



## Immuron CEO, Steven Lydeamore presentation to Coffee Microcaps Conference

Melbourne, Australia, September 16, 2025: Immuron Limited (ASX: IMC; NASDAQ: IMRN) is pleased to advise our Chief Executive Officer, Steven Lydeamore will be presenting at the Coffee Microcaps VIP Conference on Tuesday 16<sup>th</sup> September 2025 (9.45am Australian Eastern time) in Sydney.

A copy of the presentation being made is included below.

This release has been authorised by the directors of Immuron Limited.

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### COMPANY CONTACT:

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### About Immuron

Immuron Limited (ASX: IMC, NASDAQ: IMRN), is an Australian biopharmaceutical company focused on developing and commercializing orally delivered targeted polyclonal antibodies for the treatment of infectious diseases.

### About Travelan®

Travelan® is an orally administered passive immunotherapy that prophylactically reduces the likelihood of contracting travelers' diarrhea, a digestive tract disorder that is commonly caused by pathogenic bacteria and the toxins they produce. Travelan® is a highly purified tableted preparation of hyper immune bovine antibodies and other factors, which when taken with meals bind to diarrhea-causing bacteria and prevent colonization and the pathology associated with travelers' diarrhea. In Australia, Travelan® is a listed medicine on the Australian Register for Therapeutic Goods (AUST L 106709) and is indicated to reduce the risk of Travelers' Diarrhea, reduce the risk of minor gastro-intestinal disorders and is antimicrobial. In Canada, Travelan® is a licensed natural health product (NPN 80046016) and is indicated to reduce the risk of Travelers' Diarrhea. In the U.S., Travelan® is sold as a dietary supplement for digestive tract protection.

### Travelers' diarrhea (TD)

TD is generally defined as the passage of  $\geq 3$  unformed stools per 24 hours plus at least one additional symptom (such as nausea, vomiting, abdominal cramps, fever, blood/mucus in the stools, or fecal urgency) that develop while abroad or within 10 days of returning from any resource-limited destinations ([Leung et al., 2006](#)). Diarrhea continues to be the most frequent health problem among travelers to destinations in lower- and middle-income regions ([Steffen, 2017](#)). Deployed US military personnel, essentially representing a long-term traveller population, are particularly affected given their population dynamics and the context in which they seek care and treatment ([Connor et al., 2012](#)). Diarrhea is the leading infectious disease threat to the overall health and preparedness of deployed US armed forces, with diarrheagenic *E. coli*, *Campylobacter* spp., and *Shigella* spp. among the most commonly reported etiologies ([Riddle et al., 2006](#)).

### Immuron Platform Technology

Immuron's proprietary technology is based on polyclonal immunoglobulins (IgG) derived from engineered hyper-immune bovine colostrum. Immuron has the capability of producing highly specific immunoglobulins to any enteric pathogen and our products



are orally active. Bovine IgG can withstand the acidic environment of the stomach and is resistant to proteolysis by the digestive enzymes found in the Gastrointestinal (GI) tract. Bovine IgG also possesses this unique ability to remain active in the human GI tract delivering its full benefits directly to the bacteria found there. The underlying nature of Immuron's platform technology enables the development of medicines across a large range of infectious diseases. The platform can be used to block viruses or bacteria at mucosal surfaces such as the Gastrointestinal tract and neutralize the toxins they produce.

#### **IMM-124E (Travelan®)**

IMM-124E was developed using Immuron's platform technology. IMM-124E is produced from the colostrum of birthing cattle that have been immunised during pregnancy with a vaccine containing the outer antigens of multiple human derived ETEC. A total of 13 ETEC strains are used in the vaccine to produce high levels of antibodies against selected surface antigens from the most common strains of ETEC. ([Otto et al., 2011](#))

The resultant hyperimmune colostrum IMM-124E from ETEC vaccinated cows contains significant levels of polyclonal antibodies specific for ETEC antigens LPS, CFA-I and Flagellin ([Sears et al., 2017](#)).

The antibodies produced in IMM-124E have been found to have a stronger binding and neutralizing activity (than the antibodies of unvaccinated cattle) against a wide range of LPS antigens including both the variable O-polysaccharide region and the preserved oligosaccharide core 'R' region of LPS from the 13 serotypes used in the ETEC vaccine.

IMM-124E is manufactured into a tablet form referred to as Travelan®.

#### **IMM-529**

Immuron is developing IMM-529 as an adjunctive therapy in combination with standard of care antibiotics for the prevention and/or treatment of recurrent *Clostridioides difficile* infection (CDI). IMM-529 antibodies targeting *Clostridioides difficile* (C. diff) may help to clear CDI infection and promote a quicker re-establishment of normal gut flora, providing an attractive oral preventative for recurrent CDI.

Immuron is collaborating with Dr. Dena Lyras and her team at Monash University, Australia to develop vaccines to produce bovine colostrum-derived antibodies. Dairy cows were immunised to generate hyperimmune bovine colostrum (HBC) that contains antibodies targeting three essential C. diff virulence components. IMM-529 targets Toxin B (TcB), the spores and the surface layer proteins of the vegetative cells.

This unique 3-target approach has yielded promising results in pre-clinical infection and relapse models, including (1) Prevention of primary disease (80% P =0.0052); (2) Protection of disease recurrence (67%, P <0.01) and (3) Treatment of primary disease (78.6%, P<0.0001; TcB HBC). Importantly IMM-529 antibodies cross-react with whole cell lysates of many different human strains of C. diff including hypervirulent strains.

To our knowledge, IMM-529 is, to date, the only investigational drug that has shown therapeutic potential in all three phases of the disease ([Hutton et al., 2017](#)).

#### **ProIBS®**

Immuron has an exclusive distribution agreement with Calmino group AB for the territories of Australia and New Zealand for ProIBS®. ProIBS® - to help patients treat IBS symptoms ProIBS® is a certified medical device for the treatment of IBS symptoms such as abdominal pain, bloating and unsettled bowel movements (diarrhoea and/or constipation). ProIBS® contains AVH200®, derived from the plant *Aloe barbadensis*. Mill. AVH200® has gel forming components which support the intestinal mucosal barrier. As IBS is known to affect individuals for a long period of time, it is essential to have a treatment appropriate for long-term use –as ProIBS® is. The product is safe, and no interactions with other medications are known. Science-driven innovative Calmino group AB, the developer of ProIBS®, conducted a usability study among 1,003 users. PROIBS® was helpful for 94% of them. 91% of the users experienced an improvement in daily life and 98% would recommend PROIBS® to someone else. To learn more please check: [www.proibs.eu](http://www.proibs.eu).

Irritable bowel syndrome (IBS) is a common condition where you experience symptoms related to your digestive system. This is sometimes linked to certain foods, lifestyle habits and stress levels or mood. IBS affects around 3 out of every 10 people. Females are more likely than males to be affected. Some key symptoms of IBS include: abdominal pain or discomfort; stomach bloating and wind; chronic diarrhoea or constipation, or alternating between the two. ([healthdirect.gov.au](http://healthdirect.gov.au)) According to available data, the IBS treatment market in Australia is estimated to be a part of the broader "Digestives & Intestinal Remedies" market, generating a revenue of around AU\$221.14 million in 2025, with a projected annual growth rate of 3.28%. ([Statista](https://www.statista.com))

#### References

Connor P, Porter CK, Swierczewski B and Riddle MS. Diarrhea during military deployment: current concepts and future directions. *Curr Opin Infect Dis.* 25(5): 546-54; 2012.

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Otto W, Najnigier B, Stelmasiak T and Robins-Browne RM. Randomized control trials using a tablet formulation of hyperimmune bovine colostrum to prevent diarrhea caused by enterotoxigenic *Escherichia coli* in volunteers Scandinavian Journal of Gastroenterology 46: 862– 868; 2011.

Riddle MS, Sanders JW, Putnam SD, and Tribble DR. Incidence, etiology, and impact of diarrhea among long-term travelers' (US military and similar populations): A systematic review. *American Journal of Tropical Medicine and Hygiene.* 74(5): 891-900; 2006.

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Steffen R. Epidemiology of travelers' diarrhea. *J Travel Med.* 24(suppl\_1): S2-S5; 2017.

For more information visit: <https://www.immuron.com.au/> and <https://www.travelan.com>

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#### FORWARD-LOOKING STATEMENTS:

This press release may contain "forward-looking statements" within the meaning of Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934, each as amended. Such statements include, but are not limited to, any statements relating to our growth strategy and product development programs and any other statements that are not historical facts. Forward-looking statements are based on management's current expectations and are subject to risks and uncertainties that could negatively affect our business, operating results, financial condition, and stock value. Factors that could cause actual results to differ materially from those currently anticipated include: risks relating to our growth strategy; our ability to obtain, perform under and maintain financing and strategic agreements and relationships; risks relating to the results of research and development activities; risks relating to the timing of starting and completing clinical trials; uncertainties relating to preclinical and clinical testing; our dependence on third-party suppliers; our ability to attract, integrate and retain key personnel; the early stage of products under development; our need for substantial additional funds; government regulation; patent and intellectual property matters; competition; as well as other risks described in our SEC filings. We expressly disclaim any obligation or undertaking to release publicly any updates or revisions to any forward-looking statements contained herein to reflect any change in our expectations or any changes in events, conditions, or circumstances on which any such statement is based, except as required by law.



NASDAQ: IMRN  
ASX: IMC

# Investor Presentation

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**Steven Lydeamore**  
Chief Executive Officer

16 September 2025

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# SAFE HARBOR STATEMENT

Certain statements made in this presentation are forward-looking statements and are based on Immuron's current expectations, estimates and projections. Words such as "anticipates," "expects," "intends," "plans," "believes," "seeks," "estimates," "guidance" and similar expressions are intended to identify forward-looking statements.

Although Immuron believes the forward-looking statements are based on reasonable assumptions, they are subject to certain risks and uncertainties, some of which are beyond Immuron's control, including those risks or uncertainties inherent in the process of both developing and commercializing technology. As a result, actual results could materially differ from those expressed or forecasted in the forward-looking statements.

The forward-looking statements made in this presentation relate only to events as of the date on which the statements are made. Immuron will not undertake any obligation to release publicly any revisions or updates to these forward-looking statements to reflect events, circumstances or unanticipated events occurring after the date of this presentation except as required by law or by any appropriate regulatory authority.

FY2025 results in this presentation are subject to audit review.



# Executive summary

Immuron Ltd (NASDAQ:IMRN) (ASX:IMC) is a globally integrated biopharmaceutical company focused on developing, and commercialising, oral immunotherapeutics for the treatment of gut mediated diseases

## Company Overview



**Three commercial products:** Travelan® (traveller's diarrhoea), Protectyn® and ProIBS (irritable bowel syndrome)

**Three clinical programs:** Travelan®: IMC: Phase 2 CHIM trial (n=60)

Travelan®: USU: Field Study (n=851)

IMM-529 (CDI): IMC: preparing IND for Phase 2 trial (n=60)

## Business Update

### Commercial:

Continued quarter on quarter growth of Travelan®

ProIBS launch stock anticipated to arrive end of September 2025

### Clinical:

Travelan® (IMM-124E) Travelan® Uniformed Services University IMM-124E trial 100% of 851 participants have been randomized and deployed

Travelan® (IMM-124E) Travelan® Uniformed Services University IMM-124E trial topline results anticipated in **October 2025**

IMM-529 (CDI): Immuron anticipates submission of Investigational New Drug (IND) by end of **September 2025**

IMM-986 (VRE): Colostrum manufactured for preclinical studies; assay development in progress

## Results, Upcoming Milestones & Outlook

### FY25 Results:

FY25 Global Sales Revenue of A\$7.3 million up 49% on prior year – North American Travelan® sales A\$2.0 million up 76% on prior year

Profit<sup>1</sup> from Hyperimmune products for FY25 was A\$1.35m, the same as FY24; FY25 increased selling & marketing investment A\$1.4m

<sup>1</sup> Segment reporting; excludes Research & Development and Corporate segments.

Continued quarter on quarter growth of Travelan® from growth drivers

Australian launch of ProIBS 1Q CY2026

### Clinical Development

Travelan® IMM-124E: 1H 2026: End of Phase 2 FDA meeting (Phase 2; n=60)

IMM-529 (CDI): Immuron anticipates FDA approval of IND in December 2025

## Financial Snapshot

Shares on Issue	268,219,973
Total Options	13,540,315
Last Traded Price	IMC: A\$0.07
52 week High/Low	IMC: A\$0.11/0.054 IMRN: \$2.87/1.50
Market Cap	IMC: A\$18.78m
Cash & Term Deposit (30 June 2025) – Excludes A\$2.8m raised from US placement (July 2025)	A\$5.9m

## Major Shareholders

Holder	Units	% of CSO
BNY Mellon Asset Management	113,417,824	42.29 %
Authentic Australia Pty. Ltd.	5,500,000	2.05 %
Grandlodge	3,846,712	1.43 %
Management & Board	3,234,153	1.21 %

# 1. FINANCIAL & OPERATIONAL HIGHLIGHTS

# FY25 Financial Summary

**Global Sales  
Revenue**

**\$7.3m**

**▲ Up 49%**

**Australian Sales  
Revenue**

**\$5.3m**

**▲ Up 40%**

**North American  
Sales Revenue**

**\$2.0m**

**▲ Up 76%**

**Gross Profit  
Margin**

**65.4%**

**EBITDA (ex-R&D)<sup>1</sup>**

**\$(3.1)m**

**▲ \$2.1m  
improvement**

**Cash + Term  
Deposit**

**\$5.9m (excludes  
A\$2.8m raised from  
the US placement)<sup>2</sup>**

<sup>1</sup> ex-R&D: add back research & development, less R&D Tax Incentive and R&D grants; <sup>2</sup> 30 June 2025, as reported in Immuron's Appendix 4E (Cash \$2.83m; Term Deposit \$3.04m) and excludes the A\$2.8m raised from the US placement of 32.9m shares at the AUD equivalent of \$0.0824 per share conducted on the Nasdaq:IMRN completed 17 July 2025. The shares were purchased by US investors from Immuron's US At-The-Market (ATM) facility. The ATM facility has now been fully utilised.

# Travelan® continued strong sales growth



## Global

+ FY2025 AUD\$7.3 million up 49% on prior year



## Australia

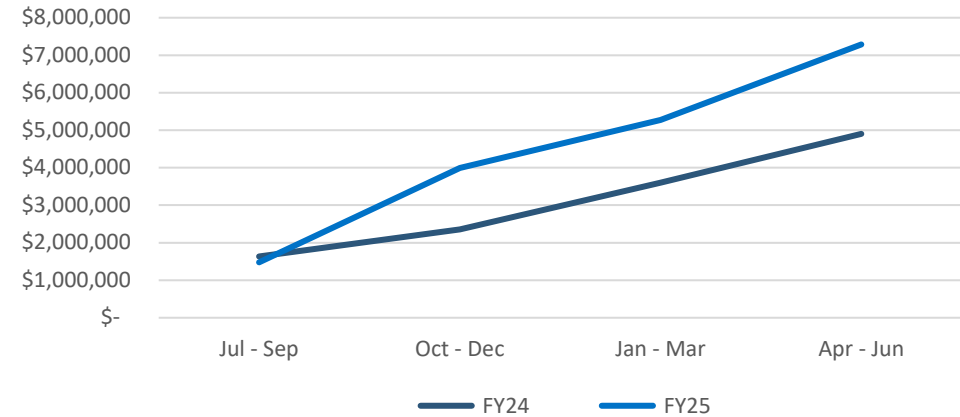
- + FY2025 AUD\$5.2 million up 40% on prior year
- + Secured core ranging in additional nine pharmacy banner groups



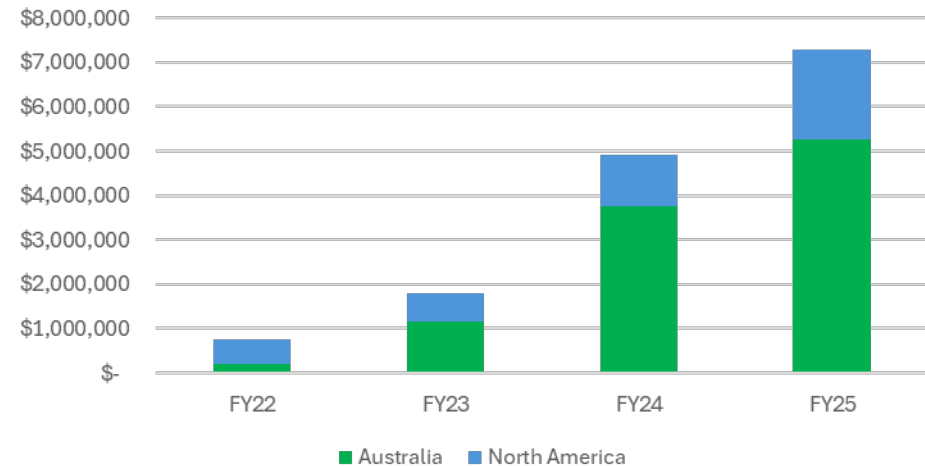
## North America

- + FY2025 AUD\$2.0 million up 76% on prior year
- + Strongest sales growth on amazon.com
- + Secured distribution in ten pharmacy/grocery retailers in Canada

Global Year to Date Net Sales (\$AUD)



Immuron Net Sales



# Commercial – Operational Highlights



## Travelan® / Protectyn®

### Revenue

- | 1H FY24  | 2H FY24  | 1H FY25  | 2H FY25 and Outlook   |
|--|--|--|---|
| <ul style="list-style-type: none"> <li>\$2.36m global sales</li> <li>\$1.87m Australia</li> <li>\$0.48m North America</li> </ul> | <ul style="list-style-type: none"> <li>\$2.55m global sales</li> <li>\$1.87m Australia</li> <li>\$0.67m North America</li> </ul> | <ul style="list-style-type: none"> <li>\$4.00m global sales</li> <li>\$2.89m Australia</li> <li>\$1.11m North America</li> </ul> | <ul style="list-style-type: none"> <li><b>\$3.29m global sales</b></li> <li><b>\$2.36m Australia</b></li> <li><b>\$0.93m North America</b></li> </ul> |

### Marketing & Distribution

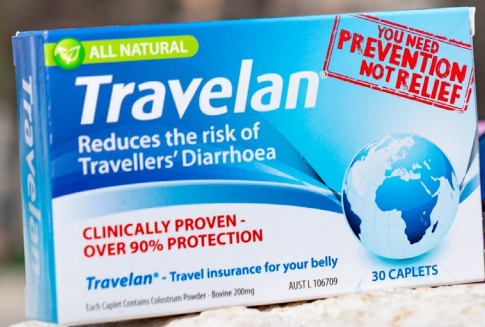
- Australia: 3,700 pharmacies; 27m people**
- Canada: 10,000 pharmacies; 39m people**
- USA: 342m people**

## ProIBS

### Highlights

- Exclusive distribution of ProIBS® for the treatment of symptoms related to IBS in Australia and New Zealand.
- Purchase order placed with anticipated delivery end of September 2025. Anticipated product launch in 1Q CY2026.

# Opportunity to Convert Billion Dollar Traveller's Diarrhoea Market from Relief to Prevention by Travelan®



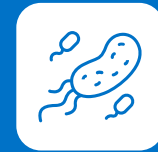
## Billion Dollar Market

Traveller's diarrhoea treatment market is large and growing at a CAGR of ~7%<sup>1</sup>



## Industry tailwinds

International travel continues to grow  
Travel to high-risk destinations from Australia exceeds pre-pandemic levels and still growing



## Frequent Symptom

30% - 70% of travelers experience traveller's diarrhoea<sup>2</sup>



## Proprietary Vaccine

Dairy cows inoculated with proprietary vaccines covering 13 strains of enterotoxigenic E.coli (ETEC)



## Bind and Neutralise to Prevent

According to the Centers for Disease Control and Prevention Traveller's Diarrhoea is a clinical syndrome resulting from microbial contamination of ingested food and water.

Travelan® utilises specific antibodies to bind the bacteria and the toxins they produce effectively neutralising them and inhibiting their attachment to the gastrointestinal tract reducing LPS-related inflammation and bacterial colonisation.



## Product Differentiation

- Colostrum has some antibacterial and immune modulatory properties.
- However, **Travelan**® has in addition to the colostrum-derived compounds very high concentration of anti-*E.coli* antibodies.
- Travelan**® utilises specific antibodies to bind the bacteria and the toxins they produce effectively neutralising them and inhibiting their attachment to the gastrointestinal tract reducing LPS-related inflammation and bacterial.
- These antibodies target the major bacteria which cause Traveller's Diarrhoea.
- Travelan**® has a unique synergistic effect between the colostrum-derived products and the high concentration antibodies for suppressing the inflammation and targeting the bacteria which cause Traveller's Diarrhoea in the gastrointestinal system.

<sup>1</sup> <https://www.transparencymarketresearch.com/travelers-diarrhea-market.html>;Centers for Disease Control and Prevention CDC.gov 2024



# EXPANSION OF TRAVELAN® DISTRIBUTION

## WHERE TO BUY TRAVELAN







Personal use only

## 2. CLINICAL DEVELOPMENT PROGRAM

# Revenue generating with a strong clinical development pipeline

Indication	30 August 2024	29 August 2025
Traveller's Diarrhoea	Travelan® (IMM-124E) Phase 2 Clinical study topline data reported in <b>March 2024</b>	Clinical study report submitted to FDA in <b>January 2025</b> Awaiting Travelan® Uniformed Services University clinical trial topline results (anticipated <b>October 2025</b> ) before requesting end of Phase 2 meeting
	Travelan® Uniformed Services University clinical trial reaches <b>77%</b> recruitment of 866 patients	Travelan® Uniformed Services University clinical trial <b>100%</b> of participants have been randomized and deployed Quality review of study data initiated <b>October 2025</b> anticipated top line results
Clostridioides Difficile	IMM-529 pre-IND submission to the FDA in <b>July 2024</b>	Planning IMM-529 FDA IND submission by end of <b>September 2025</b> Anticipated IMM-529 FDA approval of IND in <b>December 2025</b>
Vancomycin Resistant Enterococci		New project (IMM-986) initiation of pre-clinical research collaboration with Monash University targeting Vancomycin Resistant Enterococci (VRE) Colostrum manufactured for preclinical studies. In Vitro method development initiated.

# Status of product portfolio and key milestones

Indication	Compound	Peak U.S. sales	Preclinical	Phase 1	Phase 2	Phase 3	Registration	Collaborator or Funding Source	Current Status	Anticipated Dates	
										2H 2025	1H 2026
Traveller's Diarrhoea	Travelan®	US\$ 102 m						 Uniformed Services University	100% of 866 participants recruited	Topline Data	
	IMM-124E							 MTEC Medical Technology Enterprise Consortium	Completed		End of Phase 2 FDA meeting
Clostridioides Difficile	IMM-529	US\$ 400 m						 MONASH University	Pre-IND submission to FDA	IND submission to FDA	IND FDA approval (31 December 2025)
Vancomycin Resistant Enterococci	IMM-986							 MONASH University	Manufacturing completed	Preclinical activities	In Vitro and In Vivo Preclinical data



# IMMURON'S CLINICAL PROGRAMS – OPPORTUNITY ASSESSMENT

## Lumaniy\* Opportunity Assessment for IMM-124E

- › Immuron's development of **IMM-124E** (hyperimmune bovine colostrum) as a prescription medication has the potential to address this unmet need
- › Primary care physicians (PCP)s impressed with clinical efficacy endpoint targets demonstrating > 80% protection against the development of diarrhea.
- › If base case efficacy targets are reached, IMM-124E would mostly be used by travelers going to the highest risk areas (e.g., rural Central America/Asia/Africa).
- › Based on the estimated market size and pricing, the base case yearly revenue in USA for IMM-124E is projected at **US\$102M**.
- › Reaching higher efficacy goals could broaden use.

## Lumaniy Opportunity Assessment for IMM-529

- › Infectious disease experts reacted favorably to the **IMM-529** MOA, and its unique ability to target three elements of the rCDI infection – the spores, vegetative cells, and Toxin B
- › If IMM-529 can achieve a significant reduction in recurrences among patients with CDI, it can reach peak revenues of **~US\$400** million in USA
- › Based on new information about the overall CDI market and IMM-529's potential to be used earlier in the treatment algorithm (based on approvals for treatment and prevention of recurrence)
- › Derived wholly from secondary research, price target increased to Vowst level, as a second mover IMM-529 is projected to reach a 30% share of the advanced treatment market

Compound or brand name

Indication

Phase I

Phase II

Phase III

Market

IMM-124E - Travelan®

Traveler's Diarrhea ETEC challenge

Immuron

IMM-529

*Clostridioides difficile* Infection (CDI) & Recurrence

Immuron

# WORLD FIRST TRIPLE MECHANISM OF ACTION FOR CDI



## IMM-529: pre-IND filed with FDA July 2024; successful pre-IND meeting

Indication / Target Population	IMM-529 will be indicated for the treatment of recurrent <i>C. difficile</i> infection
Product Description / Mechanism of Action	<ul style="list-style-type: none"><li>• Novel antibody-containing therapeutic which neutralizes <i>C. difficile</i> but does not impact the microbiome</li><li>• Targets not only toxin B but also spores and vegetative cells responsible for recurrence</li><li>• Potential for use in combination with standard of care (e.g. vancomycin, fidaxomicin)</li><li>• Targets many isolates</li></ul>
Dosage and ROA	<ul style="list-style-type: none"><li>• Oral administration, 3 x daily</li><li>• Trial to test safety 7-day treatment course on top of standard of care (vancomycin, fidaxomicin)</li></ul>
Efficacy	<ol style="list-style-type: none"><li>1. Prevention of primary disease (80% P =0.0052)</li><li>2. Protection of disease recurrence (67%, P &lt;0.01) and</li><li>3. Treatment of primary disease (78.6%, P&lt;0.0001; TcB HBC).</li></ol>
Safety / Tolerability	<ul style="list-style-type: none"><li>• To be evaluated in Phase 2 study</li><li>• Equivalent or better than current standard of care</li></ul>



## 3. UPCOMING MILESTONES & OUTLOOK

# Upcoming Milestones & Outlook



## Commercial

- + Continued quarter on quarter growth of Travelan® from growth drivers
- + Australian launch of ProIBS in Q1 CY2026
- + Planned growth in profitability<sup>1</sup> of Hyperimmune products net of planned increased investment in selling & marketing



## Clinical

### IMM-124E (Travelan®): Traveller's Diarrhoea

- + IMM-124E: completed 100% recruitment, randomization and deployment (Phase 4; n=866)
- + IMM-124E: October 2025: Topline data (Phase 4; n=866)
- + IMM-124E: 1H 2026: End of Phase 2 FDA meeting (Phase 2; n=60)

### IMM-529: Clostridioides difficile infection (C.diff, CDI)

- + IMM-529: 30 September: FDA IND Submission
- + IMM-529: 31 December: FDA IND Approval

# Scientific references

## Travelan® (IMM-124E)

Travelan® has been shown to reduce both the incidence and severity of ETEC-induced diarrhea in up to 90% of volunteers

[Scandinavian Journal of Gastroenterology, 46:7-8, 862-868, DOI: 10.3109/00365521.2011.574726](#)

Clinical Evaluation of Travelan® an Oral Prophylactic for Prevention of Travelers' Diarrhea in Active Duty Military Service Assigned Abroad.

[Military Health System Research Symposium 14-17 Aug 2023 Abstract 1](#)

Travelan® demonstrates broad reactivity to Vibrio cholera strains from Southeast Asia indicating broad potential for prevention of traveler's diarrhea

[US Department of Defense, Armed Forces Research Institute of Medical Sciences \(AFRIM\), 4 September, 2019](#)

Travelan® prevented clinical shigellosis (bacillary dysentery) in 75% of Travelan® treated animals compared to placebo and demonstrated a significant clinical benefit

[US Department of Defense, Armed Forces Research Institute of Medical Sciences \(AFRIM\), 5 September, 2018](#)

Travelan® able to bind and was reactive to 60 clinical isolates of each bacteria, Campylobacter, ETEC, and Shigella

[US Department of Defense, Armed Forces Research Institute of Medical Sciences \(AFRIM\), 30 January, 2017](#)

Bioactivity and efficacy of a hyperimmune bovine colostrum product- Travelan, against shigellosis in a non-Human primate model (Macaca mulatta)

[Islam D, Ruamsap N, Imerbsin R, Khanijou P, Gonwong S, Wegner MD, et al. \(2023\) Bioactivity and efficacy of a hyperimmune bovine colostrum product- Travelan, against shigellosis in a non-Human primate model \(Macaca mulatta\). PLoS ONE 18\(12\): e0294021.](#)

Bioactive Immune Components of Travelan®

[Clin Vaccine Immunol 24:e00186-16. https://doi.org/10.1128/CVI.00186-16](#)

Hyperimmune bovine colostrum containing lipopolysaccharide antibodies (IMM-124E) has a non-detrimental effect on gut microbial communities in unchallenged mice

[Infect Immun. 2023 Nov; 91\(11\): e00097-23.](#)

Administration of the Hyper-immune Bovine Colostrum Extract IMM-124E Ameliorates Experimental Murine Colitis

[Journal of Crohn's and Colitis, Volume 13, Issue 6, June 2019, Pages 785–797, https://doi.org/10.1093/ecco-icc/jiy213](#)

## IMM-529

Bovine antibodies targeting primary and recurrent Clostridium difficile disease are a potent antibiotic alternative

[Sci Rep 7, 3665 \(2017\). https://doi.org/10.1038/s41598-017-03982-5](#)



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