ABOUT FISHER CLINICAL SERVICES ASIA PACIFIC

Fisher Clinical Services is exclusively focused on serving the packaging and distribution requirements of clinical trials across the world. Over time Fisher Clinical Services has established the industry’s largest network of fully owned cGMP facilities strategically located around the world to support the conduct of clinical trials.

Our continued investment in the Asia Pacific region—Singapore (first facility 2001), Beijing, China (2007), India (2008), Japan (2009) Suzhou, China (2014)—provides the global presence, information systems and quality standards to extend clients the flexibility, access and assurance needed for their clinical trial. Understanding the intricacies behind clinical trials, coupled with our strong presence in the Asia Pacific region, we provide a global expertise with robust knowledge of the local markets (Table 1 and Figure 1).

Table 1. Facility Facts.

<table>
<thead>
<tr>
<th>Fisher Clinical Services Business</th>
<th>Clinical Supply Chain/Logistics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Facility Location</td>
<td>Fisher Clinical Services</td>
</tr>
<tr>
<td>10 Toh Guan Road</td>
<td>10 Toh Guan Road</td>
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<tr>
<td>#03-11/12</td>
<td>#03-11/12</td>
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<tr>
<td>Singapore 608838</td>
<td>Singapore 608838</td>
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<tr>
<td>Facility Size</td>
<td>70,000 sqft (6,500 sqm)</td>
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</tbody>
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Figure 1. Facility facts Fisher Clinical Services Singapore.
FACILITY FACTS

- 70% increase in overall facility area size to 6,500 sqm
- Integration of both the warehouse and office space for improved productivity
- New climatic control technology that reduces energy consumption but at the same time improving energy efficiency
- Convenient location in the heart of Jurong East, Toh Guan Road where the key pharmaceutical and biotech companies reside in the vicinity

ABOUT FISHER CLINICAL SERVICES SINGAPORE

At Fisher Clinical Services Singapore we are proud to be the industry’s most established clinical supplies provider in the Asia Pacific Region. Singapore, although one of the smallest countries in the world, is strategically located to distribute clinical trial supplies to surrounding Asia Pacific countries. Singapore facilitates trials in Indonesia, Bangladesh, India, Pakistan, Thailand, Vietnam, South Korea, China, Japan, Hong Kong, Taiwan, the Philippines, Malaysia, South Africa, Australia and New Zealand.

Our new state-of-the-art GMP facility, opened in November 2015, is located in the Jurong East vicinity, to serve global pharmaceutical and biotech companies to meet their clinical supply needs - GMP storage, local labeling, secondary packaging, comparator sourcing, handling and distribution of ambient and cold chain supplies through to returns management. Our highly motivated, skilled professionals are fully trained to address the unique nuances of clinical trials in the Asia Pacific Region. Our customer service teams and professional project managers maintain the highest quality standards whether current Good Manufacturing Practices (cGMP) or strict international regulatory compliance.

Chow Wengyin, General Manager, Fisher Clinical Services, Singapore says “We believe that our continued expansion and move to this new 70,000 ft² GMP facility is testament to our operational excellence, our flexibility and the breadth of services that we provide to support the continuum of supply chain needs within a clinical trial setting seamlessly and cost-effectively. We invite you to visit us in Singapore.”

Fast Facts on the Healthcare Industry in Asia Pacific region

- The fastest growing region for the number of registered trials is Asia. This trend will continue throughout the coming 10 years, (clinicaltrials.gov).
- The proportion of clinical trial studies conducted in emerging Asian markets has grown in the past decade due to lower study costs & large patient populations.
- APAC Healthcare is predicted to have a CAGR of 12.8% between 2013-2018 vs global growth rates of less than 6%.
- Governments in APAC are streamlining healthcare regulations & applying reforms to give more people access to healthcare.
- APAC is one of the largest marketplaces for speciality hospitals due to the increase in lifestyle and chronic diseases – diabetes, coronary heart disease & cancer.
- Changing demographic trends with increased urbanization of the population is calling for new healthcare infrastructure in newly developed satellite cities.
- Increased life expectancy of the Asian population is resulting in more elderly people requiring long term care. In 2018 11.3% of the population will be 65+ years of age.
- Asian pharmaceutical companies are making their mark, running global trials for new drugs manufactured in Asia.

ABOUT THE FACILITY

The Industry’s Most Established Clinical Supplies Provider in the Asia Pacific Region (Figure 2).

Singapore’s strategic location at the crossroads of international trade and shipping routes, enhanced by excellent airport and sea port infrastructure, and its free trade policy has made Singapore an Asia hub for the shipment of clinical trial supplies (Figure 2).

Location: Southeast Asia
Population: 5.47 million
Nearest Airport: Singapore Changi (SIN)
Distance from Airport to Facility: 32.7 Km
City: Singapore
First Facility Opened: 2001
Figure 2. About the Facility.

New Facility Opened: 2015

Total Capacity:
509,591.1 ft³
14,430 m³

Secondary Packaging Rooms: 4

Warehouse Capacity (Controlled Ambient)
208,985 ft³
5,917.8 m³

Warehouse Capacity (Ambient–Non Aircon Warehouse)
104,715.1 ft³
2,965.2 m³

Refrigerated Storage
153,290.5 ft³
4340.7 m³

Frozen Storage Capacity (-20)
32,365.92 ft³
916.5 m³

Controlled Drug Storage Capacity
10,234.2 ft³
289.8 m³

Environmental Technologies: Yes

Audited: HSA Singapore

Comparator Sourcing: Yes Manufacturing: No Returns and Destruction: Yes

Further Information on the New Facility

- Fisher Clinical Services Singapore, a global leader in clinical supply chain management, has set up and moved into a spacious new state-of-the-art facility, spanning over 58,000 ft², a significant expansion of 1.5 times the original facility.
- The new facility, strategically located in the Jurong East vicinity, houses a growing inventory and staff population and also completes the integration of Fisher Clinical Services’ Singapore office and its warehouse by housing both on the same floor. This allows a more seamless interaction in daily operations and project coordination, resulting in enhanced productivity.
- Our enhanced storage capacity at our new facility in Singapore caters for a total of 1,000 pallet locations and 14,000...
shelving locations. The floor area for Controlled Ambient storage has increased to 26,000 ft\(^2\), and Cold and Freezer has doubled in floor area to 12,000 ft\(^2\) and 2,500 ft\(^2\) respectively. Our new facility was built with very latest building upgrades in mind, such as enhanced sound and heat insulation, ensuring that the facility remains a safe and conducive work environment.

- Playing its part in keeping the earth green, the company cuts down on its energy consumption by employing a new technology of Climatic Control in the entire facility. The modulating reactivating humidifier helps to eliminate waste by varying the supply of energy to its heaters. Similarly, the facility’s new air-conditioning system uses a chilled water system with fan coil units, translating to lower energy consumption and lower maintenance costs in the long run.

- A Building Monitoring system (BMS) has also been set up to provide more timely status updates on major equipment within the facility. In addition, the BMS enhances security, access controls and also improves reaction time in contingencies, with backup generators that are able to maintain the power supply to the huge facility for up to 6 hours in the event of a power failure.

- As with all international establishments, security is an important factor to ensure the safety of the facility and the well-being of its staff members. With an increased number of CCTV units and a new and improved optical biometric finger scan system, the facility provides a higher level of security to its inhabitants, making safety the number one priority. In the unlikely case of an emergency, the facility is also well-equipped to continue functioning on its generator which can last up to 6 hrs.

**More about Fisher Clinical Services**

- Fisher Clinical Services has exclusively focused on serving the packaging and distribution requirements of clinical trials across the world for 25+ years. Our suite of services has been developed to support the continuum of supply chain needs within a clinical trial setting seamlessly and cost-effectively- GMP storage, local labeling, secondary packaging, comparator sourcing, handling and distribution of ambient and cold chain supplies through to returns management.

- With exposure to multinational trials and thousands of protocols every year, across all therapeutic areas, for large and small pharmaceutical and biotechnology companies, Fisher Clinical Services has developed the industry's best practices in clinical supply chain management to serve the needs of global pharmaceutical and biotech companies worldwide. Our customer service teams and professional project managers maintain the highest quality standards whether current Good Manufacturing Practices (cGMP) or strict international regulatory compliance.

- More than a logistics service provider, Fisher Clinical Services is a pioneer in Clinical Trials supply chain, with a global footprint of strategically located facilities to serve pharmaceutical and biotech companies all over the world. Fisher Clinical Services offers integrated logistics in-house expertise, owning Clintrak Labeling and Priority Solutions International, a premium courier. This provides a one-stop for our clients, eliminating the needs for multiple contractors, limiting the number of hand-offs and ensuring control, compliance and visibility across the supply chain. The distribution of clinical trial supplies On-Time-In-Full is of extreme importance to us as we ensure to deliver the right supplies to the right patient, on-time and without compromise.