



# NRC's Proficiency Testing Scheme

**Kymerly Crockett**

*EcoDNA Group, Centre for  
Conservation Ecology and  
Genomics, University of  
Canberra, ACT, Australia*



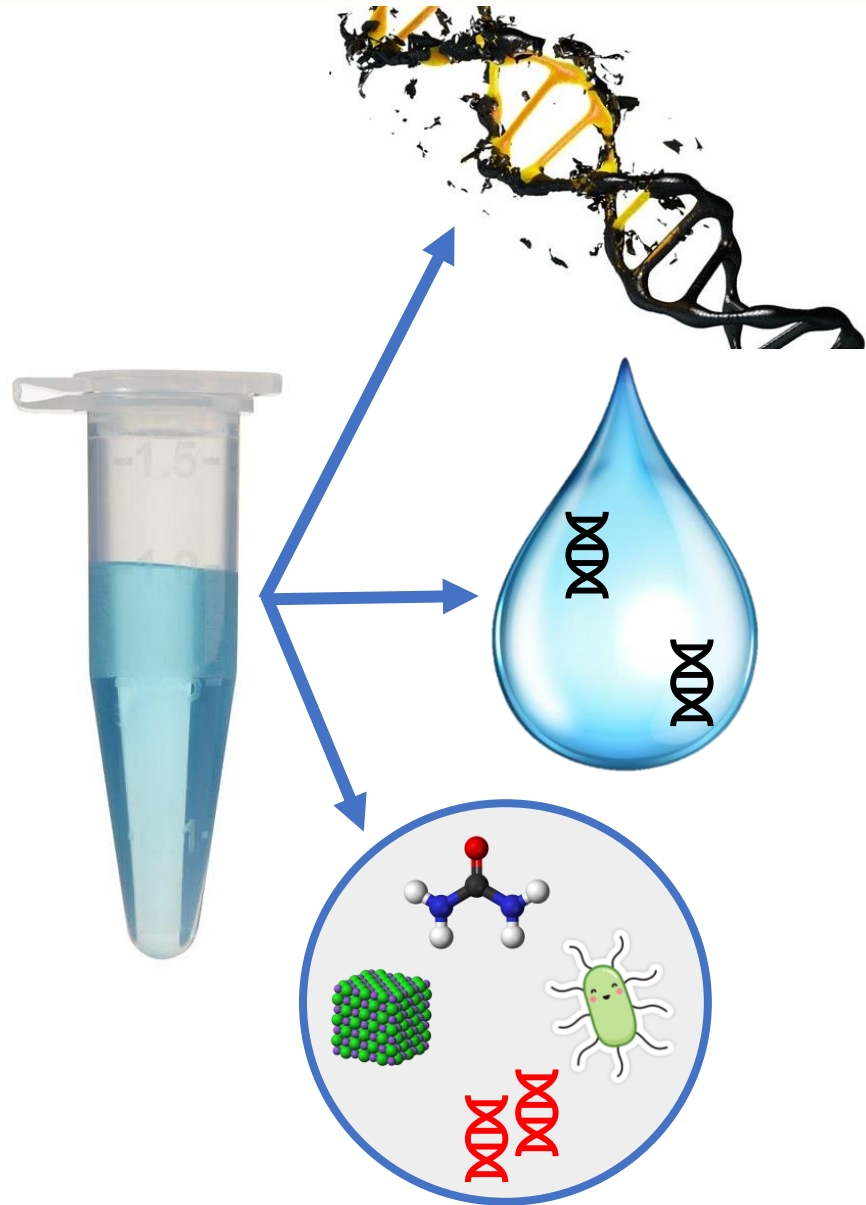
**NATIONAL eDNA  
REFERENCE CENTRE**

# Proficiency Testing

*“Assesses a laboratory’s accuracy and technical performance comparably with peer laboratories for specific tests.”*



# NRC eDNA Proficiency Testing Scheme



2022



2023-2024



Organising Laboratory

Prepare samples

Analyse results

Prepare report

Participants

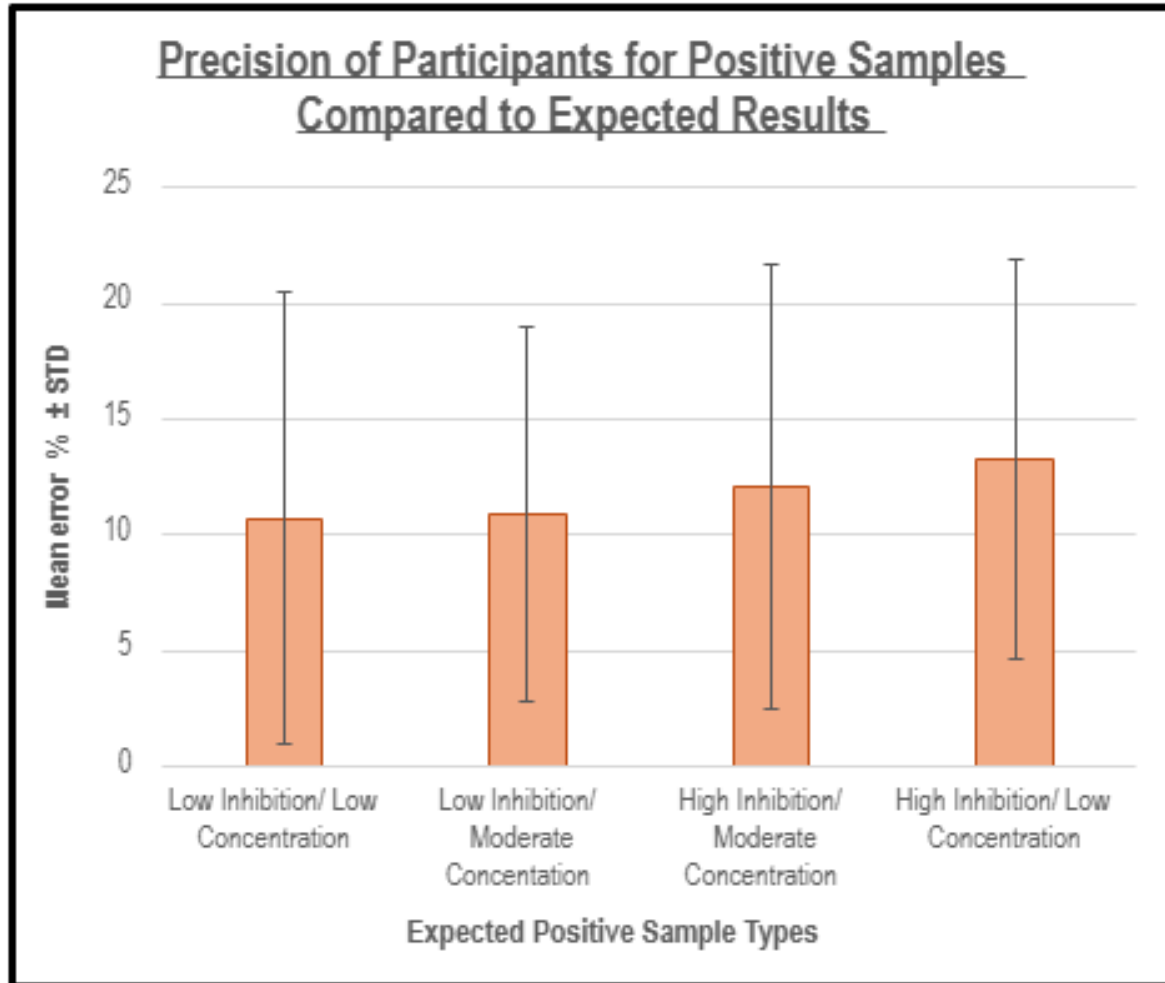
Examine samples

Report results

Evaluate



# 2023-2024 Proficiency Testing Scheme - Results



Laboratory	Batch 1 % Accuracy	Batch 2 % Accuracy
1	90.00	
2	83.33	
3	100.00	
4	100.00	
5	100.00	
6	78.57	93.75
7	90.00	
8	90.00	
9	100.00	

Overall Average Mean Relative Standard Deviation = 1.26%

Proficiency = Overall Accuracy  $\geq$ 90%

# Thank You to the Participating Laboratories!



*Interested in Participating in Future NRC Proficiency Tests?*

More Information: <https://www.ecodna.org.au>  
Contact Information: [ecoDNA@canberra.edu.au](mailto:ecoDNA@canberra.edu.au)