



Burnet
reach for the many

Burnet Diagnostics Initiative

Research translated into practice



The Burnet Diagnostics Initiative (BDI) transforms life sciences and implementation research into diagnostics with global health impact.

From custom antibodies to validated point-of-care tests, we provide a proven pathway to market.

Strong track record of translational success

- **Active syphilis test:** point-of-care lateral flow test licensed to Atomo Diagnostics
- **Liver health monitoring:** licensed to Atomo Diagnostics for point-of-care applications; available for additional licensing and research.

Our partners

- Atomo Diagnostics
- Lumos Diagnostics
- Alfred Health
- Monash Health
- Melbourne Sexual Health Centre
- St Vincent's Hospital Melbourne

ISO 9001: Highest quality, industry-ready R&D partner

Our ISO 9001 certification gives our industry partners, funders and study participants confidence that we conduct our research in an ethical, robust and reproducible way that meets the highest international standards.



What we do

Drawing on Burnet's expertise in antibody engineering, vaccine development and diagnostic commercialisation, BDI works across every stage of the innovation lifecycle to develop and deliver effective, market-ready diagnostic solutions.

Innovate

- Biomarker discovery
- Protein engineering, expression and purification
- Antibody-ligand interactions
- Protein-protein interactions
- Lateral flow technology
- Plate-based diagnostic assays
- Bead-based diagnostics
- Assay design and development
- Assay verification

Validate

- Target Product Profile
- Prototypes built under ISO quality systems
- Design history documentation
- Analytical validation and verification
- Clinical validation and verification
- User acceptability studies

Translate

- Companion diagnostics
- POC tests
- Small-scale manufacturing
- Market Implementation
- Technology transfer
- Licensing

Why choose BDI

We produce commercially viable products for unmet health needs

Combining the scientific depth and innovation of a leading medical research institute with ISO 9001-certified quality systems and commercialisation expertise. From point-of-care diagnostics to custom assays, we translate innovative research into practical, market-ready products.

Experienced team with a track record in translational impact

Our multidisciplinary team brings expertise in ELISA, lateral flow, protein engineering and expression, tissue culture, antibody activity assays, custom assay development, verification and validation, and clinical studies.

Backed by Burnet Institute's end-to-end capabilities

Our community and clinical networks enable co-design of diagnostics that meet real-world needs and usability requirements, with capabilities spanning consumer testing, clinical trials, market modelling, and implementation planning.



Work with us



Jen Barnes

Director, Commercialisation and Research Translation; Director, Burnet Diagnostics Initiative
jennifer.barnes@burnet.edu.au



Professor Heidi Drummer

Deputy Director, Impact
Scientific Director for Research Translation;
Scientific Director, Burnet Diagnostics Initiative
heidi.drummer@burnet.edu.au

Office address: 85 Commercial Road, Melbourne, Victoria, 3004 ph: + 61 3 9282 2111



burnet.edu.au