



2013

# Sampling manual for all pathogens



## order - how to order:

### Bioingentech information

#### ◆ Headquarters

- ◆ **Address:** Salas 350, piso 2. Concepción - Chile
- ◆ **Phone:** 056 041 2790435
- ◆ **Mobile:** (56) -09-90802078
- ◆ **Postal Code:** 4070242
- ◆ **E-mail:** info@bioingentech.com
- ◆ **Site web:** www.bioingentech.com

#### ◆ Branch office:

- ◆ **Address:** Bulnes 107 of 57. Santiago. Chile.
  - ◆ **Phone 1:** (56) -02-26721417
  - ◆ **Mobile:** (56) -09-90802078
  - ◆ **Postal Code:** 8330532
  - ◆ **Email:** info@bioingentech.com
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### Ordering informations:

#### ◆ Following information is required in an order:

- ◆ Product names
- ◆ Catalogue numbers
- ◆ Amount
- ◆ Shipping address
- ◆ VAT number
- ◆ Contact person
- ◆ Telephone or cell number

### Sending samples

#### ◆ Liquid Samples:

Collect fresh whole blood samples in EDTA tubes (purple top), seal, then immediately invert several times to thoroughly mix the blood with the preservative material in the tube. Collect other liquid samples such as cerebrospinal fluid and lavage in plain tubes or similar leakproof, clean containers. Room temperature shipping is adequate.

Mailed PCR envelopes arrive at Bioingentech in Chile Mail transit time, usually no more than 3 business days. If you want faster or trackable transit for your samples, you may prefer to send the PCR envelope via your courier (eg ChileExpress).

We can provide dry cards (FTGen) for drying and sending blood, CSF or semen or other biological fluids to us in your own envelope, without refrigeration. Please, contact Bioingentech if you wish to send samples using dry cards.

#### ◆ Solid Samples:

Place solid fecal samples, fecal/rectal/cloacal swabs, respiratory swabs, fresh tissue, and other nonliquid samples in individual, clean, labeled, sealed containers without transport medium, such as plain tubes or ziplock bags. Ship at normal room temperature the same day as collected if possible. If samples must be held for more than a few hours before shipping, refrigerate and ship within a few days with cold packs. Most swab samples may be shipped at normal room temperature if less than 4-5 days time is expected from origination at the animal source to the samples arrival at Bioingentech.

## International sending samples

### ◆ Samples Via FTA Cards or FTGen:

Bioingentech can perform testing of blood and other liquids from dry cards (e.g: FTGen, FTA cards) , which we provide to our clients outside the Chile. Liquid samples are placed on the cards and dried. Carded samples remain stable for several weeks at room temperature, so handling requirements are less stringent, easing international sample shipping. You may prefer to send the PCR envelope via your courier (e.g.: FedEx, DHL,TNT,UPS).

### Samples indentificacion and submission form:

Uniquely, clearly and permanently label each sample container with an ID of your choice. A completed Bioingentech submission form should be enclosed with every shipment.

### Business Hours:

Bioingentech receives deliveries Monday-Saturday 9:00am - 13:00pm / 14:00pm - 19:00pm.

### Site Shopping:

#### ◆ Bioingentech Ltda.

Headquarters

Address: Salas 350, Piso 2, Concepción – Chile

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Postal Code: 8330243

E-mail: info@bioingentech.com

## ORDER FORM

### Client information:

Company or institution:

Contact name:

Phone Fax:

Email:

### SHIPPING ADDRESS

#### Shipping address:

Shipping street address:

Shipping street address:

City:

State or province :

ZIP or postal code:

Country :

### Assay information:

Test code or test name	Sample ID(s) and sample type(s) submitted for each test

(Attach additional pages as needed, or just attach your own list)

Comments, special instructions, relevant clinical info (symptoms, recent antibiotics, etc.)

(Attach additional pages as needed).

# List

Abbreviation	Price	Name	Sample Type
APP	U\$20	Actinobacillus pleuropneumoniae	A
A.pullorum	U\$20	Aegyptianella pullorum (babesia pullorum)	B
A. hydrophila	U\$20	Aeromona hydrophila	C
AHSV	U\$30	Africa horse sickness virus	B
ASFV	U\$20	African swine fever virus	B
A.centrale	U\$30	Akabane virus	C
A.marginale	U\$20	Anaplasma centrale	B
A.ovis	U\$20	Anaplasma marginale	B
A. phagocytophilum	U\$20	Anaplasma ovis	B
A.platys	U\$20	Anaplasma phagocytophilum	B
Anaplasma sp.	U\$20	Anaplasma platys (f. Ehrlichia platys)	B
A.fumigatus	U\$20	Anaplasma sp.	B
AUJESZKY	U\$20	Aspergillus fumigatus	B
aMPV	U\$20	Aujeszky's disease virus (suid herpesvirus)	D
APV	U\$30	Avian metapneumovirus	E
Avian pox	U\$20	Avian polyomavirus	E
IBV	U\$20	Avian poxvirus	E
H5N1	U\$30	Avian infectious bronchitis virus	E
H7N1	U\$30	Avian influenza virus, serotype H5N1	E
H9N2	U\$30	Avian influenza virus, serotype H7	E
ALV/RSV	U\$30	Avian influenza virus, serotype H9	E
A. orthoreovirus	U\$30	Avian leukosis virus/Rous sarcoma virus	E
ApMV	U\$30	Avian orthoreovirus	E
B.bigemina	U\$30	Avian paramyxovirus	E
B.bovis	U\$20	Babesia bigemina	B
B.caballi	U\$20	Babesia bovis	B
B.canis	U\$20	Babesia caballi	B
B.gibsoni	U\$20	Babesia canis	B
B.equi	U\$20	Babesia gibsoni	B
B.ovis	U\$20	Babesia equi	B
Babesia sp.	U\$20	Babesia ovis	F
B. henselae	U\$20	Babesia sp.	B
Bartonella spp.	U\$20	Bartonella henselae	B
Lyme disease	U\$20	Bartonella spp.	B
Besnoitia spp.	U\$20	Borrelia burgdorferi	B
BHV-1	U\$20	Besnoitia spp.	F
BHV-5	U\$20	Bovine herpesvirus 1 (IBR)	B
BCV	U\$20	Bovine herpesvirus 5	B
BLV	U\$30	Bovine coronavirus	F
BPI3	U\$30	Bovine leukemia virus	B

# List

Abbreviation	Price	Name	Sample Type
BPI3	U\$30	Bovine parainfluenzavirus 3	F
BRSV	U\$30	Bovine respiratory syncytial virus	B
BoRVA	U\$30	Bovine rotavirus A	F
BVD	U\$30	Bovine viral diarrhea virus	B
BTV	U\$30	Bluetongue disease	F
BTV1	U\$30	Bluetongue virus 1	F
BTV2	U\$30	Bluetongue virus 2	F
BTV8	U\$30	Bluetongue virus 8	F
B. hyodysenteriae	U\$20	Brachyspira hyodysenteriae	D
B. pilosicoli	U\$20	Brachyspira pilosicoli	D
B. abortus	U\$20	Brucella abortus	D
C.fetus	U\$20	C. fetus subsp. fetus/venerealis	G
C.coli	U\$20	Campylobacter Coli	D
C.jejuni	U\$20	Campylobacter jejuni	D
CAV-1	U\$20	Canine adenovirus type 1	D
CAV-2	U\$20	Canine adenovirus type 2	D
CHV	U\$20	Canine herpes virus	D
CPIV	U\$30	Canine parainfluenza virus	D
CPV-1	U\$20	Canine parvovirus type 1 (CPV-1)	D
CPV-2	U\$20	Canine parvovirus type 2 (CPV-2)	D
CaCoV	U\$30	Canine coronavirus	D
CAV	U\$20	Chicken anemia virus	D
Chlamydia sp.	U\$20	Chlamydophila spp.	D
C. psittaci/C. abortus	U\$20	Chlamydophila psittaci/abortus	F
C. felis	U\$20	Chlamydophila felis	M
CSFV	U\$30	Classical swine fever virus	G
C. difficile	U\$20	Clostridium difficile	D
C. perfringens	U\$20	Clostridium perfringens	D
M.agalactiae	U\$20	Contigious agalactia-Mycoplasma agalactiae	G
C. burnetti	U\$20	Coxiella burnetti	N
CCHF	U\$30	Crimean-Congo hemorrhagic fever virus	F
D. immitis	U\$20	Dirofilaria immitis	D
CDV	U\$30	Distemper virus	D
EEEV	U\$30	Eastern equine encephalitis	N
EHRlichIA	U\$20	Ehrlichia spp.	O
E. canis	U\$20	Ehrlichia canis	D
EHNv	U\$20	Epizootic haematopoietic necrosis virus	D
EHDV	U\$30	Epizootic hemorrhagic disease virus	D
EHV-1	U\$20	Equine herpesvirus 1	D
EHV-2	U\$20	Equine herpesvirus 2	D

# List

Abbreviation	Price	Name	Sample Type
EHV-3	U\$20	Equine herpesvirus 3	P
EHV-4	U\$20	Equine herpesvirus 4	D
EHV-5	U\$20	Equine herpesvirus 5	D
EIAV	U\$30	Equine infectious anemia virus	Q
EIV H3N8	U\$30	Equine influenza virus H3N8	D
EIV H7N7	U\$30	Equine influenza virus H7N7	D
EAV	U\$30	Equine viral arteritis	D
EQUINE RVA	U\$30	Equine rotavirus strain H-1	D
FAdV	U\$20	Falcon adenovirus	D
FCV	U\$30	Feline Calicivirus	D
FCoV	U\$30	Feline coronavirus (Feline infectious peritonitis)	D
FIV	U\$30	Feline immunodeficiency virus	D
FeLV	U\$30	Feline leukemia virus	D
FPV	U\$20	Feline Panleukopenia Virus	D
FVR	U\$20	Feline viral rhinotracheitis	D
FMDV	U\$30	Foot and mouth disease virus (fiebre aftosa)	D
F. columnare	U\$20	Flavobacterium columnare	C
FUSARIUM	U\$20	Fusarium sp.	D
G. intestinalis	U\$20	Giardia intestinalis (syn. lamblia, duodenalis)	D
ILTV	U\$20	Gallid herpesvirus 1 (Infectious Laryngotracheitis virus)	D
MDV	U\$20	Gallid herpesvirus 2 (Marek's disease virus)	D
H. parasuis	U\$20	Haemophilus parasuis	D
H. meleagridis	U\$20	Histomonas meleagridis	D
H.somni	U\$20	Histophilus somni	F
IBDV	U\$30	Infectious bursal disease virus	D
IHHNV	U\$20	Infectious hypodermal and hematopoietic necrosis virus	C
IPNV	U\$30	Infectious pancreatic necrosis virus	C
ISAV	U\$30	Infectious salmon anemia virus	C
INFLUENZA A	U\$30	Influenza A virus	D
JEV	U\$30	Japanese encephalitisvirus	R
KEMEROVO	U\$30	Kemerovo virus	D
KUDOVA	U\$20	Kudova sp.	D
LAW.INT	U\$20	Lawsonia intracellularis	D
LEISHMANIA	U\$20	Leishmania spp.	D
L. interrogans	U\$20	Leptospira interrogans	H
LEPTOSPIRA	U\$20	Leptospira spp.	H
L. monocytogenes	U\$20	Listeria monocytogenes	D
LIPV	U\$30	Lipovnik virus	E
MBV	U\$20	Monodon baculovirus	C
MoV	U\$30	Mourilyan virus	C



# List

Abbreviation	Price	Name	Sample Type
M. avium	U\$20	Mycobacterium avium subsp. paratuberculosis	D
M. bovis	U\$20	Mycobacterium bovis	I
	U\$20	Mycobacterium tuberculosis new	I
M. gallisepticum	U\$20	Mycoplasma gallisepticum	D
M. haemocanis	U\$20	Mycoplasma haemocanis (f. Haemobartonella canis)	D
M. haemofelis	U\$20	Mycoplasma haemofelis (or Haemobartonella felis)	D
M. hyo	U\$20	Mycoplasma hyopneumoniae	D
MYCOPLASMA	U\$20	Mycoplasma spp.	D
M. suis	U\$20	Mycoplasma suis (Eperythrozoon suis)	D
NHPB	U\$20	Necrotizing hepatopancreatitis bacteria	C
N. caninum	U\$20	Neospora caninum	S
NNV	U\$30	Nervous necrosis virus	C
NDV	U\$30	Newcastle disease virus	E
NOROVIRUS	U\$30	Norwalk virus (Norovirus)	C
N.SALMONIS	U\$20	Nucleospora salmonis	C
ORT	U\$20	Ornithobacterium rhinotracheale	E
OvHV- 2	U\$20	Ovine herpes virus type 2	J
P. haemolytica	U\$20	Pasteurella mannheimia haemolytica	J
P. multocida	U\$20	Pasteurella multocida	T
IMNV	U\$30	Penaeid shrimp infectious myonecrosis virus	C
HPV	U\$20	Penaeus monodon hepatopancreatic parvovirus	C
PvNV	U\$30	Penaeus vannamei nodavirus	C
PPRV	U\$30	Peste des petits ruminants virus	J
PiCV	U\$20	Pigeon circovirus	U
P.salmonis	U\$20	Piscirickettsia salmonis	C
PCV2	U\$20	Porcine circovirus type-2	V
PEDV	U\$30	Porcine epidemic diarrhea virus	D
PPV	U\$20	Porcine parvovirus	D
PRRS	U\$30	Porcine reproductive and respiratory syndrome virus	W
PoRV	U\$30	Porcine rubulavirus	D
PBFDV	U\$20	Psittacine beak and feather disease virus	K
PsHV-1	U\$20	Psittacid herpesvirus 1 (Pacheco's Disease virus)	K
PLASMIDIUM	U\$20	Plasmodium sp.	E
RABV	U\$30	Rabies virus	X
R. salmoninarum	U\$20	Renibacterium salmoninarum	C
R.prowazekii	U\$20	Rickettsia prowazekii	F
R.Rickettsii	U\$20	Rickettsia rickettsii	F
RICKETTSIA	U\$20	Rickettsia spp.	E
R.equi	U\$20	Rhodococcus equi	E
SPDV	U\$30	Salmon pancreas disease virus	C



## List

Abbreviation	Price	Name	Sample Type
S. Enteritidis	U\$20	Salmonella enteritidis	E
SALMONELLA	U\$20	Salmonella spp.	K
S.neurona	U\$20	Sarcocystis neurona (Equine Protozoal Myeloencephalitis)	D
SVCV	U\$30	Spring viraemia of carp virus	C
S.equi	U\$20	Streptococcus equi	Y
S.aureus	U\$20	Staphylococcus aureus	F
S.phocae	U\$20	Streptococcus phocae	C
S.iniae	U\$20	Streptococcus iniae	C
SIV H1N1	U\$30	Swine influenza virus	Z
SVDV	U\$30	Swine vesicular disease virus	LL
TSV	U\$30	Taura syndrome virus	C
T.annulata	U\$20	Theileria annulata	F
T.lestoquardi	U\$20	Theileria lestoquardi	F
T.ovis	U\$20	Theileria ovis	F
T.parva	U\$20	Theileria parva	F
Theileria sp.	U\$20	Theileria sp.	F
T.congolense	U\$20	Trypanosoma congolense	F
T.evansi	U\$20	Trypanosoma evansi	F
T.gallinae	U\$20	Trichomonas gallinae	E
T.vivax	U\$20	Trypanosoma vivax	F
TOXO	U\$20	Toxoplasma gondii	H
UUKV	U\$30	Uukuniemi virus	E
VEEV	U\$30	Venezuelan equine encephalitis	L
VIBRIO	U\$20	Vibrio sp.	C
VHSV	U\$30	Viral hemorrhagic septicemia virus	C
WNV	U\$30	West Nile virus	H
WEEV	U\$30	Western equine encephalitis	L
WSSV	U\$20	White spot syndrome virus	C
Y.ruckeri	U\$20	Yersinia ruckeri	C
YHV	U\$30	Yellow head virus	C

Abbreviation	Name
A	Throat swab, or cloacal swab, Each sample 4 drops Blood in filter paper or 0.2 mL Whole blood in EDTA (purple top) tube, Tick, fleas.
B	Each sample 4 drops Blood in filter paper or 0.2 mL Whole blood in EDTA (purple top) tube or 0.5 ml fresh or frozen tissue. Tick, fleas.
C	five units of eggs or fertilized eggs, 0.2 semen, 0.5 ml of blood collected in EDTA (purple top) tube, wound swab of lesions, 0.5 ml feces, 0.5 ml water sample, 0.5 ml bacterial culture, 0.5g food sample, 0.5g Tissue (liver, kidney, spleen), 2 g Hepatopancreas, 0.5 ml faecal samples.
D	0.5 ml whole blood in EDTA (purple top) or ACD (yellow top) tube, or 0.5 ml feces, or 0.5 ml fresh, frozen or fixed tissue, or nasal swab, or fecal swab.
E	Tracheal swab or oropharyngeal swab, 0.5 ml whole blood in EDTA (purple top) or ACD (yellow top) tube, or 0.5 ml serum or plasma, Rectal swab, cloacal swab, 0.5 ml feces, food swab, lesion swab, environmental surface swab,
F	Each sample 4 drops Blood in filter paper or 0.2 mL Whole blood in EDTA (purple top) tube or 0.5 ml fresh or frozen tissue. Tick
G	0.5 ml whole blood in EDTA (purple top) or ACD (yellow top) tube, or 0.5 ml feces or urine, or 0.5 ml fresh or frozen tissue, or rectal swab, or nasal swab.
H	0.5 ml whole blood in EDTA (purple top) or ACD (yellow top) tube, or 0.5 ml feces or Urine, or 0.5 ml fresh, frozen or fixed tissue, CFS, or nasal swab, or fecal swab, aqueous humor.
I	Excised lesion from lung or other organ, or granuloma, or 0.5 ml lymph node tissue, or 0.5 ml bronchoalveolar lavage or gastric lavage, or 0.5 ml trunk lavage (elephants).
J	Each sample 4 drops Blood in filter paper or 0.2 mL Whole blood in EDTA (purple top) tube or 0.5 ml fresh or frozen tissue.
K	0.2 ml whole blood in EDTA (purple top) or ACD (yellow top) tube, or 0.2 ml feces, or cloacal swab, or swab of the outer surface of liver, spleen or kidney, or 0.2 ml fresh, frozen or fixed tissue.
L	0.5 ml whole blood in EDTA (purple top) or ACD (yellow top) tube, or 0.5 ml fresh or frozen CNS tissue, or 0.5 ml CSF, serum or plasma.
M	Ocular or conjunctiva swab, cloacal or choanal swab, placenta, feces, liver or spleen.
N	0.5 ml whole blood in EDTA (purple top) or ACD (yellow top) tube, or rectal swab or genital swab, or 0.5 ml feces, milk, urine, amniotic fluid or aborted tissue.
Ñ	0.5 ml whole blood in EDTA (purple top) or ACD (yellow top) tube, or 0.5 ml fresh or frozen CNS tissue, or 0.5 ml CSF, serum or plasma.

## List

Abbreviation	Name
O	0.5 ml whole blood in EDTA (purple top) or ACD (yellow top) tube, or 0.2 ml synovial fluid, or tick.
P	0.5 ml whole blood in EDTA (purple top) or ACD (yellow top) tube, or lesion swab, or 0.5 ml fresh, frozen or fixed tissue.
Q	0.5 ml whole blood in EDTA (purple top) or ACD (yellow top) tube, or 0.5 ml fresh, frozen or fixed tissue.
R	0.5 ml whole blood in EDTA (purple top) or ACD (yellow top) tube (0.2 ml for avian), or 0.2 ml fresh or frozen CNS tissue, or 0.2 ml CSF, serum or plasma.
S	0.5 ml feces, or rectal swab, or 0.5 ml whole blood in EDTA (purple top) or ACD (yellow top) tube, or 0.5 ml CSF, or 0.5 ml fresh, frozen or fixed brain, heart or aborted tissue.
T	Nasopharyngeal swab; or 0.5 ml whole blood in EDTA (purple top) or ACD (yellow top) tube (0.2 ml for rodent).
U	0.2 ml whole blood in EDTA (purple top) or ACD (yellow top) tube, or 0.2 ml fresh, frozen or fixed tissue.
V	0.5 ml whole blood in EDTA (purple top) or ACD (yellow top) tube, or 0.5 ml saliva, or oral swab, or 0.5 ml fresh, frozen or fixed tissue.
W	0.5 ml whole blood in EDTA (purple top) or ACD (yellow top) tube, or 0.5 ml semen, or 0.5 ml fresh, frozen or fixed tissue, or nasal swab or genital swab.
X	Buccal swab, or 0.5 ml CSF, or 0.5 ml fresh or frozen brain stem tissue.
Y	Nasopharyngeal swab, or lymph node abscess swab, or guttural pouch swab, or 0.5 ml fresh, frozen or fixed tissue, or 0.5 ml whole blood in EDTA (purple top) tube.
Z	0.5 ml whole blood in EDTA (purple top) or ACD (yellow top) tube, or 0.5 ml feces, or 0.5 ml fresh, frozen or fixed tissue, or nasal swab, or fecal swab.
LL	Vesicular fluid or lesion swab, or 0.5 ml whole blood in EDTA (purple top) or ACD (yellow top) tube, or 0.5 ml feces, or 0.5 ml fresh or frozen tissue.