



# **Specific Accreditation Criteria**

**ISO/IEC 17025 Application Document  
Life Sciences - Annex**

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

**July 2018**

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# 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 comply with all relevant documents in the NATA Accreditation Criteria (NAC) package for Environment (refer to *NATA Procedures for Accreditation*).

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.

## 6 Resource requirements

### 6.2 Personnel

**6.2.3** 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.

## 7 Process Requirements

### 7.7 Ensuring the validity of results

**7.7.1** 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).

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

### 7.8 Reporting of results

#### 7.8.3 Specific requirements for test reports

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

## References

This section lists publications referenced in this document. The year of publication is not included as it is expected that only current versions of the references shall be used.

### Standards

ISO/IEC 17025 General requirements for the competence of testing and calibration laboratories

### NATA Publications

NATA Accreditation Criteria (NAC) package for Environment

## Amendment Table

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

<b>Section or Clause</b>	<b>Amendment</b>
Whole document	Clauses have been aligned with ISO/IEC 17025:2017. No new interpretative criteria or recommendations have been included other than editorial changes.