

## Australian Pharmaceutical Manufacturer Improves Productivity with 3WS

### Customer Background

3WS association with iNova Pharmaceuticals dates back to the early 90's when it was still trading under 3M Pharmaceuticals. 3M was renowned for its Over-The-Counter (OTC) and prescription pharmaceutical products such as: Diffiam, Duro-Tuss, Aldara, Duromine and Tambocor. In 1992, the DOS version of 3WS was fully installed together with the interfaces. In 2000, the Windows version of 3WS was fully validated and installed.

***“We have been using 3WS for a number of years starting from 1990 and found that the latest windows version of 3WS has provided significant improvements and greater customizability”***

*Mr Jerry Lin, Validation Project Manager, iNova*

As of 2006, the business is now operating under the name iNova Pharmaceuticals. iNova distributes its own products to South Africa and throughout the Asia-Pacific region.

### Customer Requirements

Prior to the introduction of 3WS in 1990, 3M relied heavily on a second operator check for dispensing, granulation, liquids and manufacturing.

***“With the help of 3WS, only one operator is required during dispensing. This has saved the company a huge amount of money in labor.”***

*Mr Jerry Lin, Validation Project Manager, iNova*

3M management reviewed their overall production operations and perceived that the second check operators practice were very labour intensive. To save costs on labour and increase productivity, management decided to install the DOS version of 3WS, which allowed them to adapt to the regulated nature of the pharmaceuticals industry.



The latest 3WS upgrade at iNova introduced FDA-level audit trailing. The integration with advanced database tools (MSSQL Server 2000) to store dispensing records was also an important enhancement. These were all requirements for a TGA license; where a site must be able to demonstrate, during each factory audit, compliance with manufacturing principles including stringent codes of good manufacturing practice (GMP).

### Wayahead Solution

3WS is extensively used at iNova. This is aptly explained by Jerry Lin, iNova's 3WS Validation & Installation Project Manager. “3WS is being used by Manufacturing on a daily basis to dispense raw materials by operators, to query current batch progress by supervisors and to assist QA in any investigations. We have been using 3WS for a number of years from 1990 and found that the latest windows version of 3WS has provided significant improvements and greater customizability”.

iNova use automatic interfaces between 3WS & ERP, to transfer lotnos and approved work orders to 3WS, then upload usage values back to ERP.

iNova also are taking advantage of the multiple production activity reports available in 3WS, where they can save on man hours for production report preparation.



The recent upgrade was carefully planned and executed to minimise disruption to production. As Jerry Lin explained, “We completed 130 of these test scripts during our validation of 3WS. This made the computer validation work easy and cost effective. Resources were also provided during the installation qualification stage which allowed our company to execute the project in the shortest timeframe.

In assisting iNova to validate 3WS, Jerry Lin added, “Wayahead Systems has more than 700 test scripts to assist us during the validation. The test scripts are useful tools in the preparation of our internal validation documents and for the understanding of the system. Wayahead’s internal QA document and support have also turned the validation engineers’ knowledge of 3WS from nothing to everything. Wayahead Systems also provided resources to assist our validation process”.

***“We completed 130 of these test scripts during our validation of 3WS. This made the computer validation work easy and cost effective. Resources were also provided during the installation qualification stage which allowed our company to execute the project in the shortest timeframe.”***

*Mr Jerry Lin, Validation Project Manager, iNova*

There are currently two dispensing rooms, three granulation rooms and two liquid rooms in operation equipped with 3WS at iNova. Most rooms are used 24 hours per day, six days per week.

### Future Developments

Future 3WS developments and expansions are being considered at iNova. Jerry Lin explained that “3WS is used for dispensing activities. We are looking closely at the Manufacturing module, which might be a great tool in minimizing the discrepancy between paper work and the system”.

SITE SUMMARY	
<b>Company Details</b>	
Company Name	iNova Pharmaceuticals
Location	Sydney, Australia
Industry	Pharmaceuticals
<b>Technical Details</b>	
3WS Modules	Dispensing Interfaced with ERP
3WS Platform	Windows 2003 Server, XP
3WS Database	MS-SQL 2000
<b>MAJOR BENEFITS</b>	
<ul style="list-style-type: none"><li>• Costs saving from eliminating second checker</li><li>• Faster production operations</li><li>• TGA/FDA compliant and validated</li><li>• Secure, paperless manufacturing</li><li>• No hand written documentation</li></ul>	