



**Micropore**  
Technologies



**Democratising Medicine Together**

## PRO 125

### Lab Scale

- Discovery mode - fast formulation optimisation
- 200 ul to 125 ml production
- Encapsulation Efficiency Typically >98%
- Formulation Flexible





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Technologies

## **PRO 250**

### **Clinical Scale**

- Discovery mode - fast formulation optimisation
- 200 ul to 250 ml production
- Encapsulation Efficiency Typically >98%
- Formulation Flexible

## Horizon LNP Mini

### GMP Scale

- Scaled up Production
- Nominal Flow Rate 12 - 500 mL/min
- Electropolished 316 stainless steel
- Encapsulation Efficiency Typically >98%
- Low pressure (2-3 barg)
- Same Mixer - Simple Scale



The creation of nanoparticles has nuances, being able to pivot to these with a flexible technology will likely be the successful combination going forward. Microfluidic devices have challenges when called upon to scale up despite the promise of a limited interventionary technique. Their failure has prompted a paradigm shift to a novel method of nanoparticle production, the Micropore Technologies Advanced Cross Flow systems are a solution with ample flexibility to take you from 200 ul R&D samples to thousands of litres in GMP production using the same technology in R&D as in GMP without being formulation centric.

<https://bit.ly/4gnoazR>



Professor Terry Nolan stated, “That so-called pandemic preparedness, and having those sort of platforms available, is really the most important insurance that we can do in the research sector to be prepared for whatever might unexpectedly turn up in the future.”

**There is something truly special brewing in Melbourne,** a hugely powerful collaboration of critical institutes to build what arguably will be the flagship for this country — the Australian Institute for Infectious Diseases. The collaborations are not simply those organisations that will be housed in the bricks and mortar, but the national and international respect and collegiate attitude these people convey. There is a concept for a full GMP facility to be included in the construction, and this is true leadership — learning from the past, understanding the future needs. They have grasped the point: we need the experience of walking the path and practising the steps before we must run at warp speed.

<https://bit.ly/3zcbKdv>



## The Sydney Morning Herald

**Australian governments do not like funding science** projects, particularly big, expensive ones without a 100 per cent chance of a payoff. So to get NSW and Victoria both pledging to build pilot mRNA facilities — producing vaccines that teach our cells how to trigger an immune response (think Pfizer or Moderna) — and successfully lobbying the federal government to invest in a national manufacturing facility, in just 18 months, is incredible. Part of that is the science maturing, but a bigger part was an informal coalition of scientists from the Australian RNA Production Consortium. These influential biomedical experts — Archa Fox and Colin Pouton (pictured), Damian Purcell, Pall Thordarson, Thomas Preiss, Nigel McMillan, Trent Munro and Anton Middelberg — won hearts, minds and dollars in a climate of confusion, suspicion and misinformation.

<https://bit.ly/47luoMH>



ATA  
SCIENTIFIC  
Instruments

What is abundantly clear is the current offerings have very strict boundaries of optimal operation evidenced by their inability to effectively scale up. Clearly, if they try to, the physics falls over. As a prominent researcher suggested to me about the prospect of Pathfinder — He said... “Pete, you’re going to democratise medicine — Again”.

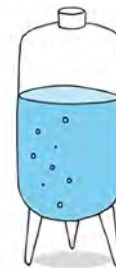
‘A better way to create nanoparticles for in vivo treatments’ Peter Davis. <https://bit.ly/3z5Mvtn>



# You’re not alone



# Micropore Technologies



From discovery  
to manufacturing

Micropore Technologies have been proven to not only make nanoparticles but do this efficiently with minimal effort. Book a demonstration in your facility to experience the scope of this technology with your formulation.



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SCAN ME



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