

## ASX Announcement

### Recce constructs automated manufacturing facility to support clinical trials

**SYDNEY Australia 22 June 2017:** Recce Limited (ASX: RCE), a pre-clinical-stage pharmaceutical company engaged in the development of a new class of synthetic antibiotics, today announced it has completed construction of a wholly owned production facility in Macquarie Park Sydney with expected outputs capable of supporting RECCE® 327 through both Phase 1 and Phase 2 human trials.

The completion of construction works, procurement and equipment testing is a critical milestone for producing a higher standard of product accordingly to the US Food and Drug Administration's (FDA) good laboratory practice (glp) guidelines for remaining pre-clinical tests and beyond.

The new automated manufacturing process developed by Recce has been constructed using off the shelf components including the latest bioreactor technology by German Pharmaceutical equipment manufacturer Sartorius Stedim - saving on development costs, lead times and certifications.

For the first time, Recce's manufacturing process transitions from a manual laboratory method to automated in-house production. Early indications support extraordinary production economies and scalability.



Chief Chemical Engineer Arthur Kollaras & Executive Chairman Dr Graham Melrose



ASX: RCE

**Head Office - Perth** Suite 10, 3 Brodie Hall Drive, Technology Park, BENTLEY WA 6102 **T** +61 (8) 9253 9800 **F** +61 (8) 9253 9899

**Sydney Office** Level 34, 50 Bridge Street, AMP Centre, SYDNEY NSW 2000 **T** +61 (0)2 8216 0768 **F** +61 (0)2 8216 0701

**Washington Office** 1717 Pennsylvania Avenue NW, Suite 1025, WASHINGTON DC 20006 USA

Early testing by Chief Chemical Engineer Arthur Kollaras has shown expected production outputs of 1 litre per day of RECCE® 327 with yields in the order of 99-100%.

The manufacturing process includes a computer controlled reaction vessel, monitoring all process parameters, with a connected sterile packaging unit expected to produce at the current scale around 50 x 150ml drip bags per week. This is more than capable of servicing both phase 1 and phase 2 clinical testing, and is expected to meet name-plate production standard within 4 weeks.

The remaining commissioning of the plant will ensure the systems and processes that have been developed and implemented within the Perth facilities are now extended to include automated manufacture at high pharmaceutical standards in Macquarie Park.

Recce Executive Chairman Dr Graham Melrose said: “The business now has a world-class manufacturing facility designed to supply FDA-standard batches of our synthetic antibiotic, RECCE® 327, for anticipated clinical trials. Automating the manufacturing process is cost-efficient and ensures product of the highest quality.”

### **About Recce Ltd**

Recce Ltd (ASX: RCE) is a world-leader in synthetic-polymer compounds, particularly against all bacteria, and viruses. The RECCE® polymers have been synthesized by an extremely economic method. RECCE® polymers have shown in laboratory tests that they have continued activity against bacteria, including superbugs, even after repeated use. Recce is positioned to achieve milestones in both pre-clinical trials for FDA purposes, and the development of the manufacture of RECCE® 327. Recce has granted patents in Australia, United States, Europe, Japan and China – giving it legal monopolies, and potential financial returns, from manufacture and distribution of its products in about 80% of the world’s pharmaceutical markets for antibiotics.

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**Investor Relations**

Peter Williams  
CFO & Company Secretary  
Recce Ltd  
Tel: (08) 9253 9800

**Media (Australia)**

Andrew Geddes  
CityPR  
Tel: (02) 9267 4511

**Media (International)**

Sue Charles/Gemma Harris  
Instinctif Partners  
Tel: +44 (0)20 7866 7860  
E: [recce@instinctif.com](mailto:recce@instinctif.com)

