



**Specific Accreditation Criteria
Life Sciences ISO/IEC 17025 Annex**

**Facilities testing water samples for
Cryptosporidium and Giardia**

January 2018



© Copyright National Association of Testing Authorities, Australia 2013


This publication is protected by copyright under the Commonwealth of Australia Copyright Act 1968.

NATA's accredited facilities or facilities seeking accreditation may use or copy this publication or print or email this publication internally for accreditation purposes.

Individuals may store a copy of this publication for private non-commercial use or copy a reasonable portion of this publication in accordance with the fair dealing provisions in Part III Division 3 of the Copyright Act 1968.

You must include this copyright notice in its complete form if you make a copy of this publication.

Apart from these permitted uses, you must not modify, copy, reproduce, republish, frame, upload to a third party, store in a retrieval system, post, transmit or distribute this content in any way or any form or by any means without express written authority from NATA.



Facilities testing water samples for *Cryptosporidium* and *Giardia*

This document provides interpretative criteria and recommendations for the application of ISO/IEC 17025 for both applicant and accredited facilities conducting testing for parasitic protozoa.

Applicant and accredited facilities must also comply with ISO/IEC 17025, the NATA ISO/IEC 17025 Standard Application Document (SAD) and the Life Sciences ISO/IEC 17025 Appendix. The clause numbers in this document follow those of ISO/IEC 17025 but since not all clauses require interpretation the numbering may not be consecutive.

5.2.1 Staff competence and technical control

In addition to the criteria of 5.2.1 Staff competence and technical control in the Life Sciences ISO/IEC 17025 Appendix the following criteria apply.

A supervisor for parasitic protozoa must have analysed a minimum of 100 samples with a minimum of 10 positive samples.

An analyst for parasitic protozoa must have analysed a minimum of 50 samples with a minimum of 5 positive samples.

5.9 Assuring the quality of test and calibration results

Proficiency testing

The acceptable range for percentage recoveries is 10% - 110% in relevant parasitic protozoan proficiency testing programs.

Internal quality control

Recovery rates of positive controls from each sample matrix (one per ten samples) and from reagent water (each sample) must be established and on-going charts of recovery efficiency be maintained. Positive controls must be identified by source, method purification, propagation/age, preservation and percent of cysts and oocysts that meet confirmation criteria (e.g. DAPI positive).

5.10 Reporting of results

Test reports must include recovery rates. The report must also have clear indication of percentage of sample analysed.

Amendment Table

The table below provides a summary of changes made to the document with this issue.

Section or Clause	Amendment
New document	This document represents a direct adoption of the former Biological Testing Annex A. The document has been reviewed and updated to reflect the new accreditation criteria documentation structure.