

## ASX Announcement

### Recce Pharmaceuticals Presenting at the H.C. Wainwright Global Life Sciences Conference

**Sydney Australia, 10 March 2021:** Recce Pharmaceuticals Ltd (**ASX: RCE, FSE:R9Q**) (**Company**), the Company developing New Classes of Synthetic Anti-Infectives, today announced Chief Executive Officer James Graham is presenting an overview of the Company's business, pipeline and recent corporate updates at the H.C Wainwright Global Life Sciences Conference. The virtual conference is held from March 9 – 10, 2021 (US Eastern Standard Time).

The event will incorporate a number of panel discussions, company presentations and one-on-one meetings with professionals within the investment and research industry.

A webcast and copy of the presentation will be available on the [Company's website](#) and on demand to registered conference attendees. A copy of the presentation is also attached.



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This announcement has been approved for release by Recce Pharmaceuticals CEO.



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***Corporate  
Presentation  
ASX:RCE***



**HCW**  
H.C. WAINWRIGHT & CO.

***March 2021***

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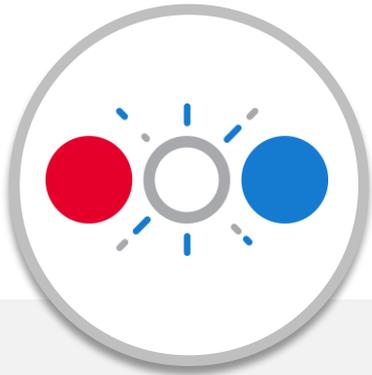
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# About Recce Pharmaceuticals Ltd

*Recce Pharmaceuticals (ASX:RCE) is commercialising a New Class of Synthetic Anti-Infectives to address the global health issue of antibiotic resistant superbugs and emerging viral pathogens.*



Listed on ASX 2016  
**(ASX:RCE)**

Listed on FSE 2021

Unique and universal  
**Mechanism of Action**

Water soluble over a broad  
range of pH levels



New Class of Synthetic Anti-Infectives that kill emerging viral pathogens as well as Gram + & Gram – bacteria, including their superbug forms - even with repeated use!

**RECCE® 327 & RECCE® 435 –  
bacterial indications**

**RECCE® 529 –  
viral indications**



RECCE® 327 awarded  
Qualified Infectious Disease  
Product designation under  
GAIN Act

**10 years market exclusivity**  
(post approval)

**Fast track**  
(life of regulatory process)



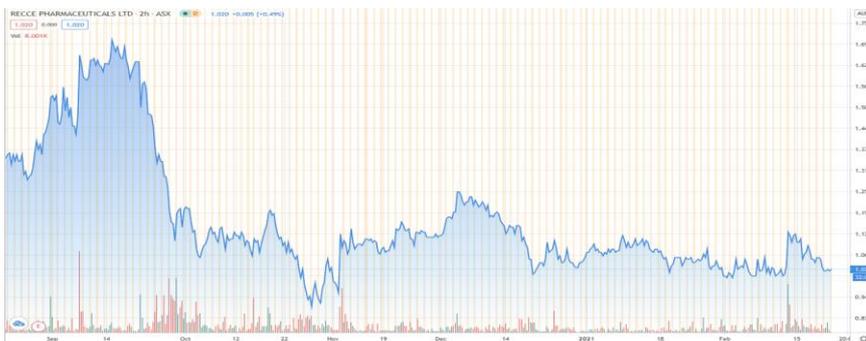
Patented  
manufacturing,  
producing to  
**Phase I & II  
volumes**

# Recce Pharmaceuticals Ltd - Capital Structure

## Major Shareholders – 2 March 2021

G & O Melrose*	23.6%
LDU Pty Ltd	4.0%
HSBC Nominees	3.7%
J Graham**	3.4%
Acuity Capital	2.6%
JP Morgan Nominees Aus.	2.3%
M Dilizia**	2.1%
Acewood Investments	1.8%
Querion	1.2%
Citicorp Nominees	1.1%

## ASX:RCE 6 months



## Snapshot\*\*\*

ASX code	RCE
Shares on issue 2 March 2021	173.77 million
Share price 2 March 2021	USD \$0.81 AUD \$1.035
Market Cap (approx.) 2 March 2021	USD \$140 million AUD \$179 million
Cash and deposits 31 December 2020	USD \$18.63 million AUD \$23.59 million
Trading range 52 week	USD 0.16c - \$1.48 AUD 0.21c - \$1.875
Average daily volume 3 months	290.91K
Debt	Nil

\* Inventor & Former Head of J&J Research (Australasia)

\*\* Held by Executive Directors

\*\*\*AUD converted to USD on 3 March 2021 at \$1 AUD = \$0.78 USD

# Board and Management Structure

## Dr John Prendergast – Non-Executive Chairman

*BSc (Hons), MSc (UNSW), PhD (UNSW), CSS (HU)*

US based, current Chairman and Co-founder of Palatin Technologies, Inc. (NYSE: PTN) and Lead Director of Heat Biologics, Inc. (NASDAQ: HTBX) – extensive experience in the international commercialisation of pharmaceutical technologies

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## James Graham – Managing Director & Chief Executive Officer

*BCom (Entrepreneurship), GAICD*

5 years as former Executive Director

Invested along-side shareholders in most capital rounds since inception.

Background in marketing, business development and commercialisation of early-stage technologies.

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## Dr Alan Dunton – Non-Executive Director

*BSc (BioChem) Hons, M.D. (NYU)*

US based, Director of Palatin Technologies. Over three decades of senior pharmaceutical experience incl. President and MD of Janssen Research Foundation (J&J Research). Dr Dunton has advanced a number of blockbuster antibiotics through regulatory review and commercialization at fortune 500 companies including J&J and Roche.

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## Michele Dilizia – Executive Director & Chief Scientific Officer

*BSc (Med Sci), Grad Dip Bus (Mkting), BA (Journ), GAICD, MASM*

Co-inventor and qualified medical scientist; specialisation in medical microbiology and regulatory affairs

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## Dr Justin Ward – Executive Director & Principal Quality Chemist

*BSc (Chem), PhD (Chem), MRACI, CChem*

A quality control expert who has worked with leading pharmaceutical companies, he is bringing Recce's research and development, and manufacturing up to US FDA requirements

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## Alistair McKeough – Company Secretary (Outsourced – Automic Group)

Alistair is a qualified lawyer and Principal of Automic Legal Pty Ltd, Alistair has broad experience as a commercial litigator and Company Secretary to ASX Listed companies

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## Justin Reynolds – CFO (Outsourced - Pitcher Partners Sydney)

Justin is a qualified accountant and Partner of Pitcher Partners Sydney, Justin has broad experience covering all areas of accounting, taxation and assurance. Justin's areas of expertise are business services and outsourced accounting

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## Arthur Kollaras – Principal Engineer & Head of Manufacturing

*BSc Beng (Chem), PhilEng (Enviro), MIEAust, MISPE*

Highly qualified in chemical engineering and microbiology, has significant experience taking a new technology concept to pilot plant and full-scale FDA standards and production internationally

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## Dr David Bowers – Chair of Clinical Advisory Committee

Leading spinal injury physician at Royal North Shore Hospital. Dr Bowers has a specialist interest in the treatment of complex and life-threatening antibiotic resistant infections, particularly among patients with severe spinal cord injuries.

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## Professor Philip Sutton – Head of *H. pylori* Development Program

Global infectious disease expert with over 30 years of research and industry experience, having served as former Head of Immunology at CSL Ltd in Melbourne. Chief Editor of textbook "*Helicobacter pylori* in the 21<sup>st</sup> Century" and has co-authored 92 manuscripts published in peer-reviewed journals. Professor Sutton currently leads Mucosal Immunology Group at Murdoch Children's Research Institute.

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# RECCE® – Multiple Anti-Infective Applications

Recce's technology enjoys the added opportunity of multiple markets and product categories.



INDICATION



DISCOVERY



PRE-CLINICAL



FIH SAFETY & EFFICACY



REGULATORY SUBMISSION



## Intravenous Administration

Phase I/IV study subjects screened in Q1 2021

- ▶ Severe Sepsis - Blood poisoning
- ▶ Pre Sepsis - Kidney and UTI infections



## Topical Administration

Phase I/II topical study HREC approved

- ▶ Skin and Skin Structure Infection - Wound Infection, Contraction



COVID-19

## Viral Indications

COVID-19 testing at National and International Scientific Facilities

- ▶ R327 Priority 1 Candidate Group - Australian SARS-CoV-2 Anti-viral Program
- ▶ R327 & R529 at Multiple US Scientific Research Institutions testing against SARS-CoV-2
- ▶ Influenza A and other significant respiratory infections



## Other Indications

New R435 to be tested against *H. pylori* with Murdoch Children's Research Institute

- ▶ *Helicobacter pylori* (*H. pylori*) - Leading Cause of Stomach Ulcers



# Natural Antibiotics vs Synthetic Antibiotics



**Natural Antibiotics**

- ▶ **Pre-formed** natural superbugs
- ▶ All Fungi or Bacteria based
  - *“Penicillin allergy is the most common drug allergy and is reported in up to 15 percent of hospitalized patients”<sup>1</sup>*
- ▶ Only as good as what’s found in nature
- ▶ Has always had naturally occurring superbugs, now multiplying out of control!



**Synthetic Antibiotics**

- ▶ **NO** pre-formed natural superbugs
- ▶ Entirely man-made and designed with purpose
- ▶ Universal Mechanism of Action - detailed experimentation demonstrates it does not succumb to superbugs
- ▶ Contains only what we want - not reliant on what’s found in nature
- ▶ Broad Spectrum capability and maintains its activity even with repeated use!

# Sepsis – it's a big problem!

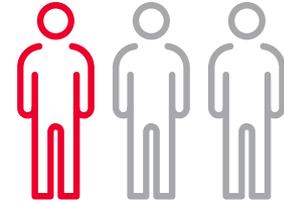
48.9 million incident  
cases of **sepsis**  
recorded worldwide<sup>1</sup>



11 million sepsis  
related **deaths** recorded<sup>2</sup>



**One in three** patients  
who **die** in hospital  
have sepsis<sup>3</sup>



- ▶ Sepsis is a life-threatening inflammatory response to infection that has spread in the body.
  - Kills more people in the US than **prostate, breast** and **HIV/AIDS** combined.<sup>4</sup>
- ▶ Has been the **most expensive condition to treat** in the last 8 years - **double the average cost per stay across all other conditions.**<sup>5</sup>
- ▶ **Currently no drug therapies specifically for the treatment of sepsis.**<sup>6</sup>

1,2,3 – The Lancet

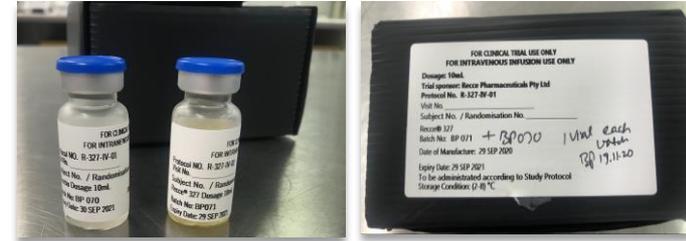
4 – BioMed Central

5 – University of Texas

6 – International Medicine Journal RACP

# RECCE® 327 Phase I Human Clinical Trial

- ▶ **Human safety and tolerability study to assess IV infusion of RECCE® 327 in 48 healthy subjects as a single ascending dose**
- ▶ Phase I trial agreement with leading clinical research organization PAREXEL
- ▶ Trial will be held at CMAX Clinical Research – an independent trial facility
  - ▶ **Facility meets international regulatory authority data entry and quality requirements including European Medicines Agency and US FDA**
- ▶ Formal subject recruitment to open for enrolments shortly
  - ▶ CMAX has more than 30,000 registered patient volunteers on file
  - ▶ Patient screened Q1, 2021



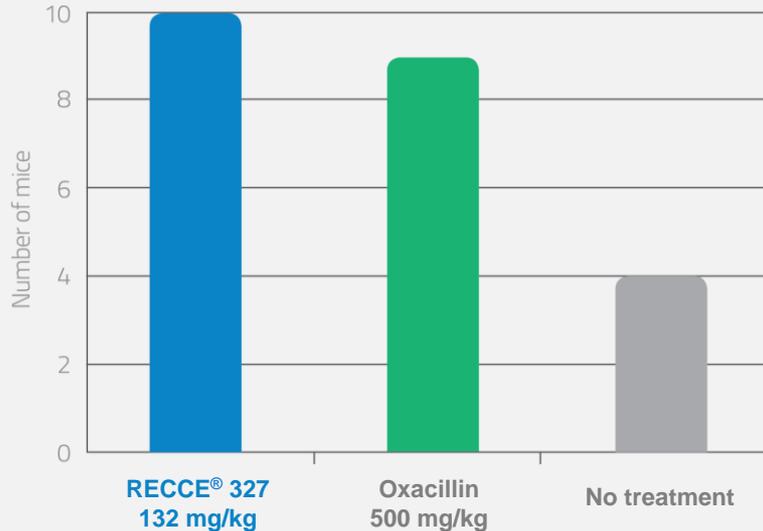
**Dispatched to Clinical Trial Facility (CMAX)**  
Placebo and RECCE 327 (I.V.) via Recce's  
Manufacturing facility (Sydney)



CMAX Phase I Clinical Unit

# RECCE® Antibiotics – Curative & Preventative IV Studies\*

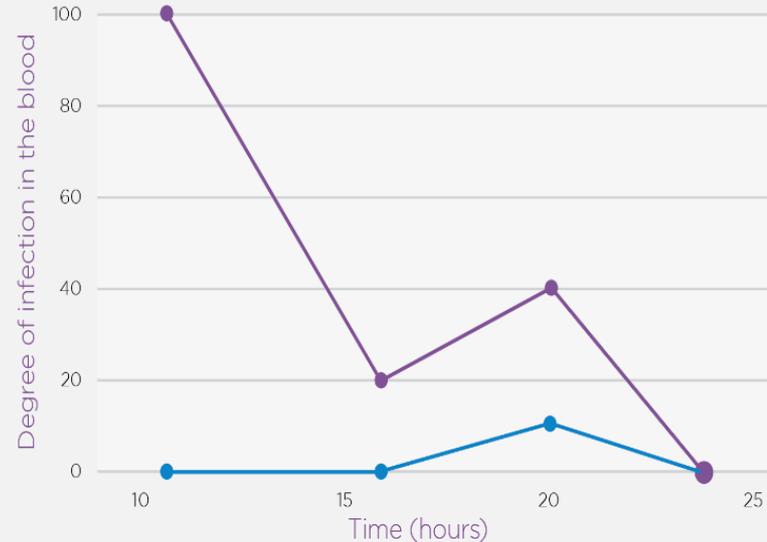
Number of mice that survived  
Sepsis from *S. aureus* (superbug)



- ▶ All ten mice treated with RECCE® antibiotic survived
- ▶ Nine mice treated with efficacious dose of Oxacillin (500 mg/kg) survived
- ▶ Four mice that had no treatment at all, survived

\* Results from an independent laboratory in USA

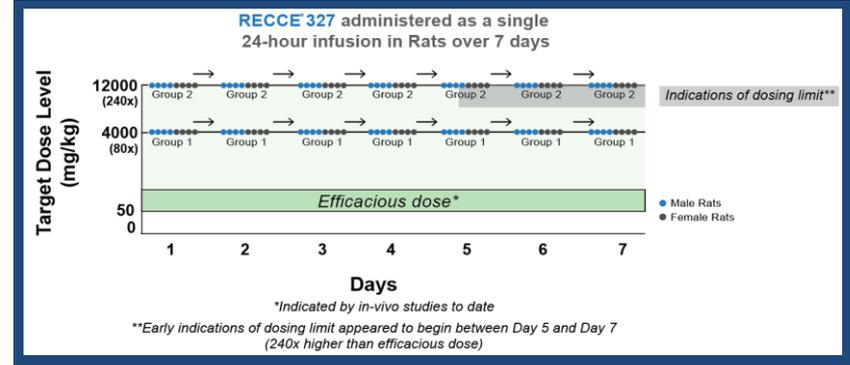
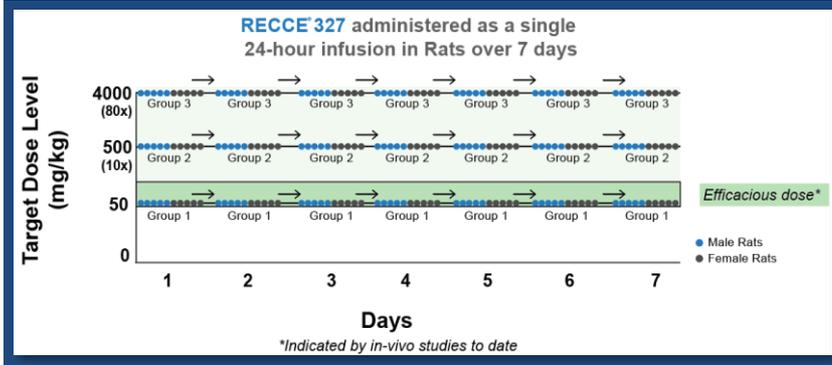
Infection in mice from  
*S. pyogenes*



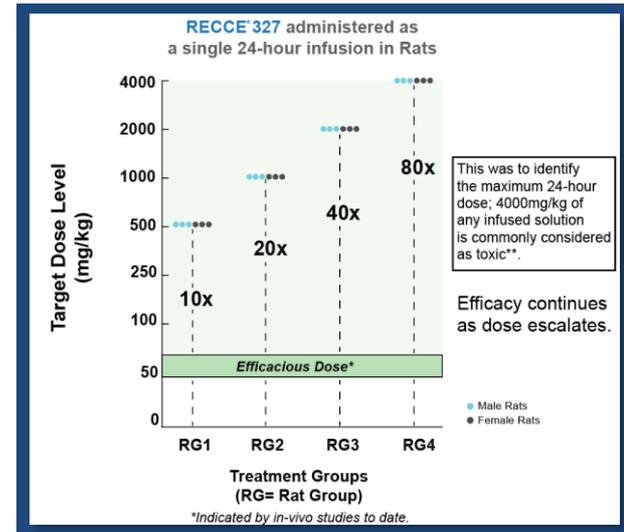
- ▶ **One group of ten mice** were administered a 167 mg/kg dose of RECCE® 327 at 0 hours. **Second group** received no antibiotic.
- ▶ Both groups inoculated with the *S. pyogenes* burden into the bloodstream.
- ▶ Mice results first monitored after 12 hours allowing bacteria to develop and establish an infection.
- ▶ Bacteria in the blood were rapidly killed and unable to establish an infection in the kidneys of mice who received RECCE® 327.



# Single Dose and Range-Finding Repeat Dosing - Rats

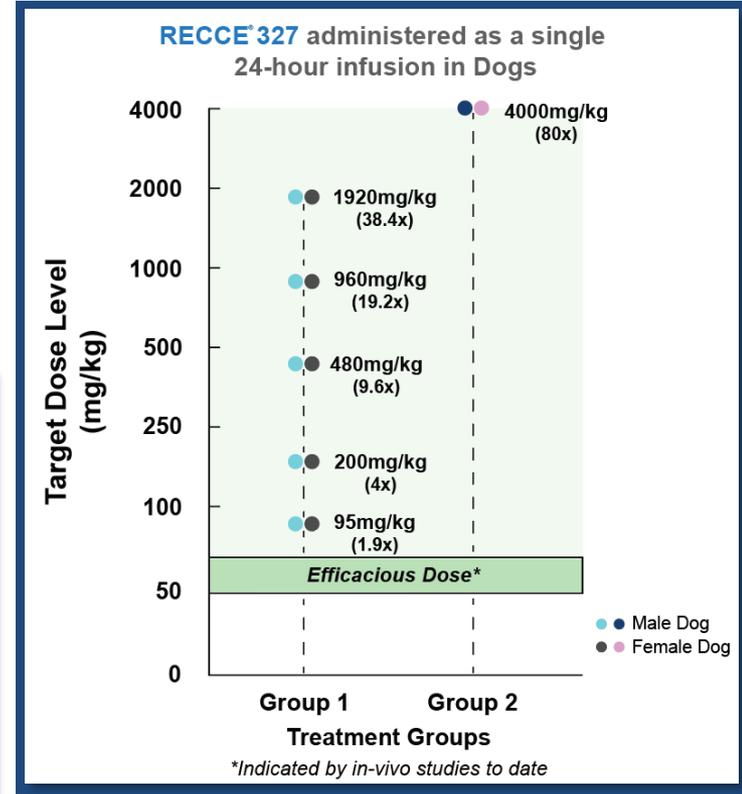
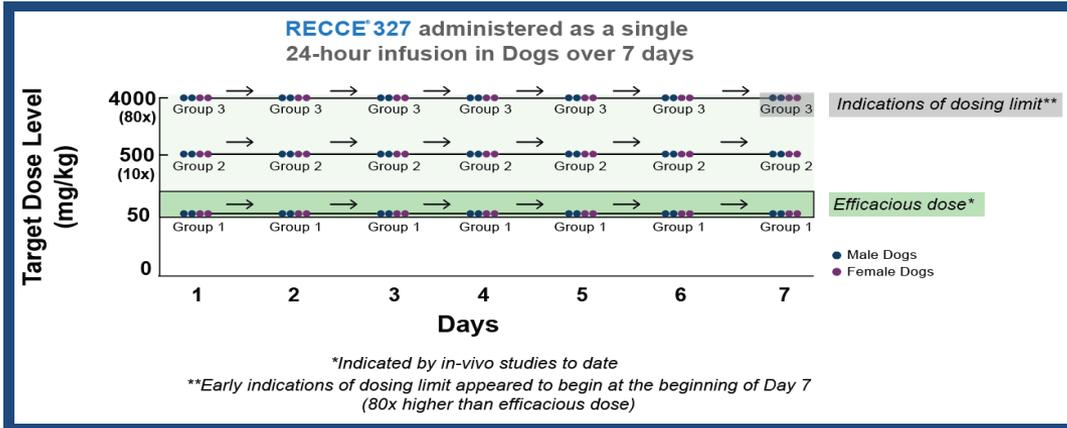


- ▶ **No Observed Adverse Effect Level (NOAEL) of 24-hour 500mg/kg (10x indicated efficacious dose)**
- ▶ Phase Ia (24-hour), Phase Ib (24-hour over 7 days)
  - ▶ A separate single 24-hour intravenous infusion administration of RECCE® 327 up to 12,000 mg/kg over the course of 7-days was carried out.
  - ▶ Results of up 12,000 mg/kg/day was well tolerated from Days 1 to 4 (inclusive); with no mortalities or clinical signs.
  - ▶ 24-hour dosing up to 4,000 mg/kg (80x indicated efficacious dose) in Dogs well tolerated.
  - ▶ RECCE® 327 is indicated to be efficacious from as little as 50mg/kg and here shows tolerability can be sustained over at least 7 days of continuous daily exposure at doses up to and including 500 mg/kg.



# Single Dose and Range-Finding Repeat Dosing - Dogs

- ▶ **No Observed Adverse Effect Level (NOAEL) of 24-hour 500mg/kg (10x indicated efficacious dose)**
- ▶ Phase Ia (24-hour), Phase Ib (24-hour over 7 days)
- ▶ A single 24-hour intravenous infusion administration of RECCE® 327 up to 4000 mg/kg and 7-day continuous intravenous infusion administration of RECCE® 327 up to 500 mg/kg/day were well tolerated; with no mortalities, clinical signs, changes in body weight, coagulation, clinical chemistry or salient macroscopic abnormalities.
- ▶ RECCE® 327 is indicated to be efficacious from as little as 50mg/kg
- ▶ Therapeutic dose window appears considerably wider than Vancomycin and other antibiotics.



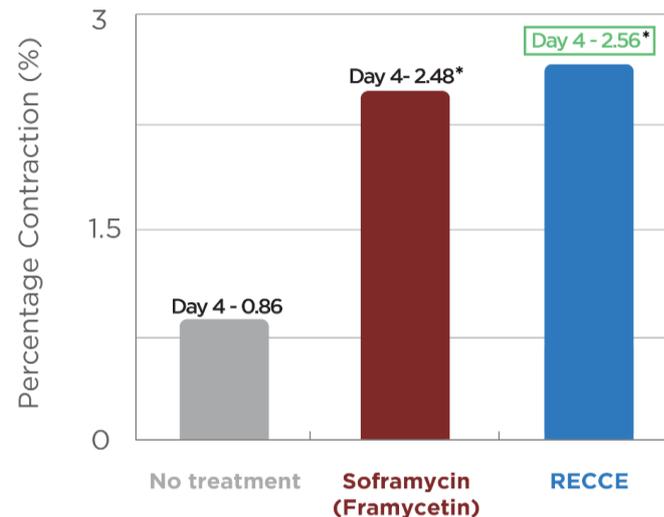
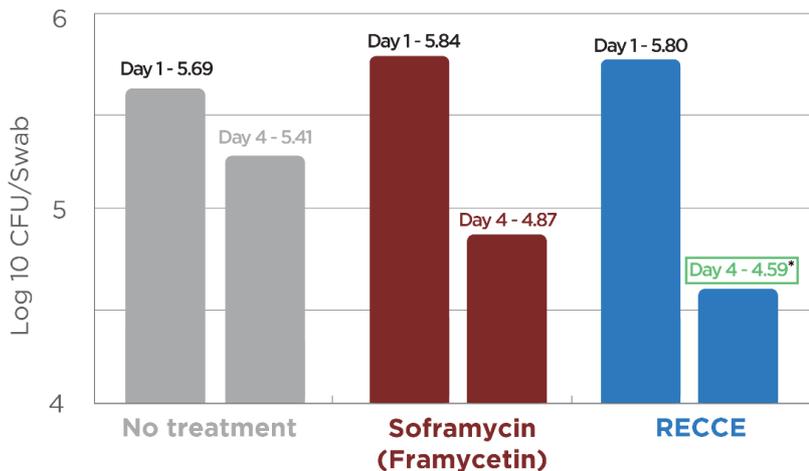
# RECCE® 327 Phase I/II Topical Human Trial in burn wound infections

- ▶ The topical study will assess RECCE® 327 as a broad-spectrum antibiotic for patients with Gram-positive and Gram-negative bacterial burn wound infections
- ▶ Sponsored by the South Metropolitan Health Service, Department of Health, Government of Western Australia
  - ▶ **Fiona Stanley Hospital nominated as the study site**
  - ▶ **Principal Investigator Professor Fiona Wood**
  - ▶ **Dr Wood pioneered the innovative the worlds-first 'spray-on skin' technique, which greatly reduces permanent scarring in burns victims.**
- ▶ Over 14 days, 10 patients will receive RECCE® 327 daily while a further 20 receive treatment 3 times per week
- ▶ Phase I/II clinical trial approved by Human Research Ethics Committee



# Topical Efficacy – Wound Infection & Contraction

## Superbug Methicillin-Resistant *S. aureus* (MRSA) in Rats

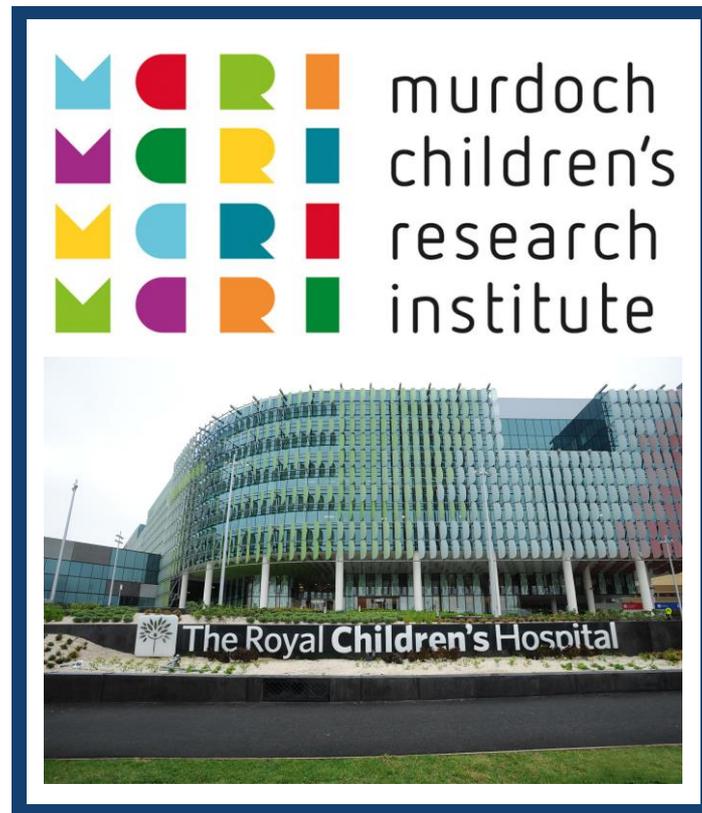


The Study Director noted: “**RECCE® 327** (100 µl (19.15 mg/ml), topical, once daily, over three days), and **Soframycin** (30 mg, topical, twice daily, Q=12hr, over three days) **showed a significant reduction wound on day four** ( $p<0.05$ ) when compared to day one, when compared to the vehicle control.”

The Study Director noted: “**RECCE® 327** (100 µl (19.15 mg/ml), topical, once daily over three days) **showed significant reduction in bacterial load on day four** when compared to day one. **Soframycin** (30 mg, topical, twice daily, Q=12hr, over three days), **the current standard of care antibiotic did not show significant efficacy on day four...**”

# RECCE<sup>®</sup> 435 Pre-clinical Studies Program with *H. pylori*

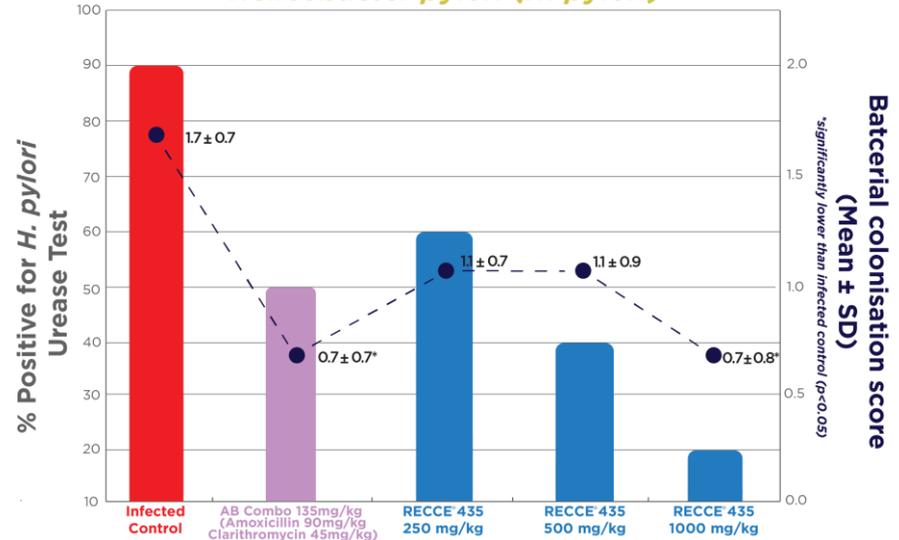
- ▶ Murdoch Children's Research Institute (MCRI) to evaluate *in-vivo* antimicrobial activity of RECCE<sup>®</sup> 435 oral formulation against *Helicobacter pylori* (*H. pylori*) in pre-clinical studies program
- ▶ RECCE<sup>®</sup> 435 is a new broad-spectrum synthetic polymer antibiotic formulated for oral use
- ▶ Study led by *H. pylori* infectious disease expert Professor Philip Sutton
- ▶ Research program will be carried out by Mucosal Immunology Group at the MCRI Royal Children's Hospital
  - ▶ MCRI is one of the top three child health research institutes worldwide for research quality and impact
- ▶ Recce and MCRI will work together on the oral antibiotic dosing program with a particular focus on optimal dosing and the effect of RECCE<sup>®</sup> 435
- ▶ Anticipated completion in approximately 12 months, at which time Recce will pursue a human clinical trial



# RECCE® 435 Efficacy Against *H. pylori*

- ▶ New **RECCE® 435** oral showed dose-dependent and significant efficacy against *Helicobacter pylori* (*H. pylori*) bacteria
  - ▶ Bacteria isolated from a patient with a duodenal ulcer compared to control vehicle in independent study model in rats
  - ▶ Five groups of 10 rats each were observed. Three groups were treated with varying doses of RECCE® 435 (250, 500, 1,000 mg/kg)
    - ▶ **Dose-dependent efficacy was seen at all doses with significant reduction in bacterial load.**
  - ▶ High solubility and antibacterial effect supportive of a ‘targeted’ oral therapy for stomach infection
  - ▶ Study assessed a combination of two broad spectrum antibiotics being used – Amoxicillin and Clarithromycin.

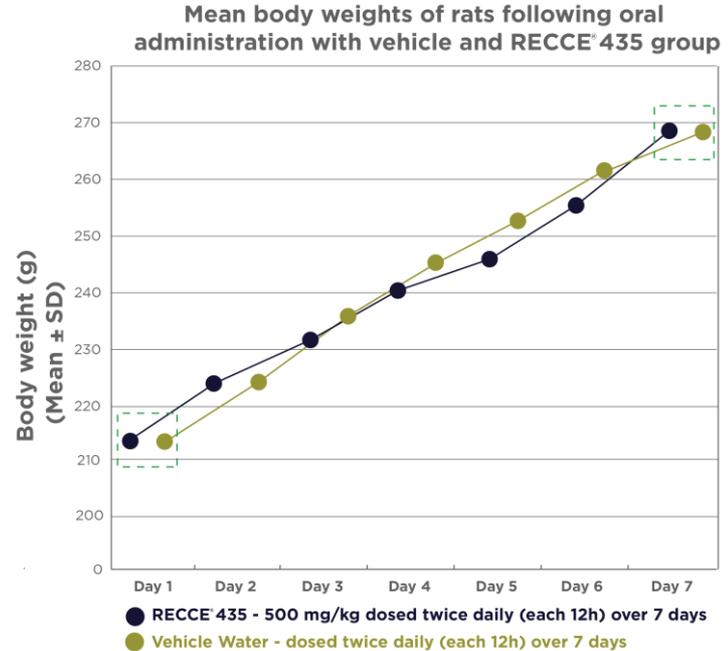
RECCE® 435 Oral Rat Study  
*Helicobacter pylori* (*H. pylori*)



Group	Group ID	Rats	Urease test		% Positive for <i>H. pylori</i> [Urease Test]
			Positive	Negative	
1	Uninfected control	10	0	10	0
2	Infected control	10	9	1	90
3	AB Combo 135 mg/kg (Amoxicillin 90 mg/kg + Clarithromycin 45 mg/kg)	10	5	5	50
4	Infected + RECCE® 435 - 250 mg/kg	10	6	4	60
5	Infected + RECCE® 435 - 500 mg/kg	10	4	6	40
6	Infected + RECCE® 435 - 1000 mg/kg	10	2	8	20

# RECCE<sup>®</sup> 435 Safety Oral Study

- ▶ Additional independent study was undertaken
- ▶ Purpose of the study examined the **safety oral dosing** of RECCE<sup>®</sup> 435 up to 500 mg/kg
- ▶ Compound was administered to groups of five mice each twice daily for seven days compared to water-only administration
- ▶ Data indicates their feeding habits, which contributes to weight gain
  - ▶ No negative impact
  - ▶ Supports overall general and gastrointestinal health



Mean body weights of rats following oral administration with vehicle and RECCE <sup>®</sup> 435 group				Body weight (g) (Mean ± SD)			
Days	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
Vehicle Water – dosed twice daily (each 12h) over 7 days	213 ± 8.09	224.4 ± 6.73	236.2 ± 4.82	246 ± 5.15	253.2 ± 4.15	262.6 ± 3.65	268.2 ± 5.81
RECCE <sup>®</sup> 435 - 500 mg/kg dosed twice daily (each 12h) over 7 days	213.4 ± 4.56	223.4 ± 9.32	231.6 ± 7.7	240 ± 4.74	246.8 ± 5.89	255.2 ± 9.65	269.4 ± 5.77

# SARS-CoV-2 Antiviral Program

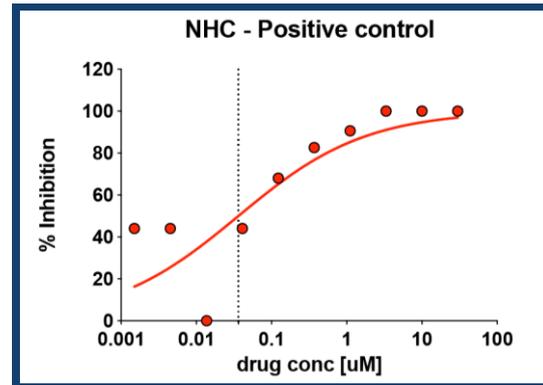
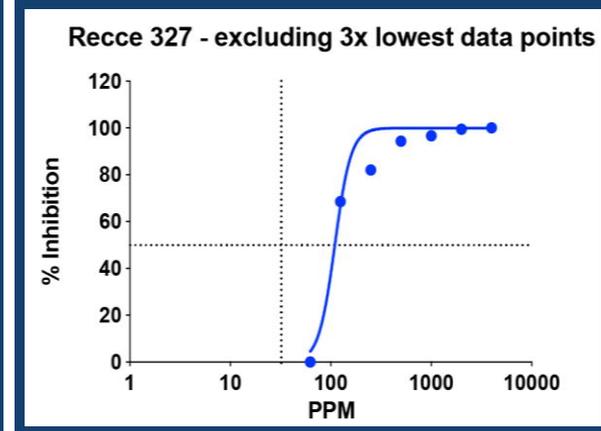
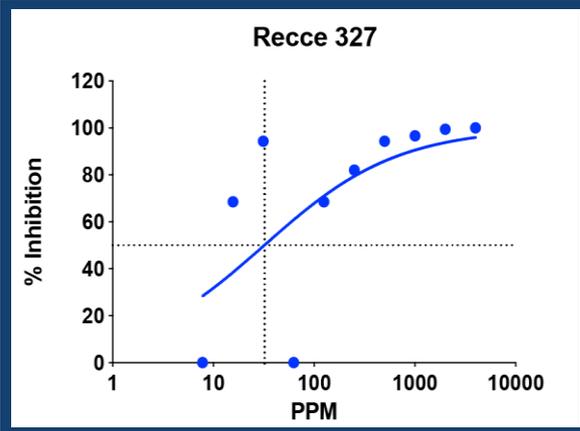
- ▶ **RECCE® 327** compound selected as **Priority 1** candidate group for testing in **SARS-CoV-2 Antiviral Program**.
- ▶ The program is run by a scientific Australian Government agency and a world class institute focused on infection and immunity.
- ▶ Compounds were chosen by a Science Selection Panel including field experts in the areas of: Virology, Antivirals, Medicinal Chemistry & Clinical Trials of Antiviral drugs.
- ▶ Therapeutic anti-viral treatment focus with added potential benefit against secondary bacterial infections.
- ▶ All intellectual property rights are retained by the Company



# SARS-CoV-2 Antiviral Program

- ▶ RECCE® 327 showed **encouraging efficacy** in an *in-vitro* screening assay against SARS-CoV-2 virus
- ▶ RECCE® 327 **advancing to Stage 1b** (*confirmatory in-vitro* testing and a *cytotoxicity assessment*)
- ▶ Positive control in this study was **beta-d-N4 hydroxycytidine (NHC)**
  - ▶ A highly active anti-viral compound against SARS-CoV-2 *in-vitro* not approved for human use
- ▶ Stage 1b (confirmation and cytotoxicity) results expected Q1 2021
- ▶ US Gold Standard Ferret Study running in parallel – conducted by an independent contract research organisation

## Virus Titres

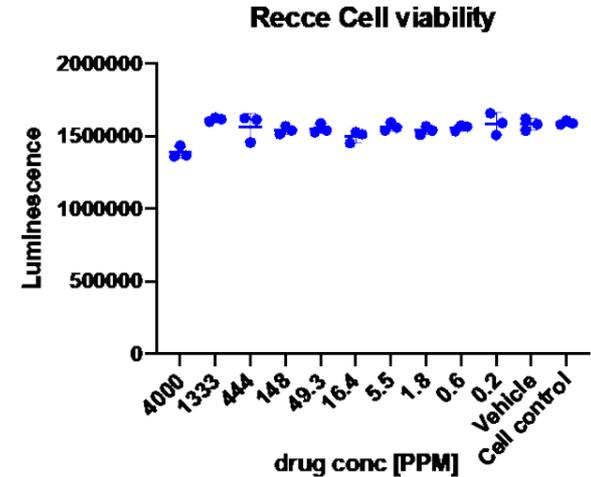
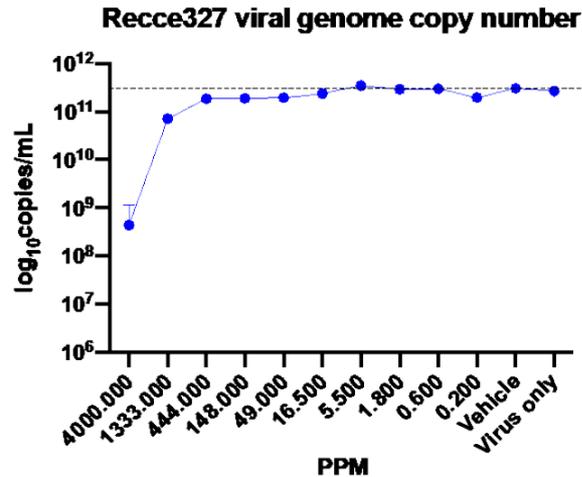


$IC_{50}$  of test compound excluding the 3 lowest data points: 109.8 PPM  
Data extracted from study report

# SARS-CoV-2 Antiviral Program

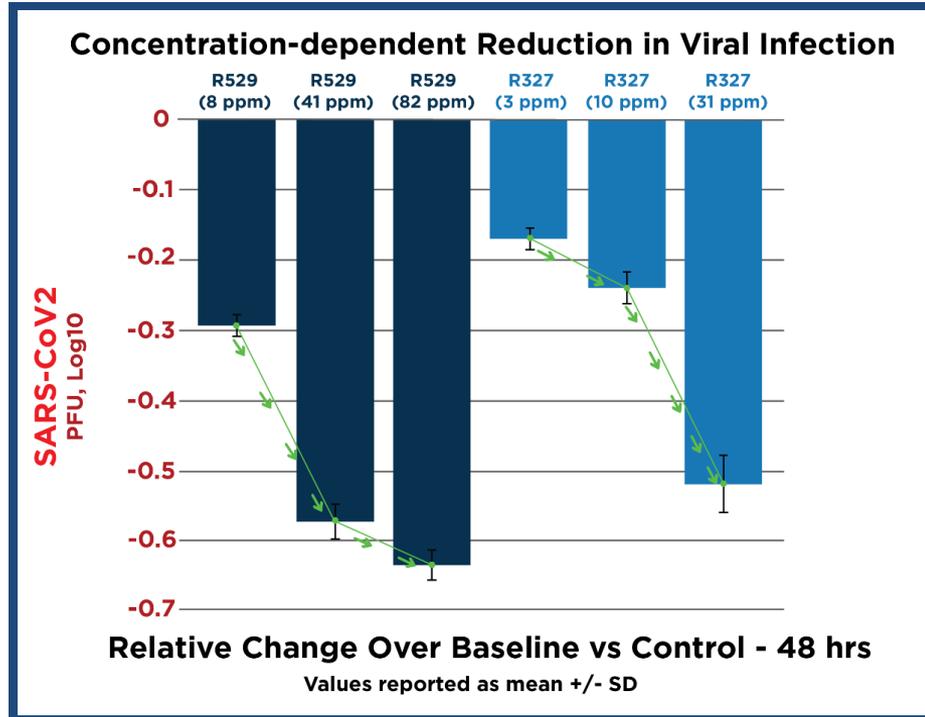
- ▶ RECCE® 327 99.9% efficacious (3-log drop in viral genome copies) in confirmatory in-vitro screening assay against SARS-CoV-2
  - ▶ Virucidal against SARS-CoV-2 with a positive safety profile
- ▶ SARS-CoV-2 virus no longer detectable by virus titration at 4,000ppm
  - ▶ Minimal toxicity to Vero cells
- ▶ No toxicity identifiable at 1,333ppm or less
- ▶ Positive control in this study was beta-d-N4 hydroxycytidine (NHC)
- ▶ US *in-vivo* studies in parallel expanded to include new UK and South African COVID strains

RECCE 327 RT-PCR and Cell Viability Data



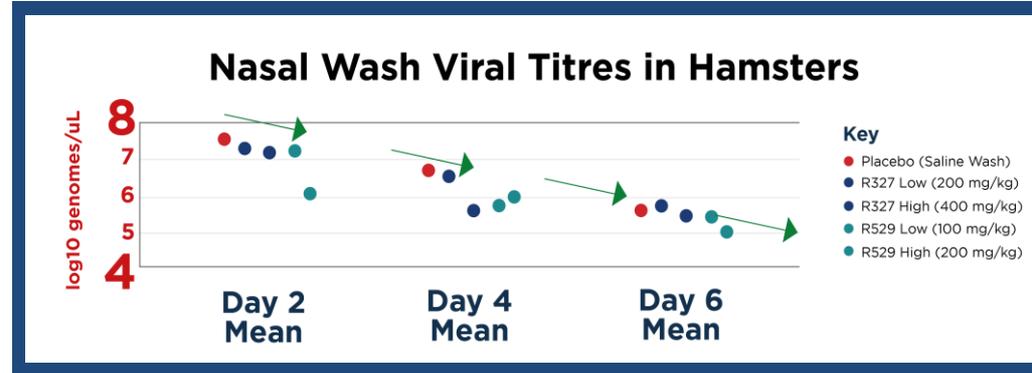
# SARS-CoV-2 International Study

- ▶ **RECCE® 327** and **RECCE® 529** have shown concentration-dependent reductions in the SARS-CoV-2 virus
- ▶ Concentrations of R327 and R529 tested, further indicated an **excellent toxicity profile (<0.25%)** on Vero (monkey) cells, in a separately related study
- ▶ COVID-19 studies **have advanced** to gold-standard animal *in-vivo* models (e.g. ferret)
- ▶ **Multiple methods of administration** for best chance of continued activity to target viral infection in the airways/lungs



# SARS-CoV-2 Intranasal Study\*\*

- ▶ **RECCE® 327 and RECCE® 529** demonstrated dose-dependent activity *in-vivo* against SARS-CoV-2 virus in Syrian golden hamsters
  - ▶ Intranasal administration of both compounds supports multiple potential modes of administration against SARS-CoV-2
- ▶ Study consisted of **five groups of eight hamsters**, each receiving a different treatment
  - ▶ Placebo control of saline nasal wash, low dose of R327 (200mg/kg), high dose of R327 (400mg/kg), low dose of R529 (100mg/kg), and high dose of R529 (200mg/kg)
- ▶ Data conveyed a mean log reduction within groups on Day 4 where low **R529 dose achieved a log reduction in the order of 1.5 logs** and a **high dose of R327 achieved log reduction of 1.25 logs**
  - ▶ This hamster study is the first indication of the potential for nasal administration of Recce's anti-infective compounds, specifically when used against viruses



#### Understanding logs (example of a small colony of 1 million MRSA bacteria)\*

A 1-log kill reduces the colony to 100,000 MRSA bacteria after a 90% reduction

A 2-log kill reduces the colony to 10,000 bacteria after a 99% reduction

A 3-log kill reduces the colony to 1,000 bacteria after a 99.9% reduction

A 4-log kill reduces the colony to 100 bacteria after a 99.99% reduction

A 5-log kill reduces the colony to 10 bacteria after a 99.999% reduction

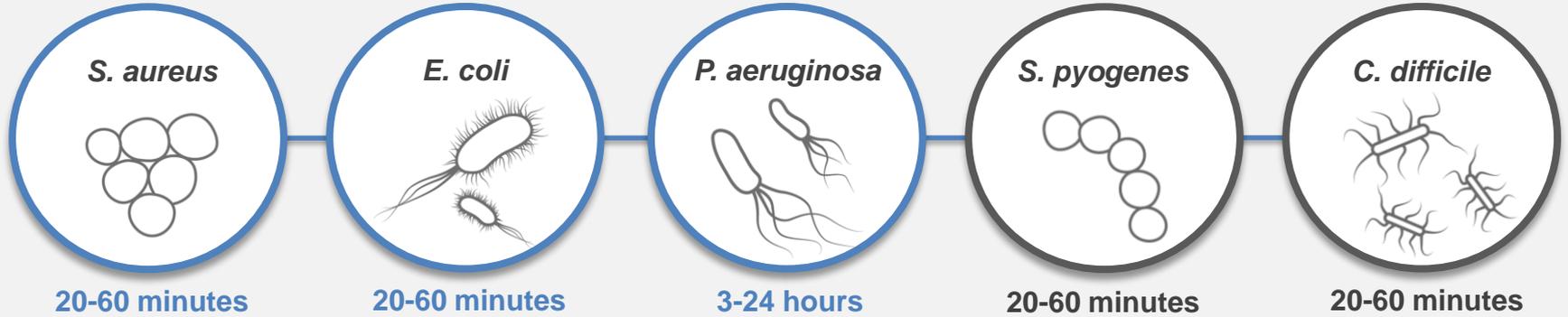
A 6-log kill reduces the colony to 1 MRSA bacterium after a 99.9999% reduction

\*<https://halosil.com/what-are-logs-and-why-do-they-matter-in-preventing-infections/>

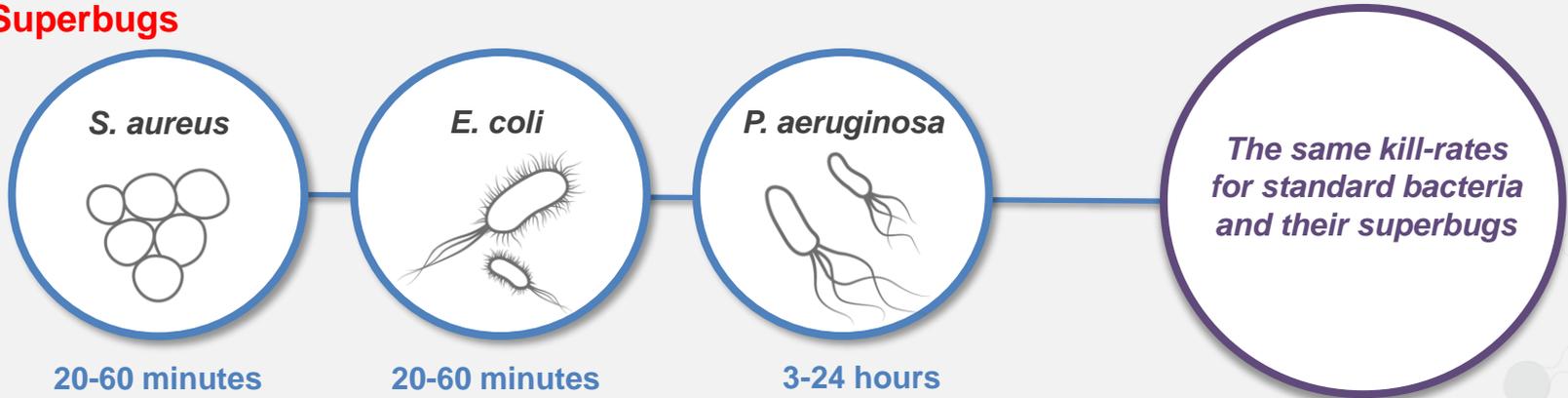
\*\*Statistical significance was not assessed in this study

# RECCE<sup>®</sup> 327 kills at practical speeds

## Standard Bacteria



## Superbugs



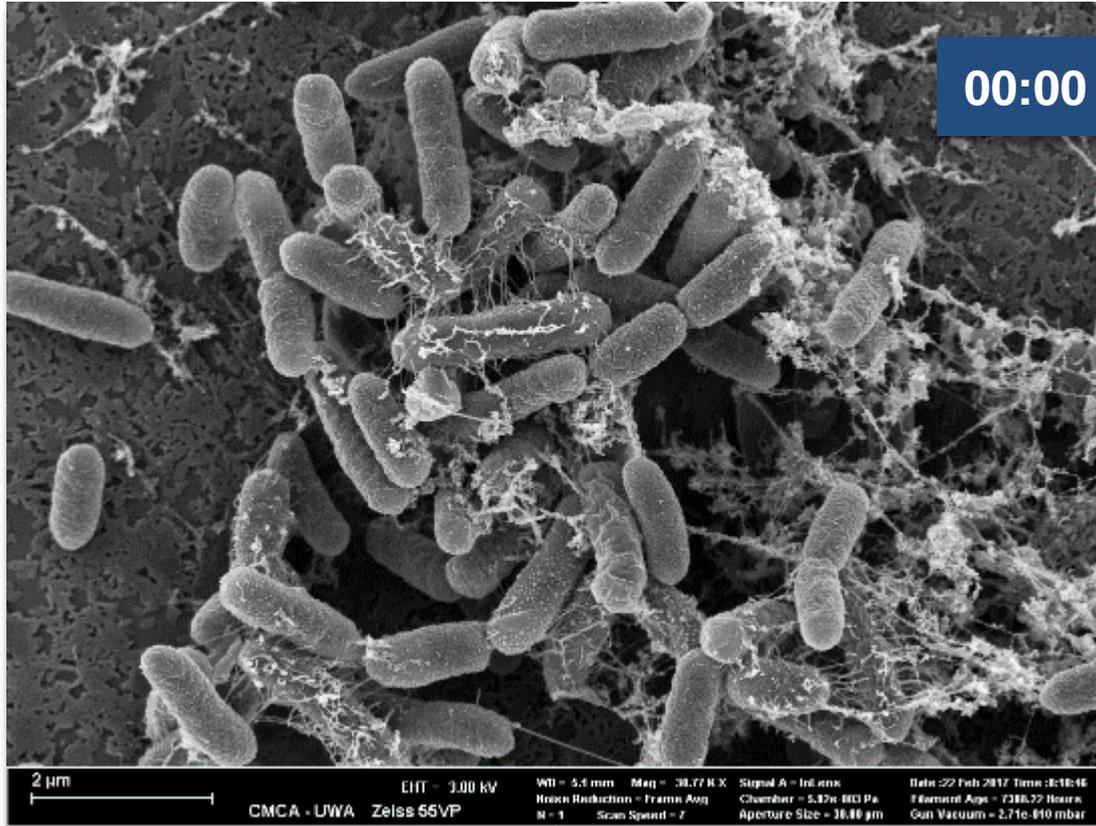
# RECCE<sup>®</sup> 327 Does Not Lose Activity!<sup>1</sup>

Number of repetitive uses before displaying loss of antibiotic activity

Bacteria	Commercial Antibiotic	RECCE <sup>®</sup> 327
 <i>S. aureus</i>	8 Repeats	>25 Repeats
 <i>E. coli</i>	2 Repeats	
 <i>P. aeruginosa</i>	6 Repeats	

<sup>1</sup> After repetitive use, the commercial antibiotic loses activity; >25 repeats **RECCE<sup>®</sup> 327 DOES NOT**

# RECCE<sup>®</sup> 327 Mechanism of Action in practice



00:00 minutes

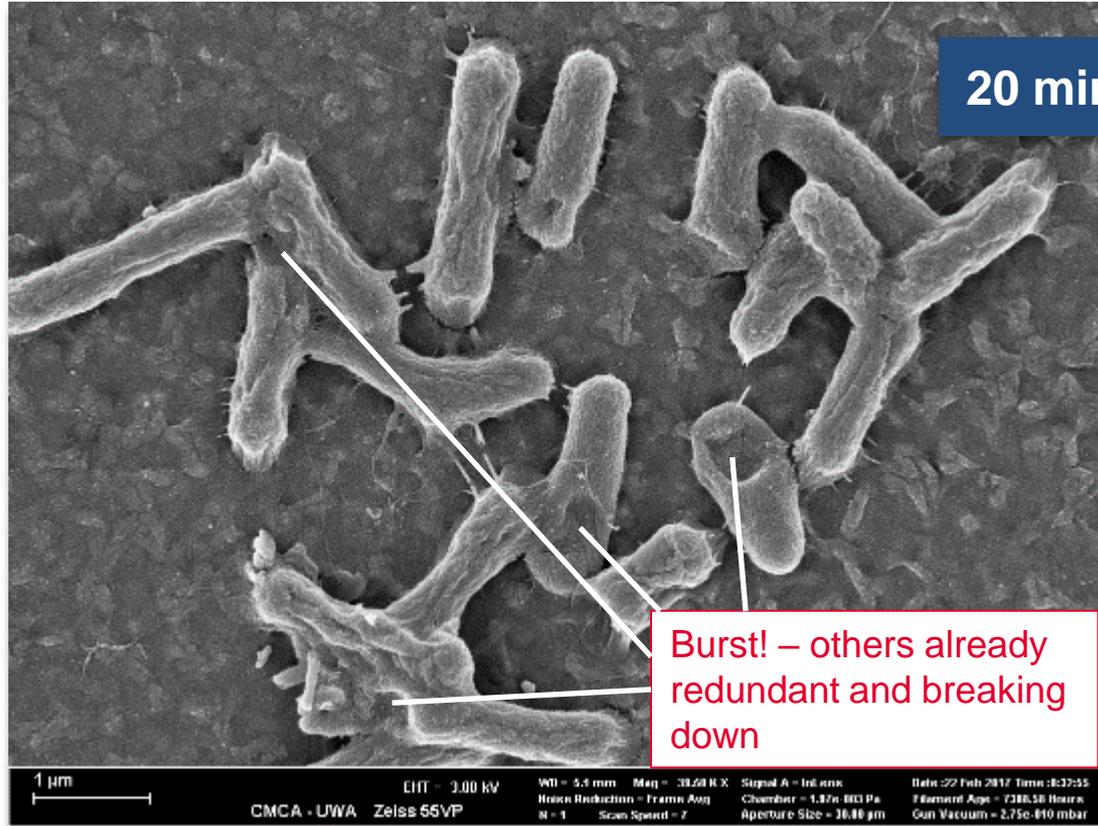
Before application of RECCE<sup>®</sup> 327, the *E.coli* bacteria cells are healthy, smooth and intact

## *E.coli* Facts<sup>1</sup>

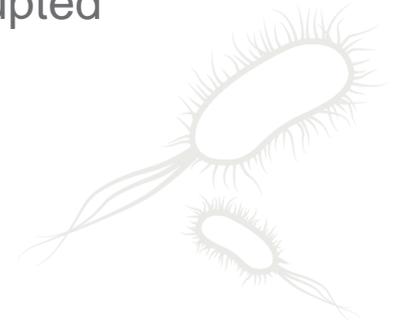
- Part of the Enterobacteriaceae family
- **\$1.2bn USD** estimated attributable healthcare costs in 2017
- CDC labels this bacteria as a **Serious Threat**
- **50% increase** in cases since 2012

<sup>1</sup>CDC Antibiotic Resistance Report 2019

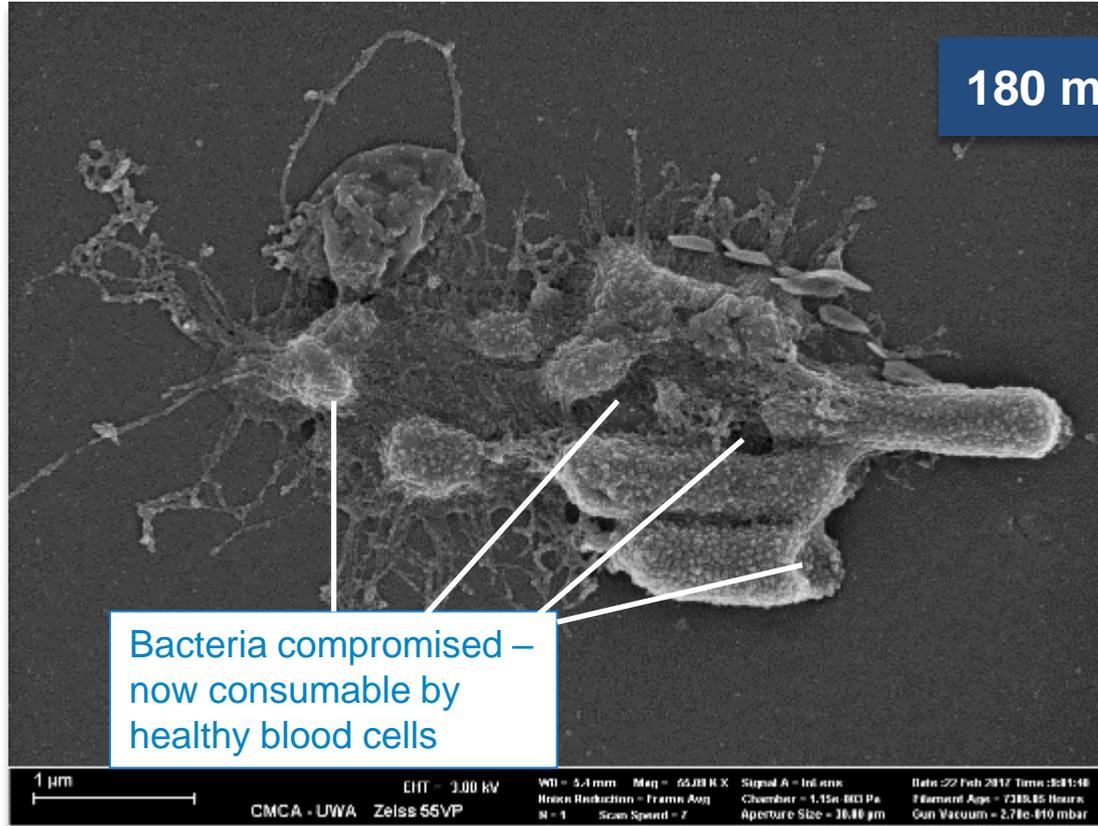
# RECCE<sup>®</sup> 327 Mechanism of Action in practice



After application of RECCE<sup>®</sup> 327, the *E.coli* bacteria cell membrane begins to weaken and is disrupted



# RECCE<sup>®</sup> 327 Mechanism of Action in practice



*E. coli* bacteria cells (10e6 cfu/ml) having their outer membrane weakened – and bursting from treatment with RECCE<sup>®</sup> 327 (1000 ppm)

# Patents and trademarks

Recce's patent portfolio includes more than 20 issued patents and patent applications in the world's major markets, including the United States, Europe, Japan, China and Australia.

## Patent Family 1 – Antimicrobial Polymers and Their Compositions

- ▶ Family 1 group relates to the Company's unique and highly economical manufacturing process and use of the polymer in treatment of diseases

## Patent Family 2 – Copolymer for use in Method of Treatment of a Parenteral Infection

- ▶ Family 2 relates to the method of manufacture, administration and application to treat a broad range of common human infections.

## Patent Family 3 – Anti-Virus Agent and Method for Treatment of Viral Infection

- ▶ Family 3 relates to a method of treatment of a broad range of viral infections, particularly parenteral viral infection

Filed	Patent Family 1 Granted	Expiry	Patent Family 2	Expiry	Patent Family 3	Expiry	Patent Family 4	Trademarks registered
Australia	✓	2028	✓	2035	Pending	2037	Pending	✓
USA	✓	2029	✓	2035	Pending	2037	Pending	✓
Europe	✓	2028	✓	2035	Pending	2037	Pending	✓
Germany	✓	2028	✓	2035	Pending	2037	Pending	-
Spain	✓	2028	✓	2035	Pending	2037	Pending	-
France	✓	2029	✓	2035	Pending	2037	Pending	-
United Kingdom	✓	2028	✓	2035	Pending	2037	Pending	-
Italy	✓	2028	✓	2035	Pending	2037	Pending	-
Sweden	✓	2028	✓	2035	Pending	2037	Pending	-
Japan	✓	2028	✓	2035	✓	2037	Pending	✓
China	✓	2028	Pending	2035	Pending	2037	Pending	✓

# Manufacturing and Production



## Wholly owned, automated manufacturing facility in Sydney's Macquarie Park



- ▶ Raw materials plentiful and **CHEAP** – few \$/KG
- ▶ **No expensive waste** – 99.9% product yield.



- ▶ Automated **manufacture process taking approximately 1 ¼ hours.**
- ▶ **500 doses** per automated manufacture output in less than 1 hour/run



- ▶ Currently producing in **volumes to support planned Phase I & II clinical trials.**



- ▶ Facility built to pharmaceutical specification.
- ▶ Packaging and labelling to international 'tamper-proof'

# Investment summary



R327 Qualified Infectious Disease Product (QIDP) Designation



R327 Generating Antibiotics Incentive Now (GAIN) Act approved



Proprietary technology as a new class of synthetic anti-infectives



R327 addressing the most expensive condition faced by hospitals worldwide



Early commercialisation potential



R327 initial focus on sepsis-potentially the first treatment for sepsis



Favourable legislative and financial landscape



Experienced commercial management and board



Creating value by meeting key milestones



Established manufacturing (volumes suitable for Ph I/II)

# Last 6 Months of Announcements ASX: RCE

- ▶ RCE Receives Innovation Connection Grant (1 Sep 2020)
- ▶ Positive and Concentration Dependent Efficacy Against SARS-CoV-2 (8 Sept 2020)
- ▶ R327 Phase I study, Aus CMAX Clinical Facility (10 Sept 2020)
- ▶ RCE Completes Successful Capital raise \$27.95m (23 Sept 2020)
- ▶ MCRI agreement signed, R435 against *H. pylori* (30 Sept 2020)
- ▶ R&D Rebate Received (5 Oct 2020)
- ▶ HREC Approval to Start Phase I/II Topical Burns Wound Study (16 Oct 2020)
- ▶ Encouraging Results Against SARS-CoV-2 Virus from Australia Study (10 Nov 2020)
- ▶ Anti-viral Patent Granted in Japan for RCE Anti-Infectives (23 Nov 2020)
- ▶ Recce Awarded Aus. Industry Advanced Overseas Antibacterial finding (26 Nov 2020)
- ▶ Recce awarded Aus. Industry Advanced Overseas Anti-viral finding (8 Dec 2020)
- ▶ Positive Intranasal Animal Data Against SARS-CoV-2 in US Study (23 Dec 2020)
- ▶ R&D Incentive Rebate Received (3 February 2021)
- ▶ Further Encouraging COVID Results at Doherty (12 Feb 2021)
- ▶ Fiona Stanley Hospital Phase I/II Clinical Trial Agreement (16 Feb 2021)
- ▶ Recce Applies for Dual Listing on Frankfurt Stock Exchange (24 Feb 2021)



# Thank you

**James Graham**

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Recce Pharmaceuticals

ASX:RCE

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