Policy makers across the UK and Europe are endeavouring to eradicate bovine tuberculosis supported by a rigorous testing programme. Unfortunately, experience shows us that the results of the commonly used tests are highly subjective.

When a result appears positive, the herd must be quarantined and retested after 60 days. This represents a massive economic and emotional cost to a farmer and affects long-term planning.

A more accurate test is needed.

That is why we have established an international collaborative project between universities and companies, to develop this test and its associated computerised infrastructure.

We are:

- **Aberystwyth University**
- **Institute of Biological, Environmental and Rural Sciences**
- **University College Dublin**
- **Bond Digital Health Solutions**
- **Dynamic Extractions**
- **Sona Nanotech**
- **ProTEM Services**

1872 Prifysgol Aberystwyth University

IBERS
Athrofa y Gwyddorau Biolegol, Amgylcheddol a Gwledig
Institute of Biological, Environmental and Rural Sciences

UCD Dublin

DynaMic Extractions®

sona nanotech

ProTEM

bond DIGITAL HEALTH SOLUTIONS

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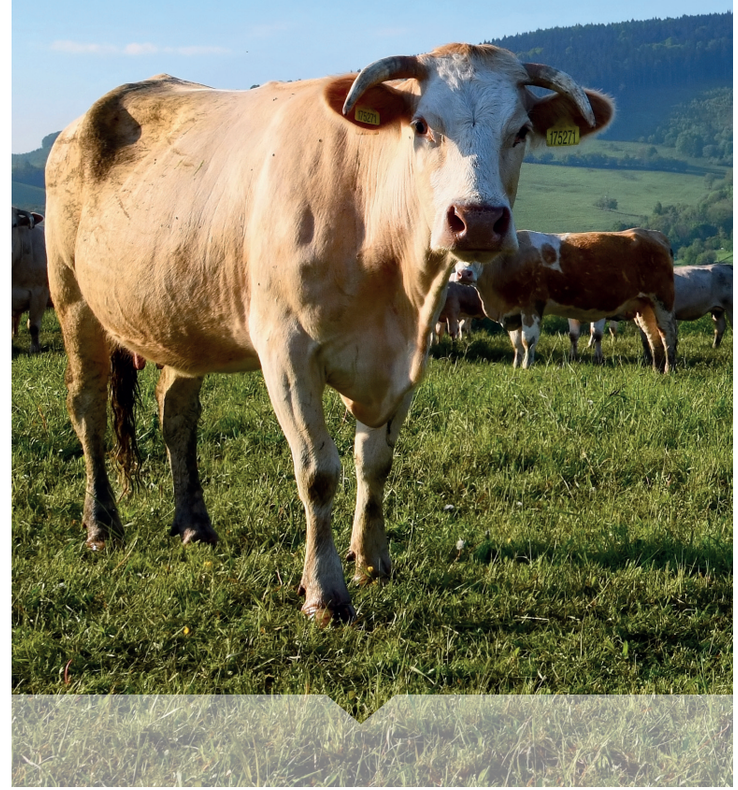
BREAKING THROUGH

THE DISEASE DETECTION BARRIER IN CATTLE

A transnational collaboration employing cutting-edge technology to detect bovine tuberculosis and paratuberculosis



Cutting-edge science offers new ways to detect bovine TB and other bovine diseases and to develop these into new, cost-effective, rapid, point-of-use tests.

It will enable:

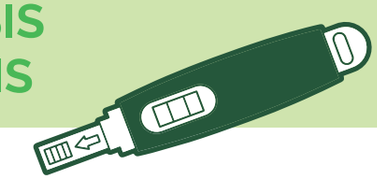
- **Farmer administration**
- **Test and animal data to be uploaded immediately and automatically to the internet**
- **Results reporting and decision making within an hour**
- **Validation and oversight by vet and expert panel for accuracy and integrity**
- **Enhanced animal and farmer welfare**
- **Frequent low-cost testing and monitoring of any sample to enhance biosecurity**
- **Ease of herd monitoring and allow accurate mapping of epidemiological data**
- **Reduce risks from and to native wildlife**
- **Effective end-to-end supply chain management and farm-to-fork integrity**

Our vision is to develop a new cost-effective, accurate and rapid test to enable the Detection, Management and Control (DMC) of:

BOVINE TUBERCULOSIS & PARATUBERCULOSIS

This data would be integrated into databases and lead to:

- **Accurate epidemiology monitoring**
- **The development of informed disease strategy**
- **Increased rural productivity and prosperity**



It will allow the monitoring of:

- **Farm animals**
- **Native wildlife populations**
- **The environment**
- **Farm produce**