



## PORTFOLIO 2022

Introducing:

Sentry 300 Fluorescence Polarization Instrument

Brucella OPS iELISA Swine test

Progesterone FPA (P4FPA)

*ellie*

VETERINARY DIAGNOSTICS

# Brucellosis

B1001

## Brucella FPA

FPA

Trade Name	Brucella FPA
Technology	Fluorescence polarization
Antigen	<i>Brucella abortus</i> OPS
Species	Bovine (bison, cervids)
Samples	Serum, milk
Available sizes	250 and 1000 test kits

The original Brucella FPA was developed by Diachemix LLC and the Canadian Food Inspection Agency. It was the first FPA product available for veterinary medicine. It is used globally as a brucellosis screening and confirmatory test for cattle, bison, and cervids and is suitable for vaccinated populations.

B1002

## Brucella FPA II

FPA

Trade Name	Brucella FPA II
Technology	Fluorescence polarization
Antigen	<i>B. abortus</i> & <i>melitensis</i> OPS
Species	Multiple species
Samples	Serum, milk
Available sizes	250 and 1000 test kits

This is a new Brucella FPA variant that provides more consistent data on the negative population in multiple animal species. The Conjugate (Tracer) in the test kit contains a mixture of A and M OPS fragments for broader reactivity. The test is suitable for sheep, goat, human, and several other species.

B1003

## Brucella FPA Medical

FPA

Trade Name	Brucella FPA Medical
Technology	Fluorescence polarization
Antigen	<i>B. abortus</i> & <i>melitensis</i> OPS
Species	Multiple species
Samples	Serum
Available sizes	250 and 1000 test kits

This kit tests human samples, and it is based on the B1002 kit. It contains both *abortus* (A) and *melitensis* (M) antigens, included separately, and Sample Treatment Tubes for FPA, which remove lipids from samples so that they do not interfere with the test.

B1004

## Brucella FPA Milk

FPA

Trade Name	Brucella FPA Milk
Technology	FPA
Antigen	<i>Brucella abortus</i> OPS
Species	Multiple species
Samples	Individual and bulk milk
Available sizes	250 test kits

This kit tests milk samples, and it is not suitable for any other sample types. It uses a new, patent pending technology that prepares milk samples for fluorescence based assays. It is designed for small herds of up to 50 animals and can be used in a lab or on-site setting to test individual or bulk milk samples.

B1300

## Brucella cELISA

cELISA

Trade Name	Brucella cELISA
Technology	Competitive ELISA
Antigen	<i>Brucella abortus</i> LPS
Species	Multiple species
Samples	Serum
Available sizes	2-plate and 5-plate kit

This test uses an antibody specific for the C antigen of Brucella that displays high sensitivity and specificity. It is compliant with EU 64/432 and is recommended when multiple species need to be tested. The test is validated for bovine, sheep, and goat samples, but it is not species specific.

**B1100****Brucella LPS iELISA**

iELISA

Trade Name	Brucella LPS iELISA
Technology	Indirect ELISA
Antigen	<i>Brucella abortus</i> LPS
Species	Cattle, sheep and goats
Samples	Serum, milk
Available sizes	2-plate and 5-plate kit

A classic iELISA using LPS antigen that displays high sensitivity and specificity across multiple species. It is 64/432 EEC- and OIE-compliant and recommended for non-vaccinated populations, when introducing new cattle into a herd, or for import/export purposes. Not recommended for vaccinated animals.

**B1105****Brucella LPS iELISA Bulk Milk**

iELISA

Trade Name	Brucella LPS iELISA Bulk Milk
Technology	Indirect ELISA
Antigen	<i>Brucella abortus</i> LPS
Species	Cattle, sheep and goats
Samples	Bulk milk
Available sizes	2-plate and 5-plate kit

A classic LPS-based indirect ELISA with adjusted sensitivity for bulk milk testing. It is recommended for monitoring brucellosis during or after an eradication program using easily accessible bulk milk samples. It replaces and is more sensitive than a very good milk ring test. EU 64/432-compliant.

**B1110****Brucella OPS iELISA Cattle**

iELISA

Trade Name	Brucella OPS iELISA Cattle
Technology	Indirect ELISA
Antigen	<i>Brucella abortus</i> OPS
Species	Cattle
Samples	Serum, milk
Available sizes	2-plate and 5-plate kit

A next-generation ELISA test that uses the same antigen as the Brucella FPA. It displays a higher specificity and sensitivity than the classic LPS-based iELISA. It can test individual or bulk serum or milk samples and is recommended for testing vaccinated populations, export/import, and many other uses.

**B1113****Brucella OPS iELISA Sheep & Goats**

iELISA

Trade Name	Brucella OPS iELISA Sheep & Goats
Technology	Indirect ELISA
Antigen	<i>Brucella abortus</i> OPS
Species	Sheep and goats
Samples	Serum
Available sizes	2-plate and 5-plate kit

A next-generation ELISA test that uses the same antigen as the Brucella FPA. It displays a higher specificity and sensitivity than the classic LPS-based iELISA. It can test individual or bulk serum or milk samples and is recommended for testing vaccinated populations, export/import, and many other uses.

**B1115****Brucella OPS iELISA Swine**

iELISA

Trade Name	Brucella OPS iELISA Swine
Technology	Indirect ELISA
Antigen	<i>Brucella abortus</i> OPS
Species	Swine
Samples	Serum
Available sizes	2-plate and 5-plate kit

A newly developed indirect ELISA for testing swine samples that uses an OPS antigen. The subunit OPS antigen provides superior specificity and sensitivity. This test is recommended in all situations (e.g. eradication, testing during movement of animals, export/import purposes, etc.).

# Reagents

<b>B1000A</b>	Brucella FPA Tracer A 100 ml (10,000 tests)	B.abortus OPS conjugate used for Brucella FPA testing. Recommended for testing bovine. Part of the original formula.
<b>B1000M</b>	Brucella FPA Tracer M 100 ml (10,000 tests)	<i>B. melitensis</i> OPS conjugate used for Brucella FPA testing. Recommended for testing sheep and goats.
<b>B1200</b>	Rose Bengal Antigen 10 ml and 100 ml or custom	Classic Rose Bengal test antigen. Made of <i>B. abortus</i> 1119-3 strain. Comes stand-alone or with controls as a kit.
<b>B1510</b>	Milk Ring Test Antigen 100 ml (10,000 tests)	Classic Milk Ring Test antigen. Made of <i>B. abortus</i> 1119-3 strain.
<b>B9001</b>	FPA Sample Diluent 1 (25X) 100 ml	Sample diluent used in a variety of fluorescence polarization assays. Part of our B1001 test kit.
<b>B9002</b>	FPA Sample Diluent 2 (10X) 100 ml	Sample diluent used in a variety of fluorescence polarization assays. Part of our B1002 test kit.
<b>B9003</b>	FPA Milk Diluent 100 ml	Sample diluent used to test milk samples with FPA.
<b>C1001</b>	ClearMilk™ Buffer 60 ml (1000 tests)	Specialty designed buffer that separates clear milk serum to test samples with FPA.
<b>S9010</b>	Sample Treatment Tubes Box of 250 Tubes	Sample treatment tubes with silica powder remove fat from serum, which increases optical clarity in fluorescence assays.
<b>B9500</b>	Brucellosis Serum Panel 10 x 0.5 ml Vials in a Box	<p>The Brucellosis Serum Panel is used for quality control and release of Ellie brucellosis test kits. The panel members are equivalents of international standard serum samples. The panel is comprised of the following:</p> <ol style="list-style-type: none"> <li>1. Reference negative sample U.S. origin</li> <li>2. Reference negative sample U.S. origin</li> <li>3. OIEELISASPSS - dilution 1:64 for qualifying ELISA</li> <li>4. OIEELISASPSS - dilution 1:16 for qualifying ELISA and FPA</li> <li>5. OIEELISAWPSS - undiluted for qualifying ELISA and FPA</li> <li>6. USFPASPSS - undiluted for qualifying FPA</li> <li>7. OIEISS - diluted 1:45 for qualifying Rose Bengal Test</li> <li>8. OIEISS - diluted 1:55 for qualifying Rose Bengal test</li> <li>9. OIEELISASPSS - undiluted</li> <li>10. USFPASPSS - undiluted</li> </ol> <p>The panel can be used to test and release iELISA, cELISA, Rose Bengal, FPA, and bulk milk ELISA test kits.</p>

# Tuberculosis

T1001

## TB FPA

FPA

Trade Name	TB FPA
Technology	Fluorescence polarization
Antigen	MPB70 peptide
Species	Bovine
Samples	Serum
Available sizes	250 and 1000 tests kit

This FPA is based on a single peptide of the *M. bovis* MPB70 protein and detects anergic animals. Most TB FPA-positive animals are in the late stage of infection (i.e. very high bacterial loads). This test is recommended for animals that tested negative on a skin test or IGRA assay. Use two weeks after skin test.

T1100

## TB Chimera iELISA

 Embrapa

iELISA

Trade Name	TB Chimera iELISA
Technology	Indirect ELISA
Antigen	MPB70, MPB83, ESAT6
Species	Bovine
Samples	Serum
Available sizes	2-plate and 5-plate kit

This test uses a recombinant chimera from *M. bovis* ESAT6/MPB70/MPB83. It detects anergic animals during the disease's early or late stages. This test is recommended for animals that tested negative on a skin test or IGRA assay. Use two weeks after skin test.

T1200

## TB GAMMA

IGRA

Trade Name	TB Gamma
Technology	IGRA ELISA
Antigen	Bovine IFN Gamma
Species	Bovine
Samples	Blood
Available sizes	2-plate and 5-plate kit

The Interferon Gamma Release Assay (IGRA) is a highly sensitive test for bovine TB. It can be used as a replacement for the skin test. It is also recommended for animals that tested negative on antibody and/or skin tests. Ellie's test is more reliable because it allows for on-site incubation of samples.

# Equine Infectious Anemia

E1001

## EIA FPA

FPA

Trade Name	EIA FPA
Technology	Fluorescence polarization
Antigen	GP45 peptide
Species	Equine
Samples	Serum
Available sizes	250 and 1000 test kits

The EIA FPA is a simple, quick, and accurate assay that detects antibodies against EIA virus. It is a synthetic peptide-based fluorescence polarization assay that detects antibodies specific for viral gp45 protein. It is a non-subjective test and recommended as an AGID assay replacement or as a field assay.

## Metabolic Tests

### G1100 Bovine IFN Gamma ELISA

ELISA

Trade Name	Bovine IFN Gamma ELISA
Technology	Sandwich ELISA
Antigen	Bovine IFN Gamma
Species	Bovine
Samples	Plasma/cell culture supernatant
Available sizes	2-plate and 5-plate kit

The Bovine Interferon Gamma ELISA is a semi-quantitative assay that measures bovine interferon gamma (an important pro-inflammatory cytokine) in plasma or cell culture supernatant. This robust and easy to perform ELISA is suitable for interferon gamma release (IGRA) assays.

## Reproductive Tests

### P1001 P4 FPA

FPA

Trade Name	P4 FPA
Technology	Competitive FPA
Antigen	Progesterone
Species	Bovine
Samples	Milk
Available sizes	250 and 1000 samples kit

The P4 FPA is a quantitative diagnostic test that detects progesterone levels in cattle milk samples. It is a cow-side or a laboratory assay and is recommended for detecting proestrus, irregular estrus cycles, pathological conditions of the corpus luteum or follicles, and as an aid in synchronization.

## Instruments

### S300 Sentry 300

Trade Name	Sentry 300
Technology	Fluorescence polarization
Wavelength	Single wavelength 485/535nm
Format	Single tube, portable reader
Controls	Autonomous or computer
Read time	1.5 seconds typical
Parameters	Fully software adjustable
Power	Micro USB or battery powered





## Company Information Sheet

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<b>Ordering:</b>	Orders may be placed by email at orders@ellielab.com. When placing an order, please supply the appropriate customer identification (billing and shipping address, contact phones and email), catalog number(s), quantity of the items needed, and product name.
<b>Invoicing:</b>	Billing invoices are emailed following shipment. Payment terms are net 30 days, payable in U.S. Dollars, if not otherwise stated. We accept checks, Mastercard, Visa credit cards, and wire transfer.
<b>Shipping:</b>	Items ship Monday through Friday and within one business day from the date the order was received, except in case of overseas shipments and where special certificates are re-quired. If not otherwise stated, shipping fees are prepaid and added to the invoice.
<b>Returns:</b>	Call for authorization prior to returning any item.
<b>Permits/Duties:</b>	All orders should include a copy of any necessary permit or other documentation required for receiving products or customs clearance. Payment of duties and taxes are the responsibility of the recipient, unless agreed otherwise.
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