

# Appendix B: Provincial Case Definitions for Reportable Diseases

Disease: Brucellosis

# Brucellosis

## 1.0 Provincial Surveillance

Confirmed and probable cases of disease

## 2.0 Type of Surveillance

Case-by-case

## 3.0 Case Classification

### 3.1 Confirmed Case

Laboratory confirmation of infection with clinically compatible signs and symptoms:

- Isolation of *Brucella* sp. from an appropriate clinical specimen (e.g., blood, tissue)
- OR**
- A significant (i.e., fourfold or greater) rise in Brucella agglutination titre between acute and convalescent serum specimens obtained 2 or more weeks apart and tested at the same laboratory

### 3.2 Probable Case

- Clinically compatible signs and symptoms in a person with an epidemiologic link to a confirmed case
- OR**
- Clinically compatible signs and symptoms with supportive serology (i.e., Brucella agglutination test titre of 1:160 or higher in one or more serum specimens obtained after onset of symptoms)

## 4.0 Laboratory Evidence

### 4.1 Laboratory Confirmation

Any of the following will constitute a confirmed case of Brucellosis:

- Positive *Brucella* sp. culture with confirmation (See Section 4.2)
- A significant (i.e., fourfold or greater) rise in *Brucella* sp. antibody titre

### 4.2 Approved/Validated Tests

- Standard culture for *Brucella* sp. with confirmation
- Brucella serology
- Confirmatory methods include Tbilisi phage susceptibility, dye tolerance testing, slide agglutination, and nucleic acid amplification test (NAT)

### 4.3 Indications and Limitations

- Additional tests may include NAT for *Brucella* sp. based on availability.

## 5.0 Clinical Evidence

Clinically compatible signs and symptoms are characterized by acute or insidious onset of fever, night sweats, undue fatigue, anorexia, weight loss, headache, and arthralgia.

## 6.0 ICD Code(s)

ICD 10 Code A23

## 7.0 Comments

N/A

## 8.0 References

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- National Notifiable Diseases Surveillance System. Case Definitions. [Internet]. Brucellosis; 1997. Atlanta, GA: Centers for Disease Control and Prevention (CDC); 2008. [cited 2009 Feb 12]. Available from [http://www.cdc.gov/ncphi/diss/nndss/casedef/brucellosis\\_current.htm](http://www.cdc.gov/ncphi/diss/nndss/casedef/brucellosis_current.htm).
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