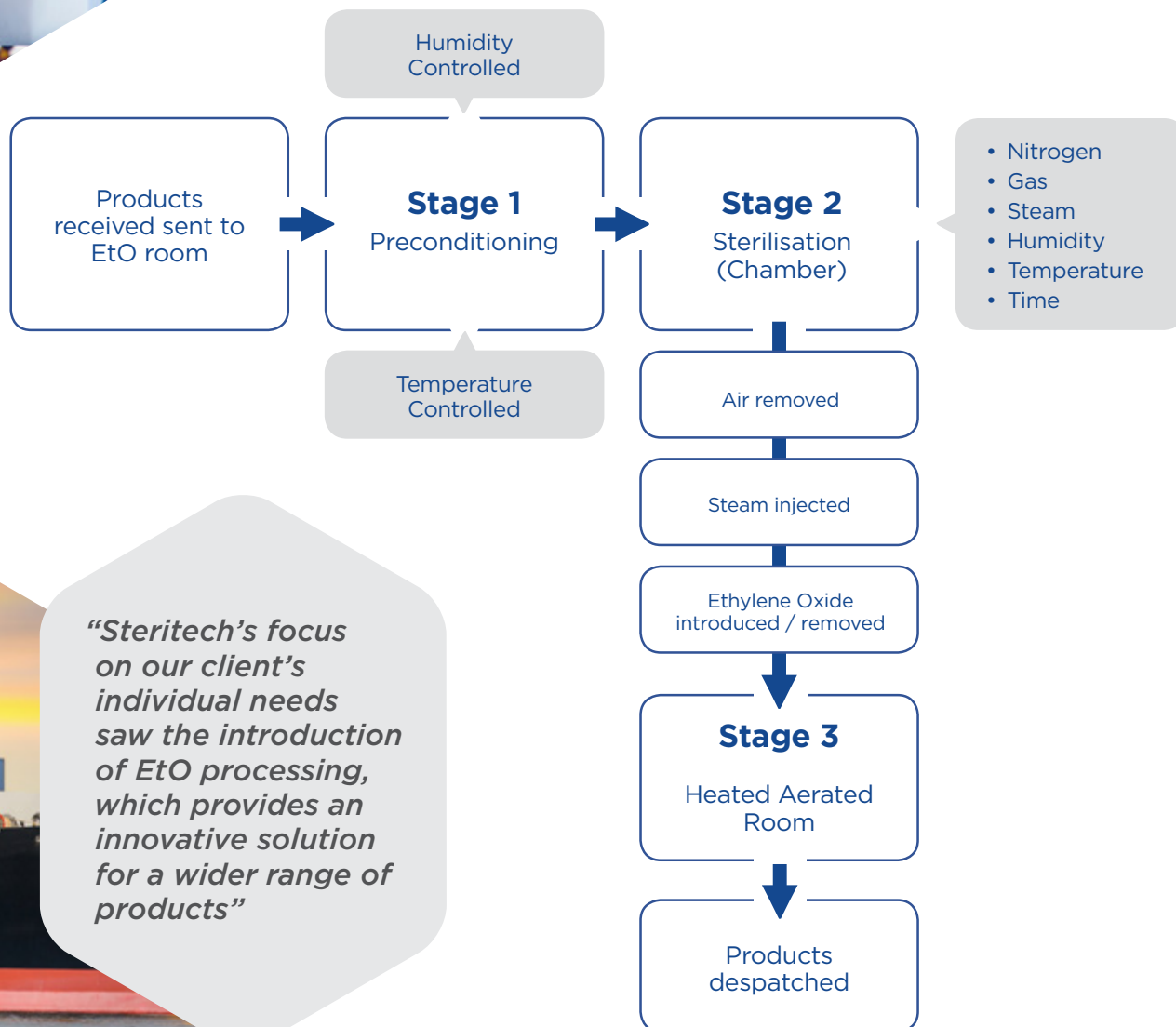
The process of applying EtO is carefully managed during multiple stages. Firstly, the product is brought to the necessary temperature and moisture content. It is then placed in a custom designed EtO chamber where all air is removed and controlled amounts of steam and EtO are introduced. Finally, the product exits the chamber and is automatically moved into a custom designed heated aeration room, where gas residuals are lowered to required customer/safety levels over a period of approximately 12 hours.

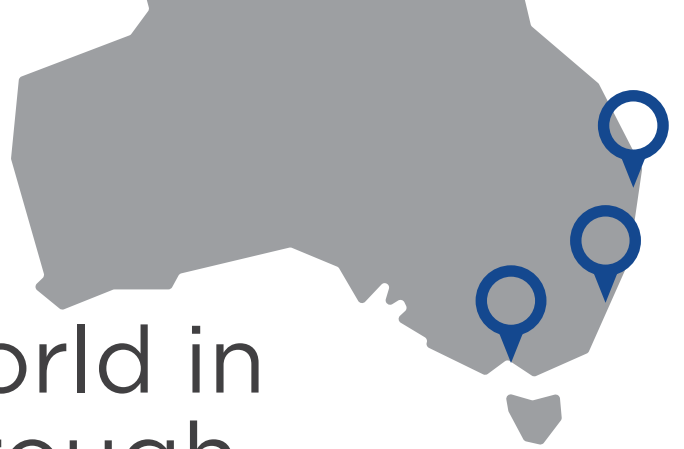
What are the benefits?

- Global best practice process approved worldwide by international regulatory bodies
- Sterilises a wide range of products including medical equipment
- Suited to bulky products
- Can sterilise plastics which may not cope with other processing methods
- Large sterilising volume/chamber capacity



Ethylene Oxide Processing (EtO)





Leading the world in sterilisation through innovation and client-focused solutions is what matters.

Since Steritech emerged in Melbourne in the 1970's as the pioneer for gamma irradiation processing, we have continued to pave the way for sterilisation and decontamination processing throughout the world.

Today, as market leaders with a worldwide reputation for safety and assurance, we are the treatment provider of choice for an extensive variety of industries, government agencies and businesses worldwide.

With the only commercially available irradiation plants in Australia, our expertise and resources matter.

With plants located in Melbourne, Sydney and Brisbane, Steritech offers our customers Gamma Irradiation and Ethylene Oxide contract processing.

We have the capacity, resources and expertise to service an extensive variety of industries both domestically and globally. From medical products to quarantine goods, Steritech routinely processes over 1,000 different products.





Putting our customers first is what matters.

We believe in providing our customers with the most innovative, value-for-money solutions that deliver results above and beyond expectation.

As a proud family owned and operated company, this more personal, 'hands-on' approach gives Steritech a unique point of difference and advantage in the market.

Providing more market access to our clients matters.

With our focus on innovation and commitment to research, Steritech is opening up a whole new world for many of our clients, providing opportunities to expand and increase the speed to market.

Phytosanitary irradiation is one of the newest, most exciting tools for Australia's exporters and consumers around the world and is used extensively for domestic food production globally, such as mangoes, table grapes, cherries and many other fresh commodities.

Steritech's Queensland facility was one of the first pallet irradiation plants in the world customised to provide phytosanitary treatment for fresh produce.





Protecting businesses and unlocking export opportunities matters.

Steritech is committed to helping our clients grow their business in a world where borders are no longer barriers to trading. Having a competitive edge is crucial to success, and with our resources and technology, we can offer clients more opportunity to expand their business on a global scale.

For over 40 years, Steritech has been providing treatments for goods entering Australia and for exporters wanting to meet the quarantine requirements of overseas destinations. And we are continually working to break down the barriers for import and export, giving our clients access to new markets and unlocking opportunities they never thought possible.

Easy access to more markets matters.

Approved by Australian Biosecurity and recognised by many other overseas border protection agencies, Steritech's globally recognised processes can assist in opening pathways to countries where import conditions require a specific set of treatments.

Unlike other treatments, our Gamma Irradiation process treats products within a matter of hours, so they can reach their final destination much faster.

Protecting your brand matters.

With Australia's enviable reputation for pure, natural products gaining even more momentum, keeping products free from contamination and of the highest quality is crucial to ensure your brand's reputation and success on the world stage.

Extending shelf life matters.

With Steritech's Gamma services, products can be treated in finished packaging, within the shipping carton, so they are ready for immediate use as domestic products or for export. Eliminating spoilage bacteria in airtight packaging also helps to ensure products that need to travel long distances reach their final destination in top condition.







Agriculture

Protecting one of our most important commodities matters.

As a world leader in decontamination processes, Steritech is the trusted partner of choice within the agricultural industry. We help suppliers meet biosecurity and quarantine requirements when trading products between states in Australia or exporting overseas.

Our services are consistently used to eliminate a wide variety of contaminations within the agricultural industry, as well as providing sterile treatments on veterinary equipment.

Controlling contamination in agricultural products matters.

For over 40 years, Steritech has provided proven sterilisation and decontamination treatments across the agricultural industry.

Steritech is proud to play its part in keeping Australia's agricultural industry thriving. There are many uses for Steritech's services within the agricultural industry, some of them being:

- Elimination of insects and pests that have contaminated finished product and raw materials.
- Devitalisation of seeds for domestic use and goods leaving Australia. Main products are horse feed, general stock feed and bird seed.
- Sterilisation of products that require microbial control, such as growth media used in the manufacture of agricultural inoculants, veterinary equipment and animal diets used to supply the research community.
- Sterilisation of beekeeping equipment, to eliminate various diseases that are devastating to the beekeeping industry.





“Steritech helps grow agricultural trade by safely and effectively by keeping this vital commodity free from contamination.”



Stock feed.

Steritech's Gamma Irradiation process eliminates insect infestation in product, meets import and export regulations and industry guidelines to ensure devitalisation of seeds. This chemical-free approach to many issues encountered within the stock feed industry is recognised globally as a quick, effective and environmentally safe method of treatment.

There are many beneficial reasons stock feed suppliers rely upon Steritech's gamma irradiation services.

- Irradiation is a proven treatment to kill insects and pests
- Eliminates mould growth in both raw materials and finished goods
- Is a recognised phytosanitary treatment for goods requiring quarantine clearance for both domestic imports and product exported globally
- Kills E-Coli and Salmonella





Fresh Produce

Keeping the fruit and vegetable industry fresh matters.

Steritech's Queensland facility has been an innovation hub for the Australian horticulture industry in recent years. The facility itself was the world's first whole pallet irradiator built for the handling needs of perishable fresh produce and was also the first facility in the world to treat fruit for international export.

Phytosaitary irradiation is an efficient, chemical free alternative to existing export treatments such as Methyl Bromide and cold disinfestation. These treatments have strict temperature requirements that often reduce shelf life and impact eating quality. Phytosanitary Irradiation has a distinct advantage in that it maintains the cold chain's integrity.

Safe, fast and effective, Phytosanitary Irradiation is becoming the preferred and trusted treatment of Australia's trading partners in markets such as USA, New Zealand and Vietnam. The treatment is a simple wave of energy which passes through the packaging and fruit much like an X-ray. It is capable of treating premium packaged products as well as insects found inside the fruit itself. In the past, both of these scenario's would have been otherwise difficult or impossible to treat using established processes.

For high value, highly perishable products such as berries and cherries, the treatment has a notable shelf life and quality advantage when compared to product treated by other means. In a number of trials, Steritech's treatment has also exhibited a shelf life advantage when compared to untreated control samples, where the onset of mould and decay defects was delayed by the sterilising effect of irradiation.

Irradiation enhances the flexibility of Australian growers and exporters to deliver cleaner, fresher fruit faster. Australia has established irradiation protocols to seven markets that include USA, New Zealand, Vietnam, Indonesia, Malaysia, Thailand and Cook Islands. This list continues to grow, as does the list of other major exporting nations that are quickly adopting the same technology.





“Steritech’s ground-breaking chemical and gas free treatment is empowering Australian growers to deliver higher quality fruit to premium markets faster, often within 72hrs of leaving the farm gate. This is a key advantage to maintain and expand Australia’s competitive position.”





Pet Products

Protecting one of our fastest growing industries matters.

The pet food industry places a high value on the safety of their products. As more pet food is produced, the chances of contamination and spoilage increase.

Steritech's reputation for using reliable, safe decontamination processes to maintain the quality of pet products is renowned amongst the industry, giving this rapidly growing market peace of mind.

Our Gamma Irradiation process eliminates bacteria and other contaminants from a wide range of pet products. Gamma Irradiation in particular, is an easy way to kill bacteria and pests and can also extend the shelf life of the finished product.



"Steritech's Gamma Irradiation process ensures the high quality of pet products is maintained to protect our customers brand."





Exporting.

Globally, there is increased demand for Australian produced pet products. Steritech's services are continuously required by exporters to ensure their products comply with the import conditions imposed by the country of destination.

As an experienced treatment provider, Steritech's sets a high standard in ensuring its processes deliver the necessary treatment parameters needed for product to gain entry into the global market. Using this experience and knowledge gained over 40 years of providing quarantine treatments, our customers have peace of mind knowing Steritech provides reliable and effective treatments to assist in opening up market access overseas, whilst protecting their brand.

Importing.

As an Australian Biosecurity approved treatment provider, Steritech is continuously relied upon to offer a treatment service that assists pet product importers in meeting their treatment requirements and getting product to their customers as quick as possible.

We consult with our customers to find the best treatment that matches their needs. With our vast experience in providing Biosecurity approved treatments on pet products, our customers are well positioned to receive the highest standard of service that is both time and cost competitive.

Domestic.

Providing treatments to pet products produced and sold within Australia is a task Steritech provides with great pride. Our Gamma Irradiation process assists customers to eliminate contamination in pet products, such as E-Coli and Salmonella.

Product can be treated in finished packaging so they are ready for supply as soon as the treatment is complete. With many years of knowledge and expertise, Steritech works closely with our customers to provide a service that ensures they are supplying their clients with the highest quality products, free of potentially brand damaging contaminants.





Healthcare

Protecting patient safety really matters.

The healthcare sector is a key industry for Steritech and a crucial part of our DNA. Some 40 years ago, we began successfully using Gamma Irradiation for the sterilisation of medical products. As the needs of the industry grew, so did our investment in research, resources and technical expertise that confirmed our commitment to this vital sector. In 1999, Steritech commissioned its first Ethylene Oxide sterilisation chamber and since then has significantly increased its processing capacity to meet customer requirements.

Steritech treats medical equipment across our sites in Melbourne, Sydney and Brisbane. Our treatments are highly effective and reliable at removing bacteria, viruses and other pathogens. Gamma irradiation and EtO can penetrate packaging, is suitable for most medical equipment and most importantly, safe for the healthcare practitioner and the patient.

Today, more than 90% of all single use medical devices worldwide are sterilised by irradiation or EtO.

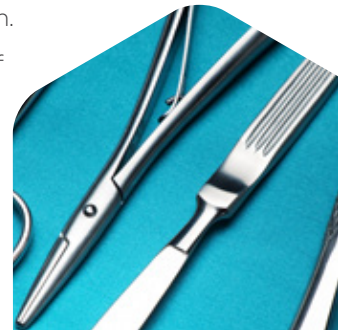
Helping to improve healthcare standards in hospitals and clinics is a responsibility we take very seriously, and we are immensely proud to be the leading supplier of sterilisation services to the Australian healthcare sector.

Protecting Pharmaceutical & Cosmetics industries matters.

In these highly competitive industries, no manufacturer or importer/exporter can afford contamination, with customer backlash and returns of contaminated products spelling disaster for a product or brand.

Steritech treats everyday cosmetics, sanitary products and pharmaceutical raw materials at our sites in Melbourne, Sydney and Brisbane, with our irradiation and ethylene oxide (EtO) gas techniques helping to ensure product integrity by minimising any risks relating to microbiological contamination.

Highly effective and reliable, these methods are suitable for a variety of products, can penetrate packaging, and are safe for consumers.





“Steritech keeps the medical, pharmaceutical and cosmetic industry protected with safe, effective and environmentally friendly sterilisation techniques”



Protecting what matters



Quarantine

Protecting Australia from exotic pests and diseases matters.

Australia has very strict quarantine laws, and preventing the introduction of exotic pests and diseases is crucial.

Steritech's standards are just as strict, and we are proud of our world-class reputation for safety and integrity in sterilisation and decontamination processing.

Our Irradiation and EtO treatments are applied extensively to imported and exported goods where regulations require absolute adherence to all biosecurity conditions.

Safe and effective, these processes are used to eliminate and prevent contamination of imported goods that can threaten the Australian economy and environment.

Steritech also offers a significant advantage for importers and exporters in that both Irradiation and EtO processes can be conducted at the same site, saving time and money.

Steritech is fully approved by Australian Biosecurity, and complies with all legislation and standard requirements.





*“Steritech’s superior
sterilisation and
decontamination
treatments help ensure
exotic pest and disease
risks are eliminated
from imported and
exported commodities.”*





Protecting what matters



Packaging

Protecting the quality and integrity of packaging matters.

Packaging has the essential task of containing, preserving and protecting the product within, which means its integrity is vital.

Steritech's irradiation service provides sterility in a diverse range of packaging materials such as nylon, polystyrene and polyethylene.

Recognised as safe, environmentally friendly and extremely reliable, irradiation ensures no area or part of the packaging escapes exposure to the gamma rays. Total penetration on a broad range of packaging materials, including multi package goods is assured.

While irradiation will not adversely affect packaging integrity, our experienced team will advise you on what forms of packaging material are best suited to this process.





“Steritech protects a wide range of packaging and ensures it contains, protects and preserves the products within.”





Protecting what matters

Peace of mind. Quality and integrity matters.

Quality Systems.

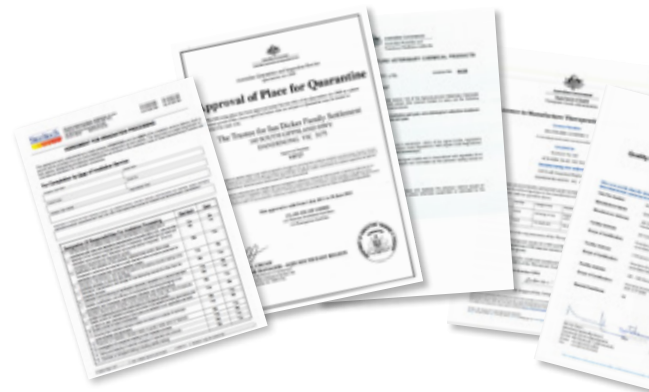
At Steritech, we continuously strive to ensure the best work practices are maintained at every stage of our business.

Our quality system ensures customers parameters are met. All product movement through our Gamma Irradiation and EtO processes are continually tracked. This ensures the product is not compromised and meets all state and national requirements.

By adopting the highest quality assurance standards, we can satisfactorily serve the interests of our customers, our organisation and the general public.

Certification.

Steritech is licensed and accredited by a number of authorities, including the Therapeutic Goods Administration, Australian Biosecurity, Australian Pesticides and Veterinary Medicines Authority, the United States Department of Agriculture (USDA) and the relevant State Environmental Protection Agencies and Radiation Healthcare Departments.



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We consider our business first and foremost a people business. Giving our clients a service of excellence that helps them achieve success matters. Ensuring all our employees have a safe, happy and secure work environment matters.

Many of our highly trained, knowledgeable and experienced team have been with Steritech for more than 20 years and, to this day, are committed to delivering the highest standard of service, innovative and client-focused solutions to ensure our continuing prominence as a global leader in the sterilisation and decontamination industry.

Safety and the environment.

Protecting our employees, customers and the public matters.

Steritech has a well-recognised reputation for safety, reliability and efficiency, and we consider the safety of our employees, customers and the general public to be paramount.


To ensure our work practices are safe and environmentally friendly, we liaise with various regulatory bodies. We comply with all national and international safety standards and regulations.

Steritech has the required State Government licenses and approvals to operate our plants in Melbourne, Sydney and Brisbane, where we welcome regular inspections from state regulatory authorities and customers.

Our licences include: Manufacturer's Licence from the Therapeutic Goods Administration; Manufacturer's Licence from the Australian Pesticides and Veterinary Medicines Authority; Approved Premises for Quarantine from Australian Biosecurity; State Radiation Healthcare and EPA Licences.

We are also certified by the United States Department of Agriculture (USDA) for the phytosanitary treatment of fruit prior to exporting to the United States.





“Steritech is justifiably proud of our quality and control systems, and our excellent record in safety and environmental performance is second to none.”





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