



Contents

4 Animal Health Monitoring Products

Rodent and Rabbit Health Monitoring Products

- 6 ELISA Kits
- 10 ELISA Plates
- 12 ELISA Controls
- 16 PCR Positive Controls
- 17 PCR Kits

18 Simian Health Monitoring Products

- 19 ELISA Plates
- 20 ELISA Controls

22 Canine and Feline Health Monitoring Products

- 23 ELISA Plates
- 24 ELISA Controls
- 25 PCR Positive Controls

27 Other Kit Contents

28 Antigens

- 28 Rodent and Rabbit
- 30 Simian
- 32 Canine and Feline

34 Customized Multiplex ELISA Kits

- Mouse
- Rat
- Simian

36 Microbiology and Vaccine Research

- 37 HIV/SIV Products
- 40 Human Infectious Disease Products
- 42 Mycoplasma Detection and Elimination Products
- 44 Vaccine Research Products
- 46 Rodent Immunoglobulin Class ELISAs

48 Cytokine ELISA Kits

- Human
- Mouse
- Rat

50 Coated ELISA Plates

- Xpress capture Glutathione
- Xpress capture Streptavidin
- Xpress capture Nickel Chelate

52 Molecular Biology

- 53 cDNA Libraries
 - Human
 - Animal
 - Plant

56 cDNA Synthesis Kits

ALL PRODUCTS ARE FOR RESEARCH USE ONLY

NOT FOR DIAGNOSTIC USE

About XpressBio

XpressBio manufactures and markets immunological and molecular products and services to the bioscience research community around the world. We specialize in ELISA immunoassays and reagents for mice, rats, guinea pigs, hamsters, rabbits and non-human primates, as well as research HIV products, cDNA Libraries, cDNA Synthesis and Mycoplasma detection and elimination kits. We are committed to satisfying our customers by providing high quality products and services matched by superb customer services.

Our research capabilities and extensive experience allow XpressBio to continuously expand its product portfolio through responding to the needs of clients for a customized solution. Partnering with clients in this manner allows us to customize assays for client needs while simultaneously expanding our product offering.

Our scientific officers are comprised of an elite group of pioneers in immunoassays and infectious disease diagnostics as well as molecular biology. They have extensive experience raising Antigens and Antibodies, developing optimized ELISA products, Monoclonal and Polyclonal Antibodies, Protein Purification. PCR, RT-PCR, Expression Cloning, Southern, Northern and Western Blotting, Gene Expression and cDNA Library Construction. Our scientific director was involved with development of the first commercial ELISA product that obtained approval from the FDA. Over his career he has obtained near 100 FDA clearances for diagnostic products, with many being the first through the FDA, such as assays for Human Rubella, Measles, Mumps, Lyme Disease and Helicobacter pylori.

CEO and President: Mo Hashemzadeh

Chief Scientific Officer: Bill Boteler

Animal Health Monitoring Products

Rodent and Rabbit Health Monitoring Products

ELISA Kits
ELISA Plates
ELISA Controls
PCR Positive Controls
PCR Kits

These assays have exactly the same protocol and use many of the same buffers and substrate. The conjugate is anti-species IgG light and heavy chain horseradish peroxidase. All reagents are supplied at use dilution. ELISA plates are stabilized for ease of use, shipping and storage. These assays can be used for detection of antibodies in serum or plasma and can be multiplexed in the same well.

XpressBio's animal health monitoring ELISA kits test for common pathogens in mice, rats, guinea pigs, rabbits, hamsters, and non-human primates. All multiplex and single agent ELISA products utilize a common protocol. Kit components and antigens are available for individual purchase.



Multiplex Assays

Our Multiplex assays offer up to 9 different pathogens per well. At 5ul of specimen per multiplex assay (stored at 2-8 degrees celsius), there is also significant reduction in labor and turnaround time. Multiplex assays use the same protocol as single agent ELISAs.

SOME MULTIPLEX ASSAYS THAT WE HAVE MADE FOR OUR CUSTOMERS:

- CARB, Ecu
- Sendai, PVM, MAD, Reo-3
- PVM, Reo-3, TMEV, LCM
- Sendai, RCV/SDA, KRV, NSI, HI, MYCO
- PVM, Reo-3, Sendai, Ectro, LCM
- MHV, TMEV, MYCO
- MVM, NS1, MPV
- RCV/SDA, Myco, NSI, Sendai, Tyzzers
- MAD, Reo-3, LCM, Ectro, MCMV
- TMEV, EDIM, MVM, MPV
- MAD, MCMV
- TYZZERS, Myco
- MCMV, MAD, Tyzzers
- TMEV, KRV, H-1, NS1
- Sendai, PVM, TMEV, Myco, Tyzzers
- Sendai, PVM, MHV, MYCO
- MAD, Reo-3, LCM
- Tyzzers, PVM, Sendai, RCV/SDA, Myco
- Tyzzers, Hantaan

MULTIPLEX AND SINGLE AGENT TESTS

Easy to Use

- Standard ELISA format
- One protocol for all assays
- 5ul sample size
- Common components
- Compatible with plate washers, readers and plate processors
- Ready-to-use plates, controls, diluent, conjugate, substrate and stop solution

Reliable

- Reproducible: CV <5%
- Detects low levels of antibody for early identification of infection
- Consistent performance in Stability Testing at 4°C and 37°C

Cost-effective

- 2 1/2 hour turnaround time
- 24 month shelf life (less wasted reagent)
- All common components, except conjugates
- 2-8°C Storage & Ambient Shipping Conditions (no dry ice)
- Components available separately & in bulk

Animal Monitoring ELISA Kits

Infectious agent	Reference	Product description	Pack size
Adenovirus			
		Mouse	
	IM-320C	Mouse Adenovirus (FL) ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
	IM-805C	Mouse Adenovirus (FL/K87) ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
	IM-321C	Mouse Adenovirus (K87) ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
		Rat	
	IM-322C	Rat Adenovirus (FL) ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
	IM-812C	Rat Adenovirus (FL/K87) ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
	IM-323C	Rat Adenovirus (K87) ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
		Guinea Pig	
	IM-040C	Guinea Pig Adenovirus (FL) ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
	IM-150C	Guinea Pig Adenovirus (FL/K87) ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
Cilia-Associated Respiratory Bacillus (CARB)			
		Guinea Pig	
	IM-614C	Guinea Pig CARB ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
		Mouse	
	IM-814C	Mouse CARB ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
		Rabbit	
	IM-605C	Rabbit CARB ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
		Rat	
	IM-803C	Rat CARB ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
<i>Clostridium piliformis</i> (Tyzzer's disease)			
		Guinea Pig	
	IM-615C	Guinea Pig <i>Clostridium piliformis</i> ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
		Hamster	
	IM-504C	Hamster <i>Clostridium piliformis</i> ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
		Mouse	
	IM-813C	Mouse <i>Clostridium piliformis</i> ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
		Rabbit	
	IM-606C	Rabbit <i>Clostridium piliformis</i> ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
		Rat	
	IM-804C	Rat <i>Clostridium piliformis</i> ELISA KIT	96 Antigen Wells and 96 Control Antigen Wells
Ectromelia Virus (Mousepox)			
		Mouse	
	IM-696C	Mouse Ectromelia Virus ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
<i>Encephalitozoon cuniculi</i> (E. cun)			
		Guinea Pig	
	IM-616C	Guinea Pig <i>E. cun</i> ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
		Hamster	
	IM-506C	Hamster <i>E. cun</i> ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
		Mouse	
	IM-809C	Mouse <i>E. cun</i> ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
		Rabbit	
	IM-607C	Rabbit <i>E. cun</i> ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
		Rat	
	IM-810C	Rat <i>E. cun</i> ELISA KIT	96 Antigen Wells and 96 Control Antigen Wells
Epizootic Diarrhea of Infant Mice (EDIM)			
		Mouse	
	IM-800C	EDIM ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
Guinea Pig Chlamydia psittaci			
	IM-161C	Guinea Pig Chlamydia psittaci ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
Guinea Pig CMV			
	IM-160C	Guinea Pig CMV ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells

Infectious agent	Reference	Product description	Pack size
Hanta Virus			
		Mouse	
	IM-825C	Mouse Hanta Virus ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
		Rat	
	IM-826C	Rat Hanta Virus ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
<i>Helicobacter hepaticus</i>			
		Mouse	
	IM-500C	Mouse <i>Helicobacter hepaticus</i> ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
		Rat	
	IM-501C	Rat <i>Helicobacter hepaticus</i> ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
K Virus (Pneumonitis)			
		Mouse	
	IM-827C	Mouse K Virus ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
Kilham Rat Virus (KRV)			
	IM-703C	Kilham Rat Virus / H1 (KRV-H1) ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
	IM-829C	KRV ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
Lymphocytic Choriomeningitis Virus (LCMV)			
		Guinea Pig	
	IM-502C	Guinea Pig LCMV ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
		Hamster	
	IM-503C	Hamster LCMV ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
		Mouse	
	IM-698C	Mouse LCMV ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
		Rat	
	IM-815C	Rat LCMV ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
Minute Virus			
		Mouse	
	IM-691C	Minute Virus of Mice ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
		Rat	
	IM-214C	Rat Minute Virus ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
Mouse LDHV			
	IM-055C	Mouse LDHV ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
Mouse Bordetella hinzii			
	IM-460C	Mouse Bordetella hinzii ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
Mouse Cytomegalovirus (CMV)			
	IM-811C	Mouse CMV ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
Mouse Hepatitis Virus (MHV)			
	IM-692C	Mouse Hepatitis Virus (MHV) ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
Mouse P. Murina			
	IM-130C	Mouse P. Murina ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
Mycoplasma arthritis			
		Mouse	
	IM-704C	Mouse Mycoplasma arthritis ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
		Rat	
	IM-706C	Rat Mycoplasma arthritis ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
<i>Mycoplasma pulmonis</i>			
		Mouse	
	IM-697C	Mouse <i>Mycoplasma pulmonis</i> ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
		Rat	
	IM-699C	Rat <i>Mycoplasma pulmonis</i> ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
		Hamster	
	IM-508C	Hamster <i>Mycoplasma pulmonis</i> ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
		Guinea Pig	
	IM-149C	Guinea Pig <i>Mycoplasma pulmonis</i> ELISA Kit	

Infectious agent	Reference	Product description	Pack size
Parainfluenza Virus			
		Guinea Pig	
	IM-302C	Guinea Pig Parainfluenza Virus 3 (PI3) ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
		Rat	
	IM-301C	Rat Parainfluenza Virus 3 (PI3) ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
Parvovirus			
		Mouse	
	IM-213C	Mouse Parvovirus (MPV) Native Antigen ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
	IM-832C	Mouse Parvovirus (MPV1 & MPV2), VP2 ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
		Rat	
	IM-324C	Rat Parvovirus (RPV), Native Antigen ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
	IM-802C	Rat Parvovirus (RPV), NS1 ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
Pasteurella			
		Mouse	
	IM-311C	Mouse <i>Pasteurella haemolytica</i> ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
	IM-312C	Mouse <i>Pasteurella multocida</i> ELISA kit	96 Antigen Wells and 96 Control Antigen Wells
	IM-310C	Mouse <i>Pasteurella pneumotropica</i> ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
		Rat	
	IM-314C	Rat <i>Pasteurella haemolytica</i> ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
	IM-315C	Rat <i>Pasteurella multocida</i> ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
	IM-313C	Rat <i>Pasteurella pneumotropica</i> ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
<i>Pneumocystis carinii</i>			
		Swine	
	IM-099C	Swine <i>Pneumocystis carinii</i> ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
		Rat	
	IM-151C	Rat <i>Pneumocystis carinii</i> ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
Pneumonia Virus (PVM)			
		Guinea Pig	
	IM-609C	Guinea Pig Pneumonia Virus (PVM) ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
		Hamster	
	IM-608C	Hamster Pneumonia Virus (PVM) ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
		Mouse	
	IM-693C	Mouse Pneumonia Virus (PVM) ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
		Rabbit	
	IM-603C	Rabbit Pneumonia Virus (PVM) ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
		Rat	
	IM-701C	Rat Pneumonia Virus (PVM) ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
Polyoma Virus			
		Mouse	
	IM-786C	Mouse Polyoma Virus ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
Rabbit Pox			
	IM-163C	Rabbit Pox ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
Rabbit RHDV			
	IM-162C	Rabbit RHDV ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
Rabbit Rotavirus			
	IM-152C	Rabbit Rotavirus ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
Rabbit Toxoplasma			
	IM-164C	Rabbit Toxoplasma ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells

Infectious agent	Reference	Product description	Pack size
Rat Coronavirus/ Sialodacryoadenitis Virus (RCV/SDA)			
	IM-700C	RCV/SDA ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
Reovirus			
		Guinea Pig	
	IM-505C	Guinea Pig Reovirus type 3 ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
		Hamster	
	IM-610C	Hamster Reovirus type 3 ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
		Mouse	
	IM-694C	Mouse Reovirus type 3 ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
	IM-820C	Mouse Reovirus type 1 ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
		Rat	
	IM-816C	Rat Reovirus type 3 ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
	IM-821C	Rat Reovirus type 1 ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
Sendai Virus			
		Guinea Pig	
	IM-613C	Guinea Pig Sendai ELISA kit	96 Antigen Wells and 96 Control Antigen Wells
		Hamster	
	IM-612C	Guinea Pig Sendai ELISA kit	96 Antigen Wells and 96 Control Antigen Wells
		Mouse	
	IM-695C	Guinea Pig Sendai ELISA kit	96 Antigen Wells and 96 Control Antigen Wells
		Rabbit	
	IM-611C	Guinea Pig Sendai ELISA kit	96 Antigen Wells and 96 Control Antigen Wells
		Rat	
	IM-702C	Guinea Pig Sendai ELISA kit	96 Antigen Wells and 96 Control Antigen Wells
Simian Virus (SV5)			
		Guinea Pig	
	IM-602C	Guinea Pig SV5 ELISA kit	96 Antigen Wells and 96 Control Antigen Wells
		Rabbit	
	IM-507C	Rabbit SV5 ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
		Hamster	
	IM-601C	Hamster SV5 ELISA kit	96 Antigen Wells and 96 Control Antigen Wells
Streptobacillus moniliformis			
		Mouse	
	IM-061C	Mouse Streptobacillus moniliformis ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
		Rat	
	IM-062C	Rat Streptobacillus moniliformis ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
Theiler's Murine Encephalomy- elitis Virus (TMEV)			
		Mouse	
	IM-690C	Mouse TMEV ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
		Rat	
	IM-806C	Rat TMEV ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells
Toolan's H-1 Virus			
		Rat	
	IM-828C	Rat Toolan's H-1 Virus ELISA Kit	96 Antigen Wells and 96 Control Antigen Wells

Animal ELISA Plates

Infectious agent	Reference	Product description	Pack size
Adenovirus			
	595-320C	Adenovirus (FL) ELISA Microplate	48 Antigen Wells and 48 Control Antigen Wells
	595-321C	Adenovirus (K87) ELISA Microplate	48 Antigen Wells and 48 Control Antigen Wells
	595-495C	Adenovirus (FL/K87) ELISA Microplate	48 Antigen Wells and 48 Control Antigen Wells
Cilia-Associated Respiratory Bacillus (CARB)			
	595-502C	CARB ELISA Microplate	48 Antigen Wells and 48 Control Antigen Wells
Clostridium piliformis (Tyzzer's disease)			
	595-504C	Clostridium piliformis ELISA Microplate	48 Antigen Wells and 48 Control Antigen Wells
Ectromelia Virus			
	595-436C	Ectromelia Virus ELISA Microplate	48 Antigen Wells and 48 Control Antigen Wells
Encephalitozoon cuniculi (E. cun)			
	595-521C	E. cun ELISA Microplate	48 Antigen Wells and 48 Control Antigen Wells
Epizootic Diarrhea of Infant Mice (EDIM)			
	595-498C	EDIM ELISA Microplate	48 Antigen Wells and 48 Control Antigen Wells
Guinea Pig Chlamydia psittaci			
	595-163C	Chlamydia psittaci ELISA Microplate	48 Antigen Wells and 48 Control Antigen Wells
Guinea Pig CMV			
	595-161C	Guinea Pig CMV ELISA Microplate	48 Antigen Wells and 48 Control Antigen Wells
Hanta Virus			
	595-460C	Hanta Virus ELISA Microplate	48 Antigen Wells and 48 Control Antigen Wells
Helicobacter hepaticus			
	595-300C	Helicobacter hepaticus ELISA Microplate	48 Antigen Wells and 48 Control Antigen Wells
K Virus			
	595-461C	K Virus ELISA Microplate	48 Antigen Wells and 48 Control Antigen Wells
Kilham Rat Virus (KRV)			
	595-451C	Kilham Rat Virus/H1 (KRV-H1) ELISA Microplate	48 Antigen Wells and 48 Control Antigen Wells
	595-463C	KRV ELISA Microplate	48 Antigen Wells and 48 Control Antigen Wells
LDHV			
	595-055C	Mouse LDHV ELISA Microplate	48 Antigen Wells and 48 Control Antigen Wells
Lymphocytic Choriomeningitis Virus (LCMV)			
	595-438C	LCMV ELISA Microplate	48 Antigen Wells and 48 Control Antigen Wells
Minute Virus			
	595-431C	Minute Virus of Mice (MVM) ELISA Microplate	48 Antigen Wells and 48 Control Antigen Wells
	595-701C	Rat Minute Virus (RMV) ELISA Microplate	48 Antigen Wells and 48 Control Antigen Wells
Mouse Bordetella hinzii			
	595-470C	Mouse Bordetella hinzii ELISA Microplate	48 Antigen Wells and 48 Control Antigen Wells
Mouse Cytomegalovirus (MCMV)			
	595-519C	Mouse CMV ELISA Microplate	48 Antigen Wells and 48 Control Antigen Wells
Mouse Hepatitis Virus (MHV)			
	595-432C	Mouse Hepatitis Virus (MHV) ELISA Microplate	48 Antigen Wells and 48 Control Antigen Wells
Mouse Norovirus (MNV)			
	595-631C	Mouse Norovirus ELISA Microplate	48 Antigen Wells and 48 Control Antigen Wells
Mouse P. Murina			
	595-130C	Mouse P. Murina ELISA Microplate	48 Antigen Wells and 48 Control Antigen Wells
Mycoplasma arthritis			
	595-705C	Mycoplasma arthritis ELISA Microplate	48 Antigen Wells and 48 Control Antigen Wells
Mycoplasma pulmonis			
	595-437C	Mycoplasma pulmonis ELISA Microplate	48 Antigen Wells and 48 Control Antigen Wells
Parainfluenza Virus			
	595-310C	Parainfluenza 3 Virus (PI3) ELISA Microplate	48 Antigen Wells and 48 Control Antigen Wells
Parvovirus			
	595-121C	Mouse Parvovirus Native Antigen ELISA Microplate	48 Antigen Wells and 48 Control Antigen Wells
	595-602C	Mouse Parvovirus (MPV1 & MPV2), VP2 ELISA Microplate	48 Antigen Wells and 48 Control Antigen Wells
	595-327C	Rat Parvovirus (RPV), Native Antigen ELISA Microplate	48 Antigen Wells and 48 Control Antigen Wells
	595-501C	Rat Parvovirus (RPV), NS1 ELISA Microplate	48 Antigen Wells and 48 Control Antigen Wells

Infectious agent	Reference	Product description	Pack size
Pasturella			
	595-308C	Pasturella haemolytica ELISA Microplate	48 Antigen Wells and 48 Control Antigen Wells
	595-309C	Pasturella multocida ELISA Microplate	48 Antigen Wells and 48 Control Antigen Wells
	595-307C	Pasturella pneumotropica ELISA Microplate	48 Antigen Wells and 48 Control Antigen Wells
Pneumocystis carinii			
		Swine	
	595-099C	Swine Pneumocystis carinii ELISA Microplate	48 Antigen Wells and 48 Control Antigen Wells
		Rat	
	595-153C	Rat Pneumocystis carinii ELISA Microplate	48 Antigen Wells and 48 Control Antigen Wells
Pneumonia Virus (PVM)			
	595-433C	Pneumonia Virus (PVM) ELISA Microplate	48 Antigen Wells and 48 Control Antigen Wells
Polyoma Virus			
	595-439C	Polyoma Virus ELISA Microplate	48 Antigen Wells and 48 Control Antigen Wells
Rabbit Pox			
	595-167C	Rabbit Pox ELISA Microplate	48 Antigen Wells and 48 Control Antigen Wells
Rabbit RHDV			
	595-165C	Rabbit RHDV ELISA Microplate	48 Antigen Wells and 48 Control Antigen Wells
Rabbit Rotavirus			
	595-154C	Rabbit Rotavirus ELISA Microplate	48 Antigen Wells and 48 Control Antigen Wells
Rabbit Toxoplasma			
	595-169C	Toxoplasma ELISA Microplate	48 Antigen Wells and 48 Control Antigen Wells
Rat Coronavirus/Sialodac ryoadenitis Virus (RCV/SDA)			
	595-445C	RCV/SDA ELISA Microplate	48 Antigen Wells and 48 Control Antigen Wells
Reovirus			
	595-434C	Reovirus type 3 ELISA Microplate	48 Antigen Wells and 48 Control Antigen Wells
	595-530C	Reovirus type 1 ELISA Microplate	48 Antigen Wells and 48 Control Antigen Wells
Sendai Virus			
	595-498C	Sendai Virus ELISA Microplate	48 Antigen Wells and 48 Control Antigen Wells
Simian Virus 5 (SV5)			
	595-150C	SV5 ELISA Microplate	48 Antigen Wells and 48 Control Antigen Wells
Streptobacillus moniliformis			
	595-060c	Streptobacillus moniliformis ELISA Microplate	48 Antigen Wells and 48 Control Antigen Wells
Thelie's Murine Encephalo- myelitis Virus (TMEV)			
	595-430C	TMEV ELISA Microplate	48 Antigen Wells and 48 Control Antigen Wells
Toolan's H-1 Virus			
	595-462C	Toolan's H-1 Virus ELISA Microplate	48 Antigen Wells and 48 Control Antigen Wells

ELISA Kit Controls

Infectious agent	Reference	Product description	Pack size
Adenovirus			
		Mouse	
	595-322	Mouse Adenovirus (FL) Positive Control	1 ml
	595-496	Mouse Adenovirus (FL/K87) Positive Control	1 ml
	595-323	Mouse Adenovirus (K87) Positive Control	1 ml
		Rat	
	595-324	Rat Adenovirus (FL) Positive Control	1 ml
	595-513	Rat Adenovirus (FL/K87) Positive Control	1 ml
	595-325	Rat Adenovirus (K87) Positive Control	1 ml
		Guinea Pig	
	595-213	Guinea Pig Adenovirus (FL/K87) Positive Control	1 ml
Cilia-Associated Respiratory Bacillus (CARB)			
		Guinea Pig	
	595-616	Guinea Pig CARB Positive Control	1 ml
		Mouse	
	595-503	Mouse CARB Positive Control	1 ml
		Rabbit	
	595-619	Rabbit CARB Positive Control	1 ml
		Rat	
	595-492	Rat CARB Positive Control	1 ml
Clostridium piliformis (Tyzzer's disease)			
		Guinea Pig	
	595-620	Guinea Pig <i>Clostridium piliformis</i> Positive Control	1 ml
		Hamster	
	595-634	Hamster <i>Clostridium piliformis</i> Positive Control	1 ml
		Mouse	
	595-505	Mouse <i>Clostridium piliformis</i> Positive Control	1 ml
		Rabbit	
	595-621	Rabbit <i>Clostridium piliformis</i> Positive Control	1 ml
		Rat	
	595-494	Rat <i>Clostridium piliformis</i> Positive Control	1 ml
Ectromelia Virus (Mousepox)			
		Mouse	
	595-426	Mouse Ectromelia Virus Positive Control	1 ml
Encephalitozoon cuniculi (E. cun)			
		Guinea Pig	
	595-622	Guinea Pig <i>E. cun</i> Positive Control	1 ml
		Hamster	
	595-407	Hamster <i>E. cun</i> Positive Control	1 ml
		Mouse	
	595-516	Mouse <i>E. cun</i> Positive Control	1 ml
		Rabbit	
	595-623	Rabbit <i>E. cun</i> Positive Control	1 ml
		Rat	
	595-515	Rat <i>E. cun</i> Positive Control	1 ml
Epizootic Diarrhea of Infant Mice (EDIM)			
		Mouse	
	595-500	Epizootic Diarrhea of Infant Mice (EDIM) Positive Control	1 ml

Infectious agent	Reference	Product description	Pack size
Guinea Pig Chlamydia psittaci			
	595-162	Guinea Pig Chlamydia psittaci Positive Control	1 ml
Guinea Pig CMV			
	595-160	Guinea Pig CMV Positive Control	1 ml
Hanta Virus			
		Mouse	
	595-401	Mouse Hanta Virus Positive Control	1 ml
		Rat	
	595-402	Rat Hanta Virus Positive Control	1 ml
Helicobacter hepaticus			
		Mouse	
	595-628	Mouse Helicobacter hepaticus Positive Control	1 ml
		Rat	
	595-629	Rat Helicobacter hepaticus Positive Control	1 ml
K Virus (Pneumonitis)			
		Mouse	
	595-403	Mouse K Virus Positive Control	1 ml
Kilham Rat Virus (KRV)			
	595-452	Kilham Rat Virus / H1 (KRV-H1) Positive Control	1 ml
	595-405	Kilham Rat Virus Positive Control	1 ml
LDHV			
	595-055	Mouse LDHV Positive Control	1 ml
Lymphocytic Choriomeningitis Virus (LCMV)			
		Guinea Pig	
	595-630	Guinea Pig LCMV Positive Control	1 ml
		Hamster	
	595-633	Hamster LCMV positive Control	1 ml
		Mouse	
	595-428	Mouse LCMV Positive Control	1 ml
		Rat	
	595-511	Rat LCMV Positive Control	1 ml
Minute Virus			
		Mouse	
	595-421	Minute Virus of Mice (MVM) Positive Control	1 ml
		Rat	
	595-635	Rat Minute Virus (RMV) Positive Control	
Mouse Bordetella hinzii			
	595-470	Mouse Bordetella hinzii Positive Control	1 ml
Mouse Cytomegalovirus (MCMV)			
	595-514	Mouse Cytomegalovirus (MCMV) Positive Control	1 ml
Mouse Hepatitis Virus (MHV)			
	595-422	Mouse Hepatitis Virus (MHV) Positive Control	1 ml
Mouse Norovirus (MNV)			
	595-632	Mouse Norovirus (MNV) Positive Control	1ml
Mouse P. Murina			
	595-131	Mouse P. Murina Positive Control	1ml
Mycoplasma arthritis			
		Mouse	
	595-704	Mouse Mycoplasma arthritis Positive Control	1 ml
		Rat	
	595-706	Rat Mycoplasma arthritis Positive Control	1 ml
Mycoplasma pulmonis			
		Mouse	

Infectious agent	Reference	Product description	Pack size
Parainfluenza Virus			
		Guinea Pig	
	595-312	Guinea Pig Parainfluenza Virus 3 (PI3) Positive Control	1 ml
		Rat	
	595-311	Rat Parainfluenza Virus 3 (PI3) Positive Control	1 ml
Parvovirus			
		Mouse	
	595-340	Mouse Parvovirus Native Antigen Positive Control	1 ml
	595-534	Mouse Parvovirus (MPV1 & MPV2), VP2 Positive Control	1 ml
		Rat	
	595-326	Rat Parvovirus (RPV), Native Antigen Positive Control	1 ml
	595-490	Rat Parvovirus (RPV), NS1 Positive Control	1 ml
Pasteurella			
		Mouse	
	595-302	Mouse <i>Pasteurella haemolytica</i> Positive Control	1 ml
	595-303	Mouse <i>Pasteurella multocida</i> Positive Control	1 ml
	595-301	Mouse <i>Pasteurella pneumotropica</i> Positive Control	1 ml
		Rat	
	595-305	Rat <i>Pasteurella haemolytica</i> Positive Control	1 ml
	595-306	Rat <i>Pasteurella multocida</i> Positive Control	
	595-304	Rat <i>Pasteurella pneumotropica</i> Positive Control	1 ml
<i>Pneumocystis carinii</i>			
		Swine	
	595-099	Swine <i>Pneumocystis carinii</i> Positive Control	1 ml
		Rat	
	595-151	Rat <i>Pneumocystis carinii</i> Positive Control	1 ml
Pneumonia Virus (PVM)			
		Guinea Pig	
	595-612	Guinea Pig Pneumonia Virus Positive Control	1 ml
		Hamster	
	595-611	Hamster Pneumonia Virus Positive Control	1 ml
		Mouse	
	595-423	Mouse Pneumonia Virus Positive Control	1 ml
		Rabbit	
	595-617	Rabbit Pneumonia Virus Positive Control	1 ml
		Rat	
	595-448	Rat Pneumonia Virus Positive Control	1 ml
Polyoma Virus			
		Mouse	
	595-429	Mouse Polyoma Virus Positive Control	1 ml
Rabbit Pox			
	595-166	Rabbit Pox Positive Control	1 ml
Rabbit RHDV			
	595-164	Rabbit RHDV Positive Control	1 ml
Rabbit Rotavirus			
	595-152	Rabbit Rotavirus Positive Control	1 ml
Rabbit Rotavirus			
	595-152	Rabbit Rotavirus Positive Control	1 ml
Rabbit Toxoplasma			
	595-168	Rabbit Toxoplasma Positive Control	1 ml

Infectious agent	Reference	Product description	Pack size
Reovirus (REO)			
		Guinea Pig	
	595-627	Guinea Pig Reovirus type 3 Positive Control	1 ml
		Hamster	
	595-613	Hamster Reovirus type 3 Positive Control	1 ml
		Mouse	
	595-424	Mouse Reovirus type 3 Positive Control	1 ml
	595-531	Mouse Reovirus type 1 Positive Control	1 ml
		Rat	
	595-509	Rat Reovirus type 3 Positive Control	1 ml
	595-532	Rat Reovirus type 1 Positive Control	1 ml
Sendai Virus			
		Guinea Pig	
	595-615	Guinea Pig Sendai Virus Positive Control	1 ml
		Hamster	
	595-614	Hamster Sendai Virus Positive Control	1 ml
		Mouse	
	595-425	Mouse Sendai Virus Positive Control	1 ml
		Rabbit	
	595-618	Rabbit Sendai Virus Positive Control	1 ml
		Rat	
	595-450	Rat Sendai Virus Positive Control	1 ml
Simian Virus (SV5)			
		Guinea Pig	
	595-606	Guinea Pig SV5 Positive Control	1 ml
		Rabbit	
	595-406	Rabbit SV5 Positive Control	1 ml
		Hamster	
	595-605	Hamster SV5 Positive Control	1 ml
Streptobacillus moniliformis			
		Mouse	
	595-061	Mouse Streptobacillus moniliformis Positive Control	1 ml
		Rat	
	595-062	Rat Streptobacillus moniliformis Positive Control	1 ml
Theiler's Murine Encephalomyelitis Virus (TMEV)			
		Mouse	
	595-420	Mouse TMEV Positive Control	1 ml
		Rat	
	595-507	Rat TMEV Positive Control	1 ml
Toolan's H-1 Virus			
		Rat	
	595-404	Rat Toolan's H-1 Virus Positive Control	1 ml

Rodent and Rabbit
PCR Positive Controls
PCR Kits



PCR Positive Controls and Kits

Infectious agent	Reference	Product description	Pack size
Adenovirus	PCRPC128	Adenovirus FL PCR Positive Control	250ul, about 250 reactions
	PCRPC120	Adenovirus FL/K87 PCR Positive Control	250ul, about 250 reactions
	PCRPC130	Adenovirus K87 PCR Positive Control	250ul, about 250 reactions
Cilia-Associated Respiratory Bacillus (CARB)	PCRPC118	Cilia-Associated Respiratory Bacillus (CARB) PCR Positive Control	250ul, about 250 reactions
<i>Clostridium piliformis</i> (Tyzzer's Disease)	PCRPC119	<i>Clostridium piliformis</i> (Tyzzer's Disease) PCR Positive Control	250ul, about 250 reactions
Encephalitozoon cuniculi (<i>E. cun</i>)	PCRPC121	<i>E. cun</i> PCR Positive Control	250ul, about 250 reactions
Ectromelia Virus	PCRPC109	Ectromelia Virus (Ectro) PCR Positive Control	250ul, about 250 reactions
Guinea Pig <i>Chlamydia psittaci</i>	PCRPC150	Guinea Pig <i>Chlamydia psittaci</i> PCR Positive Control	250ul, about 250 reactions
Guinea Pig CMV	PCRPC161	Guinea Pig CMV PCR Positive Control	250ul, about 250 reactions
<i>Helicobacter bilis</i>	PCRPC300	<i>Helicobacter bilis</i> PCR Positive Control	250ul, about 250 reactions
<i>Helicobacter hepaticus</i>	PCRPC135	<i>Helicobacter hepaticus</i> PCR Positive Control	250ul, about 250 reactions
<i>Helicobacter muridarum</i>	PCRPC600	<i>Helicobacter muridarum</i> PCR Positive Control	250ul, about 250 reactions
<i>Helicobacter typhlonius</i>	PCRPC500	<i>Helicobacter typhlonius</i> PCR Positive Control	250ul, about 250 reactions
Influenza virus	PCRPC123	Influenza New York Strain PCR Positive Control	250ul, about 250 reactions
K Virus	PCRPC132	K Virus PCR Positive Control	250ul, about 250 reactions
Kilham Rat Virus	PCRPC113	Kilham Rat Virus PCR Positive Control	250ul, about 250 reactions
Minute Virus	PCRPC104	Minute Virus of Mice (MVM) PCR Positive Control	250ul, about 250 reactions
Mouse Bordetella hinzii	PCRPC160	Mouse Bordetella hinzii PCR Positive Control	250ul, about 250 reactions
Mouse Cytomegalovirus (CMV)	PCRPC122	Mouse Cytomegalovirus (CMV) PCR Positive Control	250ul, about 250 reactions
Mouse Hepatitis Virus (MHV)	PCRPC105	Mouse Hepatitis Virus (MHV) PCR Positive Control	250ul, about 250 reactions
Mouse P. Murina	PCRPC131	Mouse P. Murina PCR Positive Control	250ul, about 250 reactions
MHV-A59	PCRPC101-IP	MHV-A59 PCR Positive Control	250ul, about 250 reactions
MHV-JHM	PCRPC102-IP	MHV-JHM PCR Positive Control	250ul, about 250 reactions
MHV-Parks	PCRPC103-IP	MHV-Parks PCR Positive Control	250ul, about 250 reactions
MHV-S	PCRPC104-IP	MHV-S PCR Positive Control	250ul, about 250 reactions
MHV-Friend	PCRPC105-IP	MHV-Friend PCR Positive Control	250ul, about 250 reactions
MHV-Control	PCRPC106-IP	MHV-Control PCR Positive Control	250ul, about 250 reactions
Parvovirus	PCRPC137	Mouse parvovirus PCR Positive Control	250ul, about 250 reactions
	PCRPC133	Rat Parvovirus PCR Positive Control	250ul, about 250 reactions
<i>Mycoplasma arthritidis</i>	PCRPC180	<i>Mycoplasma arthritidis</i> PCR Positive Control	250ul, about 250 reactions
<i>Mycoplasma pulmonis</i>	PCRPC110	<i>Mycoplasma pulmonis</i> PCR Positive Control	250ul, about 250 reactions
Parainfluenza Virus	PCRPC134	Parainfluenza Virus 3 (PI3) PCR Positive Control	250ul, about 250 reactions
<i>Pasteurella</i>	PCRPC144	<i>Pasteurella haemolytica</i> PCR Positive Control	250ul, about 250 reactions
	PCRPC145	<i>Pasteurella multocida</i> PCR Positive Control	250ul, about 250 reactions
	PCRPC143	<i>Pasteurella pneumotropica</i> PCR Positive Control	250ul, about 250 reactions
<i>Pneumocystis carinii</i>	PCRPC400	<i>Pneumocystis carinii</i> PCR Positive Control	250ul, about 250 reactions
Polyoma virus	PCRPC115	Polyoma virus (Poly) PCR Positive Control	250ul, about 250 reactions
Rabbit Toxoplasma	PCRPC164	Rabbit Toxoplasma PCR Positive Control	250ul, about 250 reactions
RCA/SDA Virus	PCRPC125	RCA/SDA Virus PCR Positive Control	250ul, about 250 reactions
Reovirus	PCRPC136	Reovirus Type 1 (REO-1) PCR Positive Control	250ul, about 250 reactions
SV-5	PCRPC124	SV-5 PCR Positive Control	250ul, about 250 reactions
Toolan's H-1	PCRPC114	Toolan's H-1 PCR Positive Control	250ul, about 250 reactions
PCR Kit			
	XB-PCR1000	<i>Helicobacter hepaticus</i> PCR Kit	250ul, about 250 reactions

Simian Health Monitoring Products

Simian ELISA Plates

Simian ELISA Controls

XpressBio's Simian ELISA Serology reagents test for 16 common Simian pathogens. Just as our Animal Health Monitoring ELISA reagents, these Simian ELISA reagents have one simple protocol and are available in multiplex and single agent plates.



Simian ELISA Plates

Infectious agent	Reference	Product description	Pack size
Simian SRV			
	SP830C	Simian SRV Plate	48 Antigen Wells and 48 Control Antigen Wells
<i>Simian SIV</i>			
	SP831C	Simian SIV Plate	48 Antigen Wells and 48 Control Antigen Wells
<i>Simian HTLV</i>			
	SP832C	Simian HTLV Plate	48 Antigen Wells and 48 Control Antigen Wells
Simian Tuberculosis			
	SP833C	Simian Tuberculosis Plate	48 Antigen Wells and 48 Control Antigen Wells
Simian Rabies			
	SP834C	Simian Rabies Plate	48 Antigen Wells and 48 Control Antigen Wells
Simian Malaria			
	SP835C	Simian Malaria Plate	48 Antigen Wells and 48 Control Antigen Wells
Simian B-Virus			
	SP836C	Simian B-Virus Plate	48 Antigen Wells and 48 Control Antigen Wells
Simian CMV			
	SP837C	Simian CMV Plate	48 Antigen Wells and 48 Control Antigen Wells
Simian Foamy Virus			
	SP838C	Simian Fomay Virus Plate	48 Antigen Wells and 48 Control Antigen Wells
Simian Rubella			
	SP839C	Simian Rubella Plate	48 Antigen Wells and 48 Control Antigen Wells
<i>Simian Varicella Zoster</i>			
	SP840C	Simian Varicella Zoster Plate	48 Antigen Wells and 48 Control Antigen Wells
<i>Simian Mumps</i>			
	SP841C	Simian Mumps Plate	48 Antigen Wells and 48 Control Antigen Wells
Simian Measles			
	SP842C	Simian Measles Plate	48 Antigen Wells and 48 Control Antigen Wells
Simian Herpes-1			
	SP843C	Simian Herpes-1 Plate	48 Antigen Wells and 48 Control Antigen Wells
Simian Herpes-2			
	SP844C	Simian Herpes-2 Plate	48 Antigen Wells and 48 Control Antigen Wells
Simian Chagas			
	SP846C	Simian Chagas Plate	48 Antigen Wells and 48 Control Antigen Wells
Simian Toxoplasma			
	SP847C	Simian Toxoplasma Plate	48 Antigen Wells and 48 Control Antigen Wells
Simian Dengue			
	SP848C	Simian Dengue Plate	48 Antigen Wells and 48 Control Antigen Wells
Simian Chikungunya			
	SP849C	Simian Chikungunya Plate	48 Antigen Wells and 48 Control Antigen Wells
Simian Hepatitis A			
	SP851C	Simian Hepatitis A Plate	48 Antigen Wells and 48 Control Antigen Wells
Simian Hepatitis B			
	SP852C	Simian Hepatitis B Plate	48 Antigen Wells and 48 Control Antigen Wells
Simian Filovirus			
	SP853C	Simian Filovirus Plate	48 Antigen Wells and 48 Control Antigen Wells
Simian Leptospira			
	SP854C	Simian Leptospira Plate	48 Antigen Wells and 48 Control Antigen Wells
Simian SV40			
	SP855C	Simian SV40 Plate	48 Antigen Wells and 48 Control Antigen Wells

Simian ELISA Controls

Infectious agent	Reference	Product description	Pack size
Simian SRV			
	SPC830	Simian SRV Positive Control	0.5ml
	SNC830	Simian SRV Negative Control	0.5ml
Simian SIV			
	SPC831	Simian SIV Positive Control	0.5ml
	SNC831	Simian SIV Negative Control	0.5ml
Simian HTLV			
	SPC832	Simian HTLV Positive Control	0.5ml
	SNC832	Simian HTLV Negative Control	0.5ml
Simian Tuberculosis			
	SPC833	Simian Tuberculosis Positive Control	0.5ml
	SNC833	Simian Tuberculosis Negative Control	0.5ml
Simian Rabies			
	SPC834	Simian Rabies Positive Control	0.5ml
	SNC834	Simian Rabies Negative Control	0.5ml
Simian Malaria			
	SPC835	Simian Malaria Positive Control	0.5ml
	SNC835	Simian Malaria Negative Control	0.5ml
Simian B-Virus			
	SPC836	Simian B-Virus Positive Control	0.5ml
	SNC836	Simian B-Virus Negative Control	0.5ml
Simian CMV			
	SPC837	Simian CMV Positive Control	0.5ml
	SNC837	Simian CMV Negative Control	0.5ml
Simian Foamy Virus			
	SPC838	Simian Foamy Virus Positive Control	0.5ml
	SNC838	Simian Foamy Virus Negative Control	0.5ml
Simian Rubella			
	SPC839	Simian Rubella Positive Control	0.5ml
	SNC839	Simian Rubella Negative Control	0.5ml
Simian Varicella Zoster			
	SPC840	Simian Varicella Zoster Positive Control	0.5ml
	SNC840	Simian Varicella Zoster Negative Control	0.5ml
Simian Mumps			
	SPC841	Simian Mumps Positive Control	0.5ml
	SNC841	Simian Mumps Negative Control	0.5ml
Simian Measles			
	SPC842	Simian Measles Positive Control	0.5ml
	SNC842	Simian Measles Negative Control	0.5ml
Simian Herpes-1			
	SPC843	Simian Herpes-1 Positive Control	0.5ml
	SNC843	Simian Herpes-1 Negative Control	0.5ml
Simian Herpes-2			
	SPC844	Simian Herpes-2 Positive Control	0.5ml
	SNC844	Simian Herpes-2 Negative Control	0.5ml
Simian Chagas			
	SPC846	Simian Chagas Positive Control	0.5ml
	SNC846	Simian Chagas Negative Control	0.5ml

Infectious agent	Reference	Product description	Pack size
Simian Toxoplasma			
	SPC847	Simian Toxoplasma Positive Control	0.5ml
	SNC847	Simian Toxoplasma Negative Control	0.5ml
Simian Dengue			
	SPC848	Simian <i>Dengue</i> Positive Control	0.5ml
	SNC848	Simian <i>Dengue</i> Negative Control	0.5ml
Simian Chikungunya			
	SPC849	Simian Chikungunya Positive Control	0.5ml
	SNC849	Simian Chikungunya Negative Control	0.5ml
Simian Hepatitis A			
	SPC851	Simian Hepatitis A Positive Control	0.5ml
	SNC851	Simian Hepatitis A Negative Control	0.5ml
Simian Hepatitis B			
	SPC852	Simian Hepatitis B Positive Control	0.5ml
	SNC852	Simian Hepatitis B Negative Control	0.5ml
Simian Filovirus			
	SPC853	Simian Filovirus Positive Control	0.5ml
	SNC853	Simian Filovirus Negative Control	0.5ml
Simian Leptospira			
	SPC854	Simian Leptospira Positive Control	0.5ml
	SNC854	Simian Leptospira Negative Control	0.5ml
Simian SV40			
	SPC855	Simian SV40 Positive Control	0.5ml
	SNC855	Simian SV40 Negative Control	0.5ml

Canine and Feline Health Monitoring Products

Canine and Feline ELISA Plates

Canine and Feline ELISA Controls

Canine and Feline ELISA Plates

Infectious agent	Reference	Product description	Pack size
Canine Herpes Virus			
	595-840C	Canine Herpes Virus ELISA Microplate	48 Antigen Wells and 48 Control Antigen Wells
Feline Leukemia Virus			
	595-850C	Feline Leukemia Virus ELISA Microplate	48 Antigen Wells and 48 Control Antigen Wells
<i>Feline Immunodeficiency Virus</i>			
	595-860C	<i>Feline Immunodeficiency Virus ELISA</i> Microplate	48 Antigen Wells and 48 Control Antigen Wells
<i>Feline Chlamydia Psittaci</i>			
	595-163C	<i>Chlamydia Psittaci ELISA</i> Microplate	48 Antigen Wells and 48 Control Antigen Wells
Canine Toxoplasma			
	595-169C	Toxoplasma ELISA Microplate	48 Antigen Wells and 48 Control Antigen Wells
Feline Toxoplasma			
	595-169C	Toxoplasma ELISA Microplate	48 Antigen Wells and 48 Control Antigen Wells
Canine Distemper (CDV)			
	595-900C	Canine Distemper (CDV) ELISA Microplate	48 Antigen Wells and 48 Control Antigen Wells
Canine Coronavirus (CCV)			
	595-910C	Canine Coronavirus (CCV) ELISA Microplate	48 Antigen Wells and 48 Control Antigen Wells
Canine Parainfluenza (CPI)			
	595-920C	Canine Parainfluenza (CPI) ELISA Microplate	48 Antigen Wells and 48 Control Antigen Wells
Canine Parvovirus (CPV)			
	595-930C	Canine Parvovirus (CPV) ELISA Microplate	48 Antigen Wells and 48 Control Antigen Wells
CAV 1&2 (Canine Hepatitis)			
	595-940C	CAV 1&2 (Canine Hepatitis) ELISA Microplate	48 Antigen Wells and 48 Control Antigen Wells
<i>Feline Coronavirus (FIP)</i>			
	595-950C	<i>Feline Coronavirus (FIP) ELISA</i> Microplate	48 Antigen Wells and 48 Control Antigen Wells
<i>Feline Calicivirus (FCV)</i>			
	595-960C	<i>Feline Calicivirus (FCV) ELISA</i> Microplate	48 Antigen Wells and 48 Control Antigen Wells
Feline Panleucopenia (FPLV)			
	595-970C	Feline Panleucopenia (PRLV) ELISA Microplate	48 Antigen Wells and 48 Control Antigen Wells
Feline Viral Rhinotracheitis (FVR)			
	595-980C	Feline Viral Rhinotracheitis (FVR) ELISA Microplate	48 Antigen Wells and 48 Control Antigen Wells

Canine and Feline ELISA Controls

Infectious agent	Reference	Product description	Pack size
Canine Herpes Virus			
	595-841	Canine Herpes Virus Positive Control	0.5ml
Feline Leukemia Virus			
	595-851	Feline Leukemia Virus Positive Control	0.5ml
<i>Feline Immunodeficiency Virus</i>			
	595-861	<i>Feline Immunodeficiency Virus</i> Positive Control	0.5ml
<i>Feline Chlamydia Psittaci</i>			
	595-871	<i>Feline Chlamydia Psittaci</i> Positive Control	0.5ml
Canine Toxoplasma			
	595-881	Canine Toxoplasma Positive Control	0.5ml
Feline Toxoplasma			
	595-891	Feline Toxoplasma Positive Control	0.5ml
Canine Distemper (CDV)			
	595-901	Canine Distemper (CDV) Positive Control	0.5ml
Canine Coronavirus (CCV)			
	595-911	Canine Coronavirus (CCV) Positive Control	0.5ml
Canine Parainfluenza (CPI)			
	595-921	Canine Parainfluenza (CPI) Positive Control	0.5ml
Canine Parvovirus (CPV)			
	595-931	Canine Parvovirus (CPV) Positive Control	0.5ml
CAV 1&2 (Canine Hepatitis)			
	595-941	CAV 1&2 (Canine Hepatitis) Positive Control	0.5ml
<i>Feline Coronavirus (FIP)</i>			
	595-951	<i>Feline Coronavirus (FIP)</i> Positive Control	0.5ml
<i>Feline Calicivirus (FCV)</i>			
	595-961	<i>Feline Calicivirus (FCV)</i> Positive Control	0.5ml
Feline Panleucopenia (FPLV)			
	595-971	Feline Panleucopenia (FPLV) Positive Control	0.5ml
Feline Viral Rhinotracheitis (FVR)			
	595-981	Feline Viral Rhinotracheitis (FVR) Positive Control	0.5ml

Other Kit Contents

Product types	Reference	Product description	Pack size
Buffers & diluents			
	595-413	Sample Diluent for Animal ELISA kits	30 ml
	595-416	Stop Solution	5 ml
	595-417	Stop Solution	10 ml
	827102	Wash Buffer (20X)	60ml
Negative controls			
		Guinea Pig	
	595-610	Guinea Pig Negative Control	1 ml
		Hamster	
	595-609	Hamster Negative Control	1 ml
		Rabbit	
	595-624	Rabbit Negative Control	1 ml
		Rat	
	595-444	Rat Negative Control	1 ml
		Mouse	
	595-418	Mouse Negative Control	1 ml
		Swine	
	595-090	Swine Negative Control	1 ml
Peroxidase conjugates			
		Guinea Pig	
	595-608	Anti-Guinea Pig Igs Peroxidase conjugate	12 ml
		Hamster	
	595-607	Anti-Hamster Igs Peroxidase conjugate	12 ml
		Mouse	
	595-414	Anti-Mouse Igs Peroxidase conjugate	12 ml
		Rabbit	
	595-625	Anti-Rabbit Igs Peroxidase conjugate	12 ml
		Rat	
	595-442	Anti-Rat Igs Peroxidase conjugate	12 ml
		Simian	
	595-626	Anti-Simian Igs Peroxidase Conjugate	12 ml
		Swine	
	595-049	Anti-Swine Igs Peroxidase Conjugate	12 ml
Peroxidase substrate			
	595-419 A	ABTS Peroxidase Substrate	12 ml
	595-419 B	ABTS Peroxidase Substrate	250 ml
	595-419 C	ABTS Peroxidase Substrate	500 ml
	595-419 D	ABTS Peroxidase Substrate	1000 ml
	595-419 E	ABTS Peroxidase Substrate	4000 ml

Antigen Specifics

XpressBio's antigens are for rodents and simians. They are available in vials of 250ul and 1 ml (about 250 and 1,000 in each ELISA). All antigens are provided with tissue control antigens for equivalent number of reactions, free of charge. The antigens are shipped on dry ice and stored at -70 degrees celsius.

	SPECIFICS
Adenovirus (FL)	Adenovirus strain Florida: The antigen is a purified inactivated whole virus propagated in NIH 3T3 cells. Will cross react with other Adenovirus.
Adenovirus (K87)	The antigen is a purified inactivated whole virus propagated in NBM cells. Will cross react with other Adenovirus .
Cilia-Associated Respiratory Bacillus (CARB)	Bacillus strain Animal isolate: The antigen is a purified inactivated whole organism propagated in NBM cells.
Clostridium piliforme (Tyzzer's)	Clostridium strain Animal isolate: The antigen is a purified inactivated whole organism propagated in BS-C-1 cells.
Ectromelia Virus	Poxvirus strain Moscow: The antigen is a purified inactivated whole virus propagated in BSC1 cells. Will cross react with other poxvirus.
Encephalitozoon cuniculi (E. Cun)	Sporozoan strain Levaditi: The antigen is a purified inactivated whole organism propagated in BS-C-1 cells.
Epizootic Diarrhea of Infant Mice (EDIM)	Rotavirus strain EW: The antigen is a purified inactivated whole virus propagated in MA-104 Cells. Will cross react with other Group A rotavirus.
Guinea Pig CMV	CMV strain 22122: The antigen is a purified inactivated whole virus propagated in Guinea Pig liver cells.
Guinea Pig Chlamydia	Chlamydia psittaci strain Borg: The antigen is a purified inactivated elementary bodies propagated in Guinea Pig liver cells.
Pneumocystis carinii (P. carinii)	Strain M167-6: The antigen is a purified inactivated whole organism propagated in L-Broth.
Hantaan Virus (HAN)	The antigen is a recombinant HAN nucleoprotein. Will cross react with other Hantavirus.
Helicobacter hepaticus	Strain 3131/Hh-1: The antigen is a purified inactivated whole organism propagated in L-Broth
Kilham Rat Virus (KRV)	Parvovirus strain Kilham: The antigen is a purified inactivated whole virus propagated in NBHa cells. Will cross react with other Parvovirus.
LDHV	Lactate dehydrogenase elevating virus: The antigen is a recombinant nucleocapsid protein (VP1).
Lymphocytic Choriomeningitis Virus (LCM)	Arenavirus strain Armstrong: The antigen is a purified inactivated whole virus propagated in L cells.
Minute Virus of Mice (MVM)	Parvovirus strain Crawford: The antigen is a purified inactivated whole organism propagated in L cells. Will cross react with other Parvovirus.
Bordetella hinzii	The antigen is a purified inactivated whole organism propagated in Tryptic Soy Broth.
Mouse Cytomegalovirus (MCMV)	Cytomegalovirus strain Smith: The antigen is a purified inactivated whole virus propagated in SC-1 cells. Will cross react with other Cytomegalovirus.
Mouse Hepatitis Virus (MHV)	Coronavirus strain JHM-Thermostable: The antigen is a purified inactivated whole virus propagated in 17CL-1 Cells. It will cross with other MHV strains and other Coronavirus.
Mouse Norovirus (MNV)	The antigen is a recombinant capsid protein VP1. Will cross react with other norovirus.
Mycoplasma Arthritis	Mycoplasma strain H606 : The antigen is a purified inactivated whole organism propagated in Myco broth. Will cross react with other Mycoplasmas.
Mycoplasma Pulmonis (MYCO)	Mycoplasma strain 14627: The antigen is a purified inactivated whole organism propagated in Myco broth. Will cross react with other Mycoplasmas.
Parainfluenza Virus 3	Paramyxovirus strain TS-9: The antigen is a purified inactivated whole virus propagated in BHK-21 cells.
Mouse Bordetella Hinzii	The antigen is a purified inactivated whole organism propagated in Tryptic Soy Broth.
Mouse Nurina	

	SPECIFICS
Mouse Parvovirus Native (MPV)	Parvovirus strain MPV-1a: The antigen is a purified inactivated whole virus propagated in NB-324K cells. Will cross react with other Parvovirus
Mouse Parvovirus (MPV 1 & MPV2)	The antigen is recombinant VP2. Will cross react with other mouse parvovirus.
Rat Parvovirus Native (RPV)	Parvovirus strain RPV-1a : The antigen is a purified inactivated whole virus propagated in NB-324K cells. Will cross react with other Parvovirus.
Pasteurella haemolytica	The antigen is a purified inactivated whole organism propagated in Brain Heart Infusion broth. Will cross react with other Pasteurella species.
Pasteurella pneumotropica	The antigen is a purified inactivated whole organism propagated in Brain Heart Infusion broth. Will cross react with other Pasteurella species.
Pneumonia Virus of Mice (PVM)	Pneumovirus strain No.15: The antigen is a purified inactivated whole virus propagated in BHK-21 Cells.
Pneumocystis Carinii	Murina Strain PRA-111: The antigen is purified inactivated whole organism propagated in L-Broth.
Polyoma Papovirus (Poly)	Strain LID-1: The antigen is a purified inactivated whole virus propagated in NBM cells.
Rabbit Pox	Ectromelia (Ectro) is used as surrogate for Rabbit Pox
Rabbit Rotavirus	Group A: Epizootic Diarrhea of Infant Mice (EDIM) is used as surrogate for Rabbit rotavirus
Rabbit Toxoplasma	Toxoplasma gondii strain RH: The antigen is a purified inactivated whole organism propagated in mouse ascites.
Rat Coronavirus/Sialodacryoadenitis Virus (RCV/SDA)	Coronavirus: Mouse Hepatitis Virus is used as a surrogate for RCV/SDA.
Rat Parvovirus Native (RPV)	Parvovirus strain RPV-1a : The antigen is a purified inactivated whole virus propagated in NB-324K cells. Will cross react with other Parvovirus.
Rat Minute Virus (RMV)	Parvovirus: The antigen is a recombinant capsid protein VP2.
Reo Virus Type 3 (REO-3)	Reovirus strain Abney: The antigen is a purified inactivated whole virus propagated in LLC cells. Will cross react with other Reovirus.
Sendai Virus	Paramyxovirus strain Sendai/52: The antigen is a purified inactivated whole virus propagated in alantonic fluid.
Simian Virus 5 (SV5)	Paramyxovirus strain 21005-2WR: The antigen is a purified inactivated whole virus propagated in Rhesus Monkey Kidney cells.
Theiler's Murine Encephalomyelitis Virus (TMEV)	Poliovirus strain BeAn 8386: The antigen is a purified inactivated whole virus propagated in BHK-21 Cells. It will cross react with EMCV.
Toolan's Virus (H1)	Parvovirus strain Toolan: The antigen is a purified inactivated whole virus propagated in NBHa cells. Will cross react with other Parvovirus.

Antigens

Infectious agent	Reference	Product description	Pack size
Adenovirus	AG120FL	Adenovirus FL Antigen	5 Half ELISA Plates Equivalent
	AG120	Adenovirus FL/K87 Antigen	5 Half ELISA Plates Equivalent
	AG120K87	Adenovirus K87 Antigen	5 Half ELISA Plates Equivalent
Cilia-Associated Respiratory Bacillus (CARB)	AG118	Cilia-Associated Respiratory Bacillus (CARB) Antigen	5 Half ELISA Plates Equivalent
<i>Clostridium piliformis</i> (Tyzzer's)	AG119	<i>Clostridium piliformis</i> (Tyzzer's Disease) Antigen	5 Half ELISA Plates Equivalent
Ectromelia Virus	AG109	Ectromelia Virus (Ectro) Antigen	5 Half ELISA Plates Equivalent
<i>Encephalitozoon cuniculi</i> (E. cun)	AG121	<i>Encephalitozoon cuniculi</i> Antigen	5 Half ELISA Plates Equivalent
Epizootic Diarrhea of Infant Mice (EDIM)	AG112	Epizootic Diarrhea of Infant Mice (EDIM) Antigen	5 Half ELISA Plates Equivalent
Guinea Pig Chlamydia psittaci	AG150	Guinea Pig Chlamydia psittaci Antigen	5 Half ELISA Plates Equivalent
Guinea Pig CMV	AG161	Guinea Pig CMV Antigen	5 Half ELISA Plates Equivalent
Hanta Virus	AG132	Hanta Virus Antigen	5 Half ELISA Plates Equivalent
<i>Helicobacter hepaticus</i>	AG133	<i>Helicobacter hepaticus</i> Antigen	5 Half ELISA Plates Equivalent
<i>Helicobacter pylori</i>	AG145	<i>Helicobacter pylori</i> Antigen	5 Half ELISA Plates Equivalent
Influenza Virus	AG100	Influenza A Caledonia Antigen	5 Half ELISA Plates Equivalent
	AG101	Influenza A Wellington Antigen	5 Half ELISA Plates Equivalent
	AG102	Influenza B Jiangsu Antigen	5 Half ELISA Plates Equivalent
	AG123	Influenza New York Strain Antigen	5 Half ELISA Plates Equivalent
K Virus	AG125	K Virus Antigen	5 Half ELISA Plates Equivalent
Kilham Rat Virus	AG113	Kilham Rat Virus Antigen	5 Half ELISA Plates Equivalent
Lymphocytic Choriomeningitis (LCM) Virus	AG111	Lymphocytic Choriomeningitis (LCM) Virus Antigen	5 Half ELISA Plates Equivalent
Measles (Rubeola)	AG171	Measles (Rubeola)	5 Half ELISA Plates Equivalent
Minute Virus	AG104	Minute Virus of Mice (MVM) Antigen	5 Half ELISA Plates Equivalent
	AG142	Rat Minute Virus Antigen	5 Half ELISA Plates Equivalent
Mouse Bordetella hinzii	AG160	Mouse Bordetella hinzii Antigen	5 Half ELISA Plates Equivalent
Mouse Cytomegalovirus (MCMV)	AG122	Mouse Cytomegalovirus (MCMV) Antigen	5 Half ELISA Plates Equivalent
Mouse P. Murina	AG130	Mouse P. Murina Antigen	5 Half ELISA Plates Equivalent
Mouse Hepatitis Virus (MHV)	AG105	Mouse Hepatitis Virus (MHV) Antigen	5 Half ELISA Plates Equivalent
	AG-C101-IP	MHVA59 Antigen	5 Half ELISA Plates Equivalent
	AG-C102-IP	MHVJHM Antigen	5 Half ELISA Plates Equivalent
	AG-C103-IP	MHVParks Antigen	5 Half ELISA Plates Equivalent
	AG-C104-IP	MHVS Antigen	5 Half ELISA Plates Equivalent
	AG-C105-IP	MHV Friend Antigen	5 Half ELISA Plates Equivalent
	AG-C106-IP	MHV Negative Control Antigen	5 Half ELISA Plates Equivalent
Mycoplasma arthritidis	AG180	Mycoplasma arthritidis Native Antigen	5 Half ELISA Plates Equivalent
<i>Mycoplasma pulmonis</i>	AG110	<i>Mycoplasma pulmonis</i> Native Antigen	5 Half ELISA Plates Equivalent
Mouse Norovirus (MNV)	AG170	Mouse Norovirus (MNV) Native Antigen	5 Half ELISA Plates Equivalent
Parainfluenza Virus 3 (PI3)	AG138	Parainfluenza Virus 3 (PI3) Antigen	5 Half ELISA Plates Equivalent
Parvovirus	AG141	Mouse Parvovirus Native Antigen	5 Half ELISA Plates Equivalent
	AG140	Mouse Parvovirus (MPV1 & MPV2), VP2 Antigen	5 Half ELISA Plates Equivalent
	AG126	Rat Parvovirus Native Antigen	5 Half ELISA Plates Equivalent
<i>Pasteurella</i>	AG136	<i>Pasteurella haemolytica</i> Antigen	5 Half ELISA Plates Equivalent
	AG137	<i>Pasteurella multocida</i> Antigen	5 Half ELISA Plates Equivalent
	AG135	<i>Pasteurella pneumotropica</i> Antigen	5 Half ELISA Plates Equivalent
Pneumonia Virus of Mice (PVM)	AG106	Pneumonia Virus of Mice (PVM) Antigen	5 Half ELISA Plates Equivalent
Polyoma Virus (Poly)	AG114	Polyoma Virus (Poly) Antigen	5 Half ELISA Plates Equivalent
<i>Rabbit Toxoplasma</i>	AG164	<i>Rabbit Toxoplasma</i> Antigen	5 Half ELISA Plates Equivalent
Rat Coronavirus/ Sialodacryoadenitis Virus (RCV/SDA)	AG190	Rat Coronavirus (RCV/SDA) Antigen	5 Half ELISA Plates Equivalent
Reovirus Type 1 (REO-1)	AG134	Reovirus Type 1 (REO-1) Antigen	5 Half ELISA Plates Equivalent
	AG107	Reovirus Type 3 (REO-3) Antigen	5 Half ELISA Plates Equivalent
Sendai Virus	AG108	Sendai Virus Antigen	5 Half ELISA Plates Equivalent
SV-5 Virus	AG124	SV-5 Antigen	5 Half ELISA Plates Equivalent
Theiler's Murine Encephalomyelitis Virus (TMEV, GD7)	AG103	Theiler's Murine Encephalomyelitis Virus (TMEV, GD7) Antigen	5 Half ELISA Plates Equivalent
Toolan's H-1	AG131	Toolan's H-1 Antigen	5 Half ELISA Plates Equivalent

Simian Reagents

With the success of our small lab animal ELISA reagents, XpressBio has developed 15 different primate ELISA reagents. These assays are exactly the same protocol as the small lab animal reagents and use the same buffers and substrate. All of the reagents are supplied at use dilution and the plates are stabilized for ease of use, shipping, and storage. XpressBio's assays can be used for detection of antibodies in serum or plasma.

	SPECIFICS
SRV (simianretrovirus type D)	The antigen is a purified inactivated whole virus with group specific antigens. Please note that the positive animals will normally have immunosuppression. Thus the positive reactions will be weak on the assay. Positive animals will also show weak responses to other antigens.
SIV (simian immuno-deficiency virus)	The antigen is a purified inactivated whole virus. It will cross react with HIV (human immunodeficiency virus).
STLV (simian T lymphotropic virus)	The antigen HTLV (human T lymphotropic virus) is used as a surrogate marker. The antigen is a mixture of recombinant antigens: HTLV-1 gp21, HTLV-1 gp46, HTLV-2 gp 21 and HTLV-2 gp46.
TB (Tuberculosis)	The antigen is a mixture of recombinant antigens: 16 kd, 38kd, and ESAT-6. Please note that serology is not the gold standard for diagnosis of TB. Other modalities along with serology should be used for suspected infected animals.
Rabies	The antigen is a recombinant 34 kd phosphoprotein.
Malaria	The antigen is a mixture of recombinant Plasmodium falciparum MSP1 protein and a recombinant Plasmodium vivax MSP1 protein. Please note that serology is not the gold standard for diagnosis of malaria. Other modalities along with serology should be used for suspected infected animals.
Herpes B Virus (Cercopithecin Herpes virus 1)	Due to the hazards associated with Herpes B Virus, the antigen HSV-1 (herpes simplex virus Type 1) is used as a surrogate marker. It is a purified inactivated whole virus. It will cross react with HSV-2 (herpes simplex virus Type 2) and other Herpes viruses.
CMV (Cytomegalovirus)	The antigen is a purified inactivated whole virus with group specific antigens. Most animals will have antibodies to this virus.
SFV (simian foamy virus)	The antigen is a purified inactivated whole virus with group specific antigens. Most animals will have antibodies to this virus.
Rubella	The antigen is a purified inactivated whole virus.
VZV (varicella zoster virus)	The antigen is a purified inactivated whole virus with group specific antigens. Many animals will have antibodies to this virus.
Mumps	The antigen is a purified inactivated whole virus.
Measles	The antigen is a purified inactivated whole virus.
Herpes-1	The antigen is a recombinant gG HSV-1 protein. It is type specific for HSV-1 and will not cross react with HSV-2.
Herpes-2	The antigen is a recombinant gG HSV-2 protein. It is type specific for HSV-2 and will not cross react with HSV-1.
Chagas (Trypanosoma cruzi)	The antigen is a mixture of purified inactivated whole organism. It is a mixture of three strains from different geographical areas (US, Brazil, Argentina). It will cross react with Leishmania.
Dengue	The antigen is a mixture of purified inactivated whole virus. It is a mixture of four strains (Type 1,2,3, and 4). It may cross react with other flaviviruses.
Toxoplasma	The antigen is a purified inactivated whole organism propagated in mouse ascites.
Filovirus	The antigen is a mixture of recombinant antigens: glycoprotein from Zaire Ebolavirus and Angola Marburgvirus.
SV40	The antigen is a purified inactivated whole virus. It will cross react with other polyoma viruses.
Chickungunya	The antigen is a mixture of recombinant antigens: capsid, E1, and E2. It will cross react with other Alphavirus.
Leptospira	The antigen is a recombinant antigen: LipL32, LipL41.
Hepatitis A	Due to the need for a sensitive assay, the assay protocol will be different for this assay. This HAV-IgG ELISA kit is based on solid phase, one-step incubation competitive principle ELISA method. If HAV IgG antibodies are present in the sample, they compete with monoclonal HAV-IgG antibodies labeled with horseradish peroxidase (HRP-Conjugate) for a fixed amount of purified native HAV antigens pre-coated in the wells.
Hepatitis B	Due to the need for a very sensitive and quantitative assay, the assay protocol will be different for this assay. For detection of anti-HBs, this kit uses antigen "sandwich" ELISA method where polystyrene microwell strips are pre-coated with recombinant HBsAg. Serum or plasma sample is added to the microwells together with a second HBsAg conjugated to Horseradish Peroxidase (HRP-Conjugate). In case of presence of anti-HBs in the sample, the pre-coated and conjugated antigens will be bound to the two variable domains of the antibody and during incubation, the specific immunocomplex formed is captured on the solid phase.

Antigens

Infectious agent	Reference	Product description	Pack size
Simian SRV	SA830C	Simian SRV Antigen	5 Half ELISA Plates Equivalent
<i>Simian SIV</i>	SA831C	Simian SIV Antigen	5 Half ELISA Plates Equivalent
<i>Simian HTLV</i>	SA832C	Simian HTLV Antigen	5 Half ELISA Plates Equivalent
Simian Tuberculosis	SA833C	Simian Tuberculosis Antigen	5 Half ELISA Plates Equivalent
Simian Rabies	SA834C	Simian Rabies Antigen	5 Half ELISA Plates Equivalent
Simian Malaria	SA835C	Simian Malaria Antigen	5 Half ELISA Plates Equivalent
Simian B-Virus	SA836C	Simian B-Virus Antigen	5 Half ELISA Plates Equivalent
Simian CMV	SA837C	Simian CMV Antigen	5 Half ELISA Plates Equivalent
Simian Foamy Virus	SA838C	Simian Fomay Virus Antigen	5 Half ELISA Plates Equivalent
Simian Rubella	SA839C	Simian Rubella Antigen	5 Half ELISA Plates Equivalent
<i>Simian Varicella Zoster</i>	SA840C	Simian Varicella Zoster Antigen	5 Half ELISA Plates Equivalent
<i>Simian Mumps</i>	SA841C	Simian Mumps Antigen	5 Half ELISA Plates Equivalent
Simian Measles	SA842C	Simian Measles Antigen	5 Half ELISA Plates Equivalent
Simian Herpes-1	SA843C	Simian Herpes-1 Antigen	5 Half ELISA Plates Equivalent
Simian Herpes-2	SA844C	Simian Herpes-2 Antigen	5 Half ELISA Plates Equivalent
Simian Chagas	SA846C	Simian Chagas Antigen	5 Half ELISA Plates Equivalent
Simian Toxoplasma	SA847C	Simian Toxoplasma Antigen	5 Half ELISA Plates Equivalent
Simian Dengue	SA848C	Simian Dengue Antigen	5 Half ELISA Plates Equivalent
Simian Chikungunya	SA849C	Simian Chikungunya Antigen	5 Half ELISA Plates Equivalent
Simian Hepatitis A	SA851C	Simian Hepatitis A Antigen	5 Half ELISA Plates Equivalent
Simian Hepatitis B	SA852C	Simian Hepatitis B Antigen	5 Half ELISA Plates Equivalent
Simian Filovirus	SA853C	Simian Filovirus Antigen	5 Half ELISA Plates Equivalent
Simian Leptospira	SA854C	Simian Leptospira Antigen	5 Half ELISA Plates Equivalent
Simian SV40	SA855C	Simian SV40 Antigen	5 Half ELISA Plates Equivalent

Canine and Feline Reagents

With the success of our small lab animal ELISA reagents, XpressBio has developed 7 different canine and feline ELISA reagents. These assays are exactly the same protocol as the small lab animal reagents and use the same buffers and substrate. All of the reagents are supplied at use dilution and the plates are stabilized for ease of use, shipping, and storage. XpressBio's assays can be used for detection of antibodies in serum or plasma.

	SPECIFICS
Feline Coronavirus (FIP)	Coronavirus strain WSU 79-1146: The antigen is a purified inactivated whole virus propagated in CRFK Cells. It will cross react with other Coronavirus. This virus is associated with Feline Infectious Peritonitis (FIP). Antibody to FCoV is not conclusive for diagnosis of FIP
Feline Calicivirus (FCV)	Calicivirus strain Bolin: The antigen is a purified inactivated whole virus propagated in FC 3TG Cells.
Feline Chlamydia	Chlamydia psittaci strain Borg: The antigen is a purified inactivated elementary bodies propagated in Vero Cells.
Feline Panleukopenia Parvovirus (FPLV)	Cornell strain: The antigen is a purified inactivated whole virus propagated in CRFK cells.
Feline Rhinotracheitis (FVR)	Herpesvirus strain C-27: The antigen is a purified inactivated whole virus propagated in CRFK Cells.
Feline Toxoplasma (Toxo)	Toxoplasma gondii strain RH : Toxoplasma gondii strain RH The antigen is a purified inactivated whole organism propagated in mouse ascites.
Canine Distemper (CDV)	Paramyxovirus strain Lederle: The antigen is a purified inactivated whole virus propagated in SL-29 Cells.
Canine Hepatitis (CAV 1 and 2)	Adenovirus strain 1 and 2: The antigens are purified inactivated whole virus propagated in A-72 Cells.
Canine Parainfluenza (CPI)	Parainfluenza strain D008: The antigens are purified inactivated whole virus propagated in MDCK Cells.
Canine Coronavirus (CCV)	Coronavirus strain 1-71. The antigen is a purified inactivated whole virus propagated in A-72 Cells.
Canine Herpesvirus (CHV)	Herpesvirus strain D004: The antigen is a purified inactivated whole virus propagated in MDCK Cells.
Canine Parvovirus (CPV)	Parvovirus strain Cornell-780916-115. The antigen is a purified inactivated whole virus propagated in MDCK cells.
Canine Toxoplasma (Toxo)	Toxoplasma gondii strain RH : Toxoplasma gondii strain RH The antigen is a purified inactivated whole organism propagated in mouse ascites.

Antigens

Infectious agent	Reference	Product description	Pack size
Canine Herpes Virus	AG840	Canine Herpes Virus Antigen	5 Half ELISA Plates Equivalent
Feline Leukemia Virus	AG850	Feline Leukemia Virus Antigen	5 Half ELISA Plates Equivalent
<i>Feline Immunodeficiency Virus</i>	AG860	<i>Feline Immunodeficiency Virus</i> Antigen	5 Half ELISA Plates Equivalent
<i>Feline Chlamydia Psittaci</i>	AG870	<i>Feline Chlamydia Psittaci</i> Antigen	5 Half ELISA Plates Equivalent
Canine Toxoplasma	AG880	Canine Toxoplasma Antigen	5 Half ELISA Plates Equivalent
Feline Toxoplasma	AG890	Feline Toxoplasma Antigen	5 Half ELISA Plates Equivalent
Canine Distemper (CDV)	AG900	SCanine Distemper (CDV) Antigen	5 Half ELISA Plates Equivalent
Canine Coronavirus (CCV)	AG910	Canine Coronavirus (CCV) Antigen	5 Half ELISA Plates Equivalent
Canine Parainfluenze (CPI)	AG920	Canine Parainfluenze (CPI) Antigen	5 Half ELISA Plates Equivalent
Canine Parvovirus (CPV)	AG930	Canine Parvovirus (CPV) Antigen	5 Half ELISA Plates Equivalent
CAV 1&2 (Canine Hepatitis)	AG940	CAV 1&2 (Canine Hepatitis) Antigen	5 Half ELISA Plates Equivalent
<i>Feline Coronavirus (FIP)</i>	AG950	<i>Feline Coronavirus (FIP)</i> Antigen	5 Half ELISA Plates Equivalent
<i>Feline Calicivirus (FCV)</i>	AG960	<i>Feline Calicivirus (FCV)</i> Antigen	5 Half ELISA Plates Equivalent
Feline Panleucopenia (FRLV)	AG970	Feline Panleucopenia (FRLV) Antigen	5 Half ELISA Plates Equivalent
Feline Viral Rhinotracheitis (FVR)	AG980	Feline Viral Rhinotracheitis (FVR) Antigen	5 Half ELISA Plates Equivalent

Customized Multiplex ELISA Kits

Mouse

Rat

Simian

Contact us with your specific needs of multiplex ELISA kits

Current Multiplex ELISA Kits

Infectious agent	Reference	Product description	Pack size
		2 ANTIGENS	
Mouse	IM-MX-M2A	Tyzzers, Myco	96 Antigen Wells and 96 Control Antigen Wells
Mouse	IM-MX-M2B	Carb, Ecun	96 Antigen Wells and 96 Control Antigen Wells
		3 ANTIGENS	
Mouse	IM-MX-M3A	MAD, LCM, Reo-3	96 Antigen Wells and 96 Control Antigen Wells
Mouse	IM-MX-M3B	MHV, TMEV, Myco	96 Antigen Wells and 96 Control Antigen Wells
Mouse	IM-MX-M3C	MVM, NS1, MPV	96 Antigen Wells and 96 Control Antigen Wells
Mouse	IM-MX-M3D	MCMV, MAD, Tyzzers	96 Antigen Wells and 96 Control Antigen Wells
Mouse	IM-MX-M3E	TMEV, KRV, H1-NS1	96 Antigen Wells and 96 Control Antigen Wells
Mouse	IM-MX-M3F	TMEV, EDIM, MVM	96 Antigen Wells and 96 Control Antigen Wells
Mouse	IM-MX-M3G	MAD FL, MAD K87, MCMV	96 Antigen Wells and 96 Control Antigen Wells
Simian	IM-MX-S3A	SRV, STLV, B-Virus (1-plate only)	48 Antigen Wells and 48 Control Antigen Wells
		4 ANTIGENS	
Mouse	IM-MX-M4A	LCM, ECTRO, Hantaan, Poly	96 Antigen Wells and 96 Control Antigen Wells
Mouse	IM-MX-M4B	MAD, MCMV, CARB, ECUN	96 Antigen Wells and 96 Control Antigen Wells
Mouse/Rat	IM-MX-M4C	Sendai, PVM, MHV, Myco	96 Antigen Wells and 96 Control Antigen Wells
Mouse	IM-MX-M4D	TMEV, EDIM, MVM, MPV 1&2	96 Antigen Wells and 96 Control Antigen Wells
Mouse	IM-MX-M4E	PVM, Reo-3, TMEV, LCM	96 Antigen Wells and 96 Control Antigen Wells
Mouse	IM-MX-M4F	NS1, EDIM, MVM, MHV	96 Antigen Wells and 96 Control Antigen Wells
Rat	IM-MX-R4A	KRV, PVM, NS1, RCV/SDA	96 Antigen Wells and 96 Control Antigen Wells
Simian	IM-MX-S4A	SRV, SIV, STLV, B-Virus (1-plate only)	48 Antigen Wells and 48 Control Antigen Wells
		5 ANTIGENS	
Mouse	IM-MX-M5B	MPV, MVM, MHV, Reo-3, EDIM	96 Antigen Wells and 96 Control Antigen Wells
Mouse	IM-MX-M5C	PVM, Reo-3, Sendai, ECTRO, LCM	96 Antigen Wells and 96 Control Antigen Wells
Mouse	IM-MX-M5D	TMEV, PVM, Sendai, Myco, Tyzzers	96 Antigen Wells and 96 Control Antigen Wells
Mouse	IM-MX-M5E	PVM, Sendai, TMEV, Myco, Tyzzers	96 Antigen Wells and 96 Control Antigen Wells
Mouse	IM-MX-M5F	ECTRO, MAD, Reo-3, LCM, MCMV	96 Antigen Wells and 96 Control Antigen Wells
Mouse	IM-MX-M5G	TMEV, Hanta, ECTRO, Tyzzers, Poly	96 Antigen Wells and 96 Control Antigen Wells
Mouse	IM-MX-M5H	Myco, Sendai, LCM, Poly, Ectro	96 Antigen Wells and 96 Control Antigen Wells
Rat	IM-MX-R5A	RPV, PMV, KRV, H1, TMEV	96 Antigen Wells and 96 Control Antigen Wells
Rat	IM-MX-R5B	RCV/SDA, PVR, Sendai, Myco, Tyzzers	96 Antigen Wells and 96 Control Antigen Wells
Rat	IM-MX-R5C	RCV/SDA, KRV, NS1, H1, Myco	96 Antigen Wells and 96 Control Antigen Wells
Rat	IM-MX-R5D	PVR, Sendai, RCV/SDA, Myco, Tyzzers	96 Antigen Wells and 96 Control Antigen Wells
Rat	IM-MX-R5E	RCV/SDA, Myco, NSI, Sendai, Tyzzers	96 Antigen Wells and 96 Control Antigen Wells
Rat	IM-MX-R5F	TMEV, Reo-3, LCM, Myco, H1	96 Antigen Wells and 96 Control Antigen Wells
		6 ANTIGENS	
Mouse	IM-MX-M6A	PVM, MAD FL, MAD K87, TMEV, Reo-3	96 Antigen Wells and 96 Control Antigen Wells
Mouse	IM-MX-M6B	PVM, LCM, MPV, Sendai, MHV, Reo-3	96 Antigen Wells and 96 Control Antigen Wells
Rat	IM-MX-R6A	Reo-3, Hantaan, MAD, LCM, CARB, ECUN	96 Antigen Wells and 96 Control Antigen Wells
Rat	IM-MX-R6B	RCV/SDA, KRV, RPV, H1, Myco, Sendai	96 Antigen Wells and 96 Control Antigen Wells
Rat	IM-MX-R6C	LCM, Sendai, Parvo, Myco, H1, ECUN	96 Antigen Wells and 96 Control Antigen Wells
		7 ANTIGENS	
Mouse	IM-MX-M7A	EDIM, MVM, Myco, CARB, Ecun, MAD FL, MAD K87	96 Antigen Wells and 96 Control Antigen Wells
		9 ANTIGENS - FELASA Panel	
Mouse/Rat	IM-MX-M9A	MHV, EDIM, MVM, MPV, PVM, Sendai, TMEV, Tyzzers, Myco	96 Antigen Wells and 96 Control Antigen Wells

The background of the slide is a composite of various microscopic images. It features several large, detailed views of bacteria, including some with flagella and others with distinct cell walls. There are also smaller, more abstract shapes that could represent viruses or other microorganisms. The overall color palette is dominated by blues, greys, and whites, with some highlights in yellow and orange.

Microbiology and Vaccine Research

HIV/SIV Products
Human Infectious Disease Products
Mycoplasma Detection and Elimination Products
Vaccine Research Products
Rodent Immunoglobulin Class ELISAs

HIV/SIV Research Products



Characteristics of Activated Monocyte Phenotype Support R5-Tropic Human Immunodeficiency Virus

ABSTRACT

Background: Microbial translocation has been recognized as an important factor in monocyte activation and contributing to AIDS pathogenesis with elevated plasma lipopolysaccharide (LPS) levels, as a marker for microbial translocation, seen in advanced HIV disease. Therefore, the current study was undertaken to assess monocyte activation in vitro by LPS and to determine its impact on monocyte phenotype. Methods: Monocytes from non-HIV-infected donors were analyzed for CD14, CD16, CD69, TNF, and CCR5

by flow cytometry pre- and poststimulation with LPS. In-vitro cultures were then set up to expose non-activated and activated monocytes to R5-, X4-, and dual (R5/X4)-tropic viruses; and the amount of HIV present on the cells was assayed. Results: Non-HIV infected monocytes, after LPS stimulation, were confirmed to have an activated phenotype with increase in CD16 and CD69 surface expressions ($p < 0.05$). The activation phenotype was supported by increase in TNF production, $p < 0.05$. The activated monocytes had increased surface CCR5 (from 21% to 98%; $p = 0.05$); and were found to have more R5-tropic virus than non-activated monocytes ($p < 0.05$). Conclusions: Following activation by LPS, non-HIV-infected monocytes were found to have increase in surface CCR5. These activated monocytes, when exposed to R5-tropic virus, were found to have more virus compared to non-activated monocytes. The significance of the findings could lie in explaining how microbial translocation plays a role in HIV progression; and possibly promoting CCR5-directed strategies in treating HIV.

Munsaka, Sody M., Melissa Agsald, David Troelstrup, Ningjie Hu, and Yu and Bruce Shiramizu. "Characteristics of Activated Monocyte Phenotype Support R5-Tropic Human Immunodeficiency Virus." *Immunology and Immunogenetics Insights*. Libertas Academica, 10 Mar. 2009. Web. 07 June 2012. <<http://www.la-press.com/characteristics-of-activated-monocyte-phenotype-support-r5-tropic-huma-article-a1348>>.

HIV/SIV Research Products

Reference	Product Description	Pack Size
XB-1000	HIV-1 p24 ELISA Kit	96 Tests
XB-1005	HIV-1 p24 Immune Complex Dissociation Kit	96 Samples
XC-1000	HCV Core Antigen ELISA Assay	96 Wells
XC-1005	HCV Core Antigen Immune Complex Dissociation Kit	96 Wells
SK845	SIV p27 Assay	96 Tests
EZ-1700	Integrase Assay Kit (Wild-Type)	96 Wells
EZ-1800	Integrase Assay Kit (Mutant, N155H)	96 Wells
INT832	HIV-1 Integrase Enzyme (Wild-Type)	100ug
INT833	HIV-1 Integrase Enzyme (WMutant, N155H)	100ug
AB-INT100	HIV-1 Integrase Antibody (Rabbit, Polyclonal)	100ug

Identification of novel host-oriented targets for Human Immunodeficiency Virus type 1 using Random Homozygous Gene Perturbation

Abstract

Background: Human Immunodeficiency Virus (HIV) is a global threat to public health. Current therapies that directly target the virus often are rendered ineffective due to the emergence of drugresistant viral variants. An emerging concept to combat drug resistance is the idea of targeting host mechanisms that are essential for the propagation of the virus, but have a minimal cellular effect. Results: Herein, using Random Homozygous Gene Perturbation (RHGP), we have identified cellular targets that allow human MT4 cells to survive otherwise lethal infection by a wild type HIV-1NL4-3. These gene targets were validated by the reversibility of the RHGP technology, which confirmed that the RHGP itself was responsible for the resistance to HIV-1 infection. We further confirmed by siRNA knockdowns that the RHGP-identified cellular pathways are responsible for resistance to infection by either CXCR4 or CCR5 tropic HIV-1 variants. We also demonstrated that cell clones with these gene targets disrupted by RHGP were not permissible to the replication of a drug resistant HIV-1 mutant. Conclusion: These studies demonstrate the power of RHGP to identify novel host targets that are essential for the viral life cycle but which can be safely perturbed without overt cytotoxicity. These findings suggest opportunities for the future development of host-oriented therapeutics with the broad spectrum potential for safe and effective inhibition of HIV infection.

Mao, Hanwen, Hanson Chen, Zena Fesseha, Shaojing Chang, Huong Ung-Medoff, Jassica Van Dyke, Manu Kohli, Wu-Bo Li, Michael Goldblatt, and Michael S. Kinch. "Identification of Novel Host-oriented Targets for Human Immunodeficiency Virus Type 1 Using Random Homozygous Gene Perturbation." *Virology Journal*. 29 Sept. 2009. Web. 07 June 2012. <<http://www.virologyj.com/content/6/1/154>>.

Restricted HIV-1 replication in placental macrophages is caused by inefficient viral transcription

ABSTRACT

HIV-infected PM show restricted replication as compared with MDM. We aimed to determine at what point in the viral replication cycle this restriction occurs in PM as compared with MDM. We performed Alu-LTR PCR for proviral DNA to detect differences in HIV integration, realtime RT-PCR to measure env and gag mRNA levels, and Western blot analysis to detect differences in viral protein expression. PM and MDM were infected with HIV-1 BaL, and DNA was extracted after 24 h and at 6 days p.i. for real-time PCR studies. At 6 and 12 days p.i., cells were lysed for Western blot analyses. We found no difference in viral integration between PM and MDM but significantly lower levels of viral protein gp120 in PM than in MDM. Real-time RTPCR analyses revealed 24-fold less env mRNA and tenfold less gag mRNA in PM. These results suggest that HIV-1 restriction in PM occurs at the level of transcription. This study is significant, as it advances our understanding of HIV-1 infection in PM and its contribution to decreased in utero vertical transmission.

Garcia-Crespo, K., C. Cadilla, R. Sholasky, and R. L. Melendez. "Restricted HIV-1 Replication in Placental Macrophages Is Caused by Inefficient Viral Transcription." *Journal of Leukocyte Biology*. Journal of Leukocyte Biology, 7 Dec. 2009. Web. 07 June 2012. <<http://www.jleukbio.org/content/87/4/633.full>>.

Heterosubtypic Protection against Pathogenic Human and Avian Influenza Viruses via In Vivo Electroporation of Synthetic Consensus DNA Antigens

Abstract

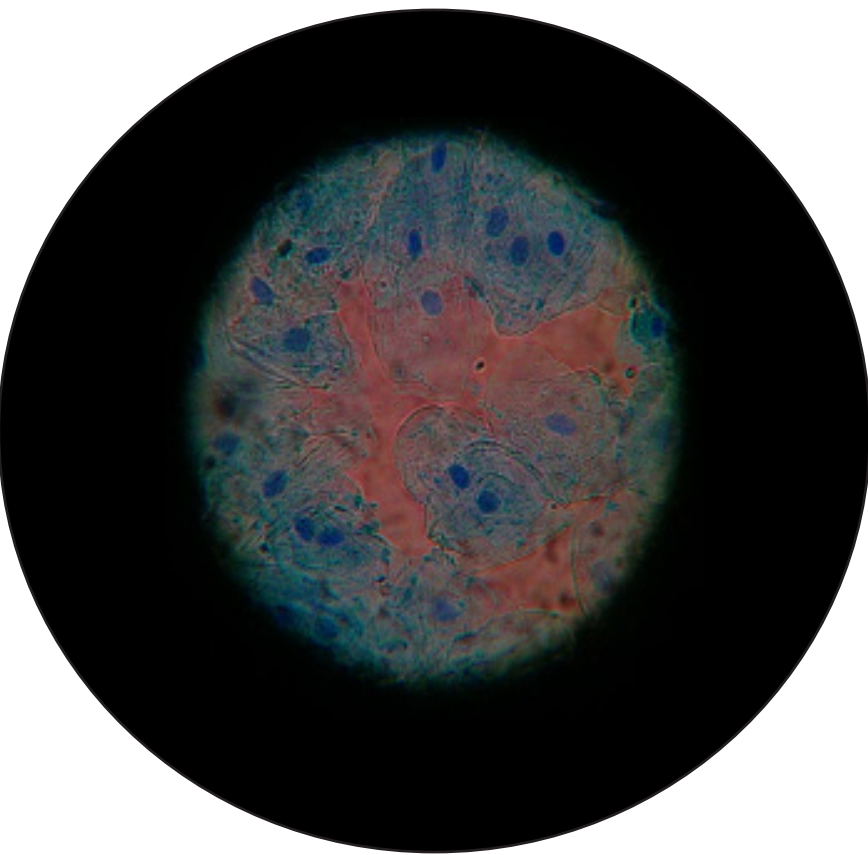
Background: The persistent evolution of highly pathogenic avian influenza (HPAI) highlights the need for novel vaccination techniques that can quickly and effectively respond to emerging viral threats. We evaluated the use of optimized consensus influenza antigens to provide broad protection against divergent strains of H5N1 influenza in three animal models of mice, ferrets, and non-human primates. We also evaluated the use of in vivo electroporation to deliver these vaccines to overcome the immunogenicity barrier encountered in larger animal models of vaccination.

Methods and Findings: Mice, ferrets and non-human primates were immunized with consensus plasmids expressing H5 hemagglutinin (pH5HA), N1 neuraminidase (pN1NA), and nucleoprotein antigen (pNP). Dramatic IFN- γ -based cellular immune responses to both H5 and NP, largely dependent upon CD8 $^{+}$ T cells were seen in mice. Hemagglutination inhibition titers classically associated with protection (.1:40) were seen in all species. Responses in both ferrets and macaques demonstrate the ability of synthetic consensus antigens to induce antibodies capable of inhibiting divergent strains of the H5N1 subtype, and studies in the mouse and ferret demonstrate the ability of synthetic consensus vaccines to induce protection even in the absence of such neutralizing antibodies. After challenge, protection from morbidity and mortality was seen in mice and ferrets, with significant reductions in viral shedding and disease progression seen in vaccinated animals.

Conclusions: By combining several consensus influenza antigens with in vivo electroporation, we demonstrate that these antigens induce both protective cellular and humoral immune responses in mice, ferrets and non-human primates. We also demonstrate the ability of these antigens to protect from both morbidity and mortality in a ferret model of HPAI, in both the presence and absence of neutralizing antibody, which will be critical in responding to the antigenic drift that will likely occur before these viruses cross the species barrier to humans.

Laddy, Dominick J., Jian Yan, Michele Kutzler, Darwyn Kobasa, Gary P. Kobinger, Amir S. Khan, Jack Greenhouse, Niranjana Y. Sardesai, Ruxandra Draghia-Akli, and David B. Weiner. "Heterosubtypic Protection against Pathogenic Human and Avian Influenza Viruses via In Vivo Electroporation of Synthetic Consensus DNA Antigens." *Plos One*. 25 June 2008. Web. 7 June 2012. <www.plosone.org>.

Human Infectious Disease Products

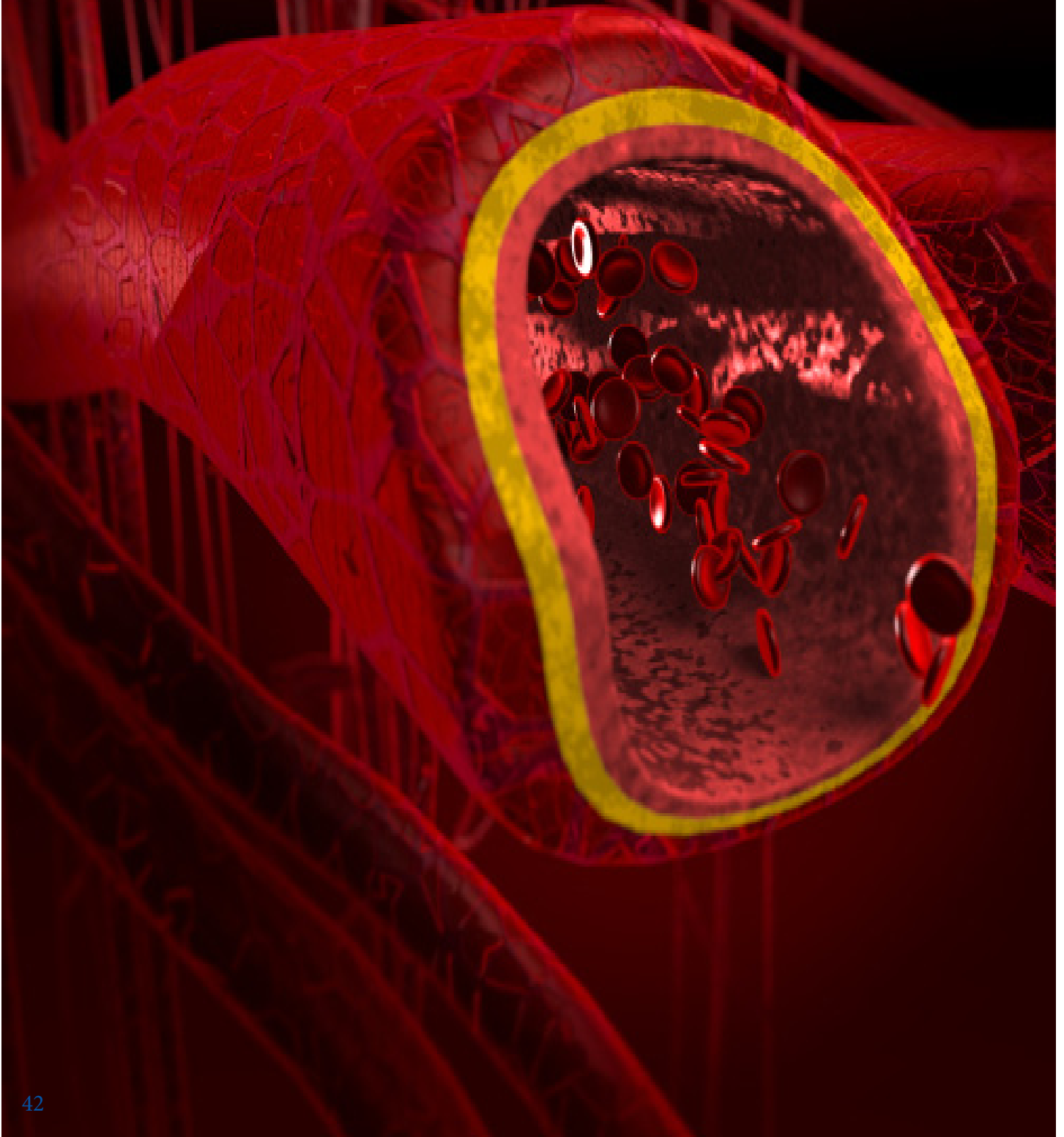


Human Infectious Disease Products

Reference	Product Description	Pack Size
WA-1196	HAV-IgM ELISA	96 Wells
WA-1296	HAV-Ab ELISA	96 Wells
WB-2296	HBsAg ELISA	96 Wells
WB-2396	HBsAb ELISA	96 Wells
WB-2496	HBeAg ELISA	96 Wells
WB-2596	HBeAb ELISA	96 Wells
WB-2696	HBcAb ELISA	96 Wells
WB-2796	HBcAb-IgM ELISA	96 Wells
WB-2896	HBsAb Quantitative ELISA	96 Wells
WB-2996	HBV-NRAg ELISA	96 Wells
WC-3196	HCV ELISA	96 Wells
WC-3396	HCV-IgM ELISA	96 Wells
WD-6196	HDV-IgG ELISA	96 Wells
WD-6296	HDV-IgM ELISA	96 Wells
WD-6396	HDV-Ag ELISA	96 Wells
WE-7196	HEV-IgM ELISA	96 Wells
WE-7296	HEV-IgG ELISA	96 Wells
WE-7396	HEV-Ab ELISA	96 Wells
WE-7496	HEV-Ag ELISA	96 Wells
WG-8196	HGV-IgG ELISA	96 Wells
WH-9196	HTLV 1+2 Ab ELISA	96 Wells
WI-4396	HIV 1+2 Ab ELISA	96 Wells
WI-4496	HIV 1+2 Ag/Ab ELISA	96 Wells
WT-1096	M. Tuberculosis-IgG ELISA	96 Wells
WT-5296	Syphilis Anti-TP ELISA	96 Wells

ALL PRODUCTS ARE FOR RESEARCH USE ONLY

Mycoplasma Detection and Elimination Products



Mycoplasma Detection and Elimination Products

Reference	Product Description	Pack Size
	Detection	
CSD25	Mycoplasma Detection Kit	25 tests
CSD50	Mycoplasma Detection Kit	50 tests
CSD100	Mycoplasma Detection Kit	100 tests
	Elimination	
CSE01	Mycoplasma Elimination Kit	1 kit
CSE03	Mycoplasma Elimination Kit	3 kits
CSE05	Mycoplasma Elimination Kit	5 kits
	Spray	
CSP100	Mycoplasma Spray	1 Liter
CSP1000	Mycoplasma Spray	10 Liters

Vaccine Research Products

XpressBio's Vaccine Research kits are quantitative assays for the measurement of the IgG antibody response to various vaccines in human and laboratory animals.

The assay is measured spectrophotometrically to indicate the level of specific antibodies present in a sample.

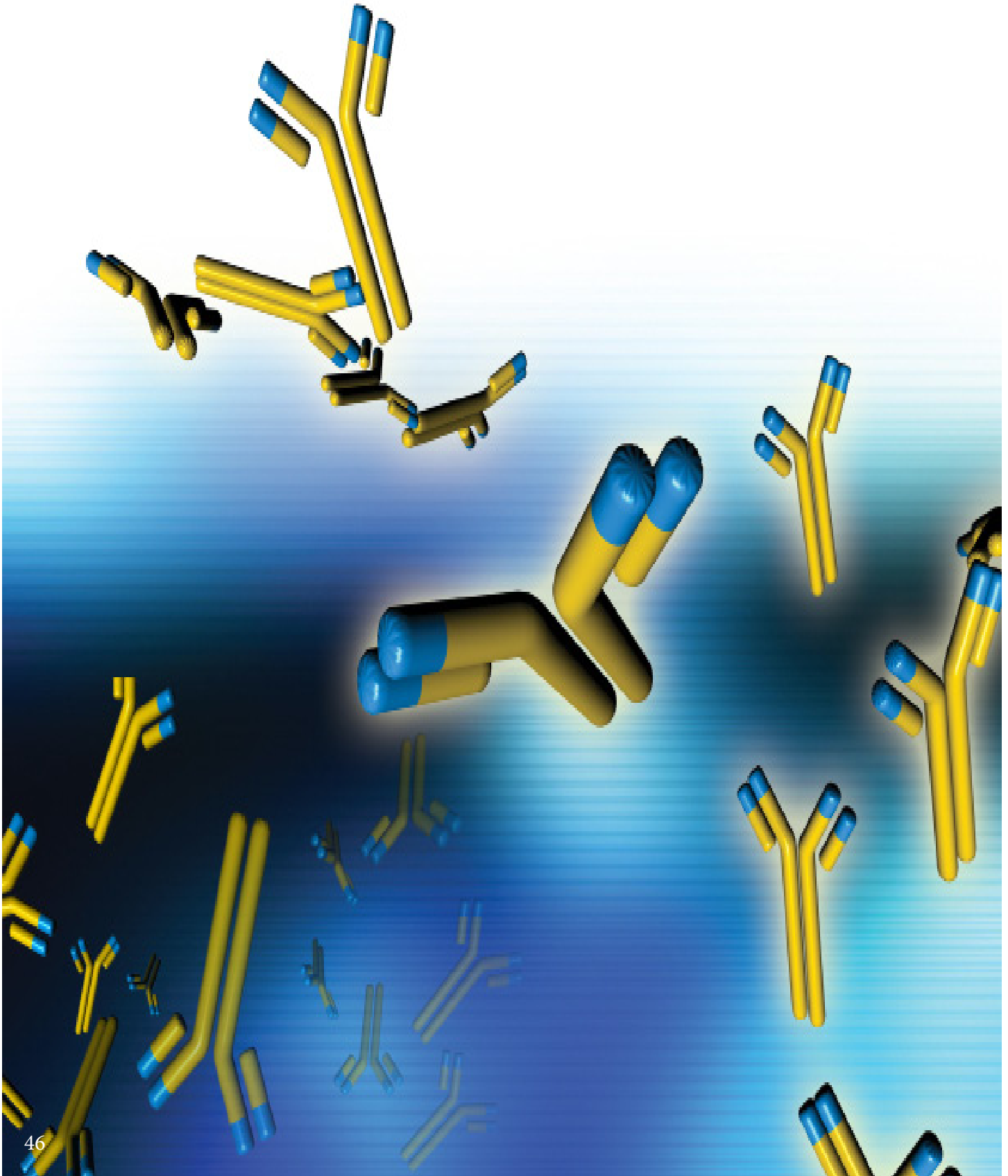


Vaccine Research Products

Infectious agent	Reference	Product description	Pack size
<i>Bacillus anthracis</i>			
	IM-326	Mouse Anti-Anthrax PA83 ELISA Kit	96 Determinations
	IM-838	Human Anti-Anthrax PA83 ELISA Kit	96 Determinations
	IM-301	Rabbit Anti-Anthrax PA83 ELISA Kit	96 Determinations
<i>Bordetella pertussis</i>			
	IM-203	Mouse Anti-Pertussis ELISA Kit	96 Determinations
	IM-216	Rabbit Anti-Pertussis ELISA Kit	96 Determinations
	IM-216H	Human Anti-Pertussis ELISA Kit	96 Determinations
<i>Clostridium tetani</i>			
	IM-202	Mouse Anti-Tetanus toxoid ELISA Kit	96 Determinations
	IM-217	Rabbit Anti-Tetanus Toxoid ELISA Kit	96 Determinations
	IM-217H	Human Anti-Tetanus Toxoid ELISA Kit	96 Determinations
<i>Corynebacterium diphtheriae</i>			
	IM-201	Mouse Anti-Diphtheria Toxoid ELISA Kit	96 Determinations
	IM-215	Rabbit Anti-Diphtheria Toxoid ELISA Kit	96 Determinations
	IM-215H	Human Anti-Diphtheria Toxoid ELISA Kit	96 Determinations
<i>Haemophilus influenzae</i> B			
	IM-204	Mouse Anti- <i>Haemophilus influenzae</i> B (HIB) ELISA Kit	96 Determinations
	IM-218	Rabbit Anti- <i>Haemophilus influenzae</i> B (HIB) ELISA Kit	96 Determinations
	IM-218H	Human Anti- <i>Haemophilus influenzae</i> B (HIB) ELISA Kit	96 Determinations
Hepatitis B Virus			
	IM-325	Mouse Anti-HBsAg ELISA Kit	96 Determinations
	IM-219	Rabbit Anti-HBsAg ELISA Kit	96 Determinations
	IM-219H	Human Anti-HBsAg ELISA Kit	96 Determinations

ALL PRODUCTS ARE FOR RESEARCH USE ONLY

Rodent Immunoglobulin Class ELISA Products



Rodent Immunoglobulin Class ELISA Products

Species	Reference	Product description	Pack size
<i>Mouse Immunoglobulin</i>			
	595-700	Mouse Total IgE ELISA Kit	96 Wells
<i>Rat Immunoglobulin</i>			
	IM-835	Rat Total IgE ELISA Kit	96 Wells

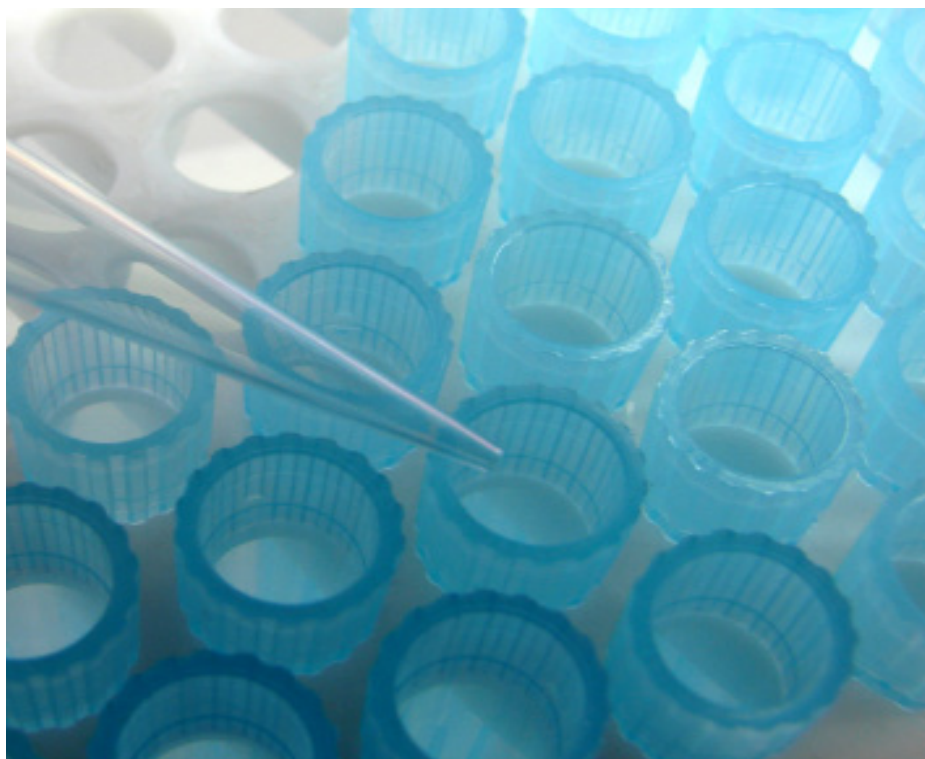
Total IgE as a Serodiagnostic Marker to Aid Murine Fur Mite Detection

Mites of 3 genera—*Myobia*, *Myocoptes*, and *Radfordia* —continue to plague laboratory mouse facilities, even with use of stringent biosecurity measures. Mites often spread before diagnosis, predominantly because of detection difficulty. Current detection methods have suboptimal sensitivity, are time-consuming, and are costly. A sensitive serodiagnostic technique would facilitate detection and ease workload. We evaluated whether total IgE increases could serve as a serodiagnostic marker to identify mite infestations. Variables affecting total IgE levels including infestation duration, sex, age, mite species, soiled-bedding exposure, and ivermectin treatment were investigated in Swiss Webster mice. Strain- and pinworm-associated effects were examined by using C57BL/6 mice and Swiss Webster mice dually infested with *Syphacia obvelata* and *Aspicularis tetraptera*, respectively. Mite infestations led to significant increases in IgE levels within 2 to 4 wk. Total IgE threshold levels and corresponding sensitivity and specificity values were determined along the continuum of a receiver-operating characteristic curve. A threshold of 81 ng/mL was chosen for Swiss Webster mice; values above this point should trigger screening by a secondary, more specific method. Sex-associated differences were not significant. Age, strain, and infecting parasite caused variability in IgE responses. Mice exposed to soiled bedding showed a delayed yet significant increase in total IgE. Treatment with ivermectin reduced total IgE levels within 2 wk. Our data suggest that increases in total IgE in Swiss Webster and C57BL/6 mice warrant investigation, especially because mite infestations can rapidly elevate total IgE levels. We propose that using total IgE levels routinely in serologic panels will enhance biosecurity.

Roble, Gordon S., William Boteler, Elyn Riedel, and Neil S. Lipman. "Total IgE as A Serodiagnostic Marker to Aid Murine Fur Mite Detection." JAALAS 51.2 (2012): 199-208. Print

Cytokine ELISA Kits

Human
Mouse
Rat

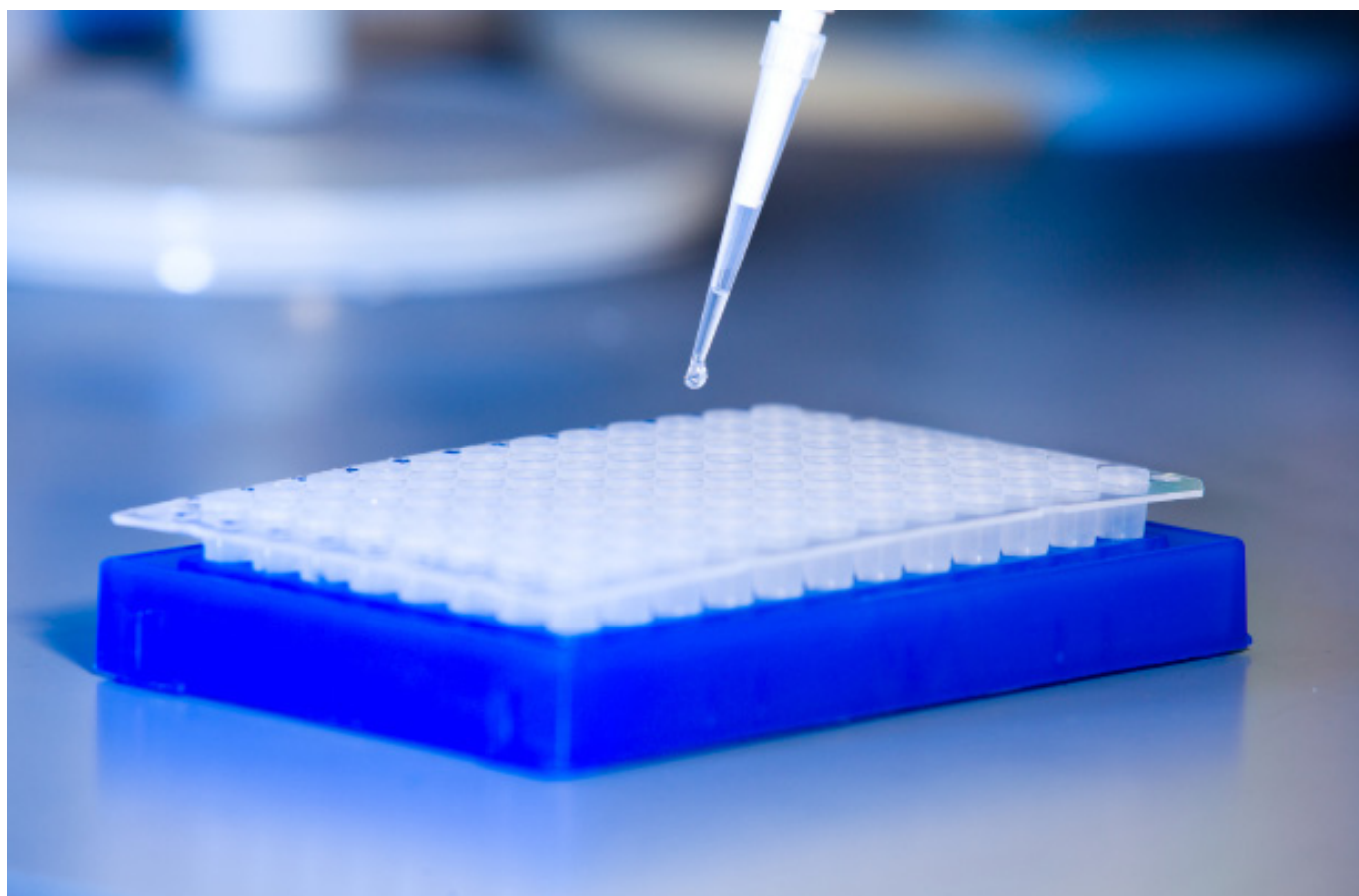


Cytokine ELISA Kits

Reference	Product description	Pack Size
2001-01	Mouse TNF- α ELISA Kit	1 x 96 wells
2004-01	Mouse IL-1 β ELISA Kit	1 x 96 wells
2005-01	Mouse IL-2 ELISA Kit	1 x 96 wells
2006-01	Mouse IL-4 ELISA Kit	1 x 96 wells
2007-01	Mouse IL-5 ELISA Kit	1 x 96 wells
2008-01	Mouse IL-6 ELISA Kit	1 x 96 wells
2009-01	Mouse IL-12/p70 ELISA Kit	1 x 96 wells
2010-01	Mouse IL-13 ELISA Kit	1 x 96 wells
2011-01	Mouse IL-15 ELISA Kit	1 x 96 wells
2012-01	Mouse IL-17 ELISA Kit	1 x 96 wells
2013-01	Mouse IFN- γ ELISA Kit	1 x 96 wells
2015-01	Mouse IL-12/IL-23 (p40) ELISA Kit	1 x 96 wells
2102-01	Human GM-CSF ELISA Kit	1 x 96 wells
2104-01	Human IL-2 ELISA Kit	1 x 96 wells
2105-01	Human TNF- α ELISA Kit	1 x 96 wells
2106-01	Human IL-5 ELISA Kit	1 x 96 wells
2107-01	Human IL-6 ELISA Kit	1 x 96 wells
2108-01	Human IL-4 ELISA Kit	1 x 96 wells
2109-01	Human IL-1 α ELISA Kit	1 x 96 wells
2110-01	Human IL-1 β ELISA Kit	1 x 96 wells
2113-01	Human IL-10 ELISA Kit	1 x 96 wells
2116-01	Human IFN- γ ELISA Kit	1 x 96 wells
2121-01	Human IL-13 ELISA Kit	1 x 96 wells
2122-01	Human IL-15 ELISA Kit	1 x 96 wells
2126-01	Human IL-22 ELISA Kit	1 x 96 wells
2127-01	Human IL-27p28 ELISA Kit	1 x 96 wells
2131-01	Human G-CSF ELISA Kit	1 x 96 wells
2133-01	Human VEGF ELISA Kit	1 x 96 wells
2134-01	Human IL-8 ELISA Kit	1 x 96 wells
2202-01	Rat IL-6 ELISA Kit	1 x 96 wells
2203-01	Rat TNF- α ELISA Kit	1 x 96 wells
2204-01	Rat IFN- γ ELISA Kit	1 x 96 wells
2205-01	Rat IL-1 β ELISA Kit	1 x 96 wells
2206-01	Rat IL-10 ELISA Kit	1 x 96 wells

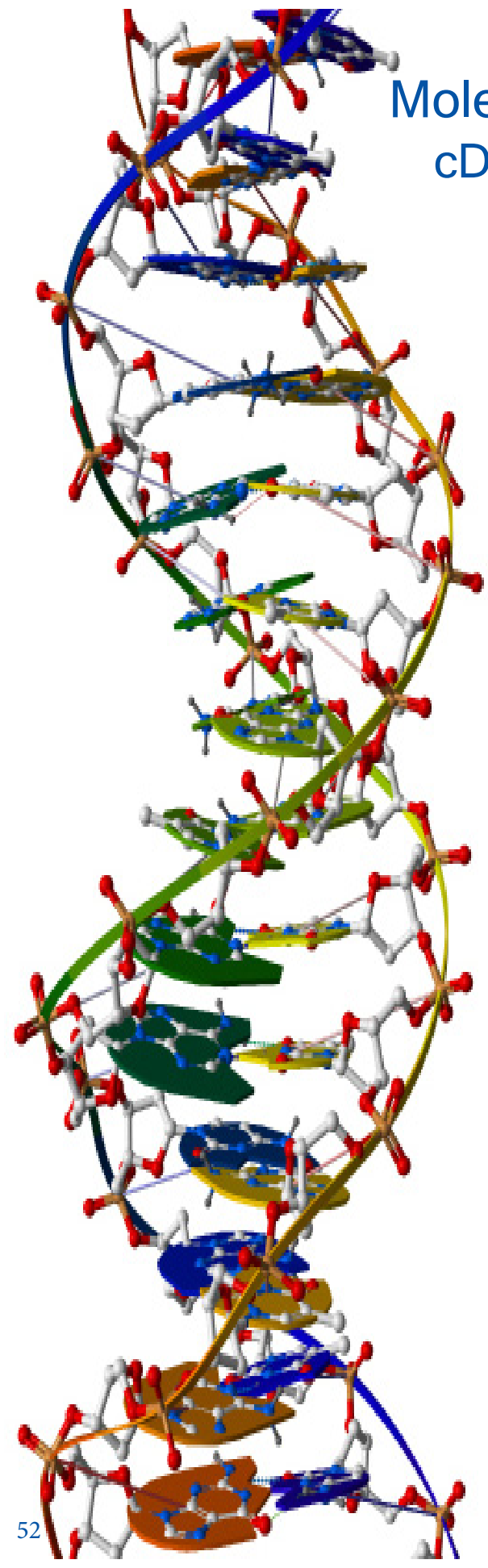
Coated ELISA Plates

Xpress Capture Glutathione
Xpress Capture Streptavidin
Xpress Capture Nickel Chelate



Coated ELISA Plates

Reference	Product Description	Pack Size
	Glutathione	
EX7000-B384	Xpress Capture Glutathione ELISA Plates, Black 384 wells	5x384 wells
EX7000-B96	Xpress Capture Glutathione ELISA Plates, Black 96 wells	5x96 wells
EX7000-C384	Xpress Capture Glutathione ELISA Plates, Clear 384 wells	5x384 wells
EX7000-C96	Xpress Capture Glutathione ELISA Plates, Clear 96 wells	5x96 wells
EX7000-W384	Xpress Capture Glutathione ELISA Plates, White 384 wells	5x384 wells
EX7000-W96	Xpress Capture Glutathione ELISA Plates, White 96 wells	5x96 wells
	Streptavidin	
EX8000-B384	Xpress Capture <i>Streptavidin</i> Coated ELISA Plates, 384 Black Wells	5x384 wells
EX8000-B96	Xpress Capture <i>Streptavidin</i> Coated ELISA Plates, 96 Black Wells	5x96 wells
EX8000-C384	Xpress Capture <i>Streptavidin</i> Coated ELISA Plates, 384 Clear Wells	5x384 wells
EX8000-C96	Xpress Capture <i>Streptavidin</i> Coated ELISA Plates, 96 Clear Wells	5x96 wells
EX8000-W384	Xpress Capture <i>Streptavidin</i> Coated ELISA Plates, 384 White wells	5x384 wells
EX8000-W96	Xpress Capture <i>Streptavidin</i> Coated ELISA Plates, 96 white Wells	5x96 wells
	Nickel	
EX9000-B384	Xpress Capture Nickel Chelate ELISA Plates, Black 384 wells	5x384 wells
EX9000-B96	Xpress Capture Nickel Chelate ELISA Plates, Black 96 wells	5x96 wells
EX9000-C384	Xpress Capture Nickel Chelate ELISA Plates, Clear 384 wells	5x384 wells
EX9000-C96	Xpress Capture Nickel Chelate ELISA Plates, Clear 96 wells	5x96 wells
EX9000-W384	Xpress Capture Nickel Chelate ELISA Plates, White 384 wells	5x384 wells
EX9000-W96	Xpress Capture Nickel Chelate ELISA Plates, White 96 wells	5x96 wells



Molecular Biology

cDNA Libraires

Human
Animal
Plant

Our cDNA libraries come from various sources including Bovine, Human, Monkey, Mouse, Rat, Rice, and Xenopus. These large insert libraries are high quality, made from nano amounts of mRNA (without PCR amplification) and a minimum 70% full length clones.

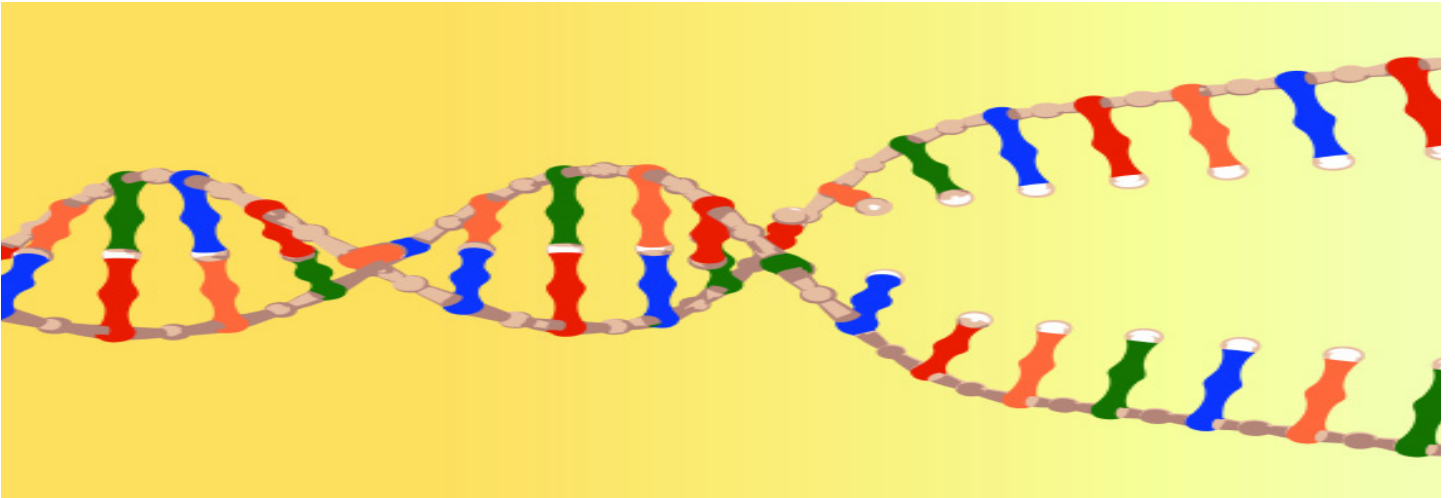
cDNA Libraries

Reference	Product Description	Pack Size
	Bovine	
GC_BGC_17	Bovine Ascending Colon	5x 10 ⁹ cfu/ml
GC_BGC_27	Bovine Calf Basal Ganglia	5x 10 ⁹ cfu/ml
GC_BGC_28	Bovine Calf Cerebral Cortex	5x 10 ⁹ cfu/ml
GC_BGC_25	Bovine Calf Hippocampus	5x 10 ⁹ cfu/ml
GC_BGC_26	Bovine Calf Thalamus	5x 10 ⁹ cfu/ml
GC_BGC_30	Bovine Fetal Muscle	5x 10 ⁹ cfu/ml
GC_BGC_29	Bovine Fetal Skin	5x 10 ⁹ cfu/ml
GC_BGC_16	Bovine Uterus	5x 10 ⁹ cfu/ml
	Cabbage	
10147-A	Cabbage Early Bud cDNA Library	5x 10 ⁹ cfu/ml
10148-A	Cabbage Open Flower/Late Bud cDNA Library	5x 10 ⁹ cfu/ml
	Cynomolgus Monkey	
10137-A	Cynomolgus Monkey Bone Marrow cDNA Library	5x 10 ⁹ cfu/ml
10138-A	Cynomolgus Monkey Brain cDNA Library	5x 10 ⁹ cfu/ml
10138-N	Cynomolgus Monkey Brain Normalized cDNA Library	5x 10 ⁹ cfu/ml
10139-A	Cynomolgus Monkey Heart cDNA Library	5x 10 ⁹ cfu/ml
10140-A	Cynomolgus Monkey Kidney cDNA Library	5x 10 ⁹ cfu/ml
10141-A	Cynomolgus Monkey Liver cDNA Library	5x 10 ⁹ cfu/ml
10142-A	Cynomolgus Monkey Lung cDNA Library	5x 10 ⁹ cfu/ml
10143-A	Cynomolgus Monkey Lymph Node cDNA Library	5x 10 ⁹ cfu/ml
10144-A	Cynomolgus Monkey Skin cDNA Library	5x 10 ⁹ cfu/ml
10145-A	Cynomolgus Monkey Spleen cDNA Library	5x 10 ⁹ cfu/ml
10146-A	Cynomolgus Monkey Thymus cDNA Library	5x 10 ⁹ cfu/ml
	Feline	
10168-A	Feline Brain cDNA Library	5x 10 ⁹ cfu/ml
10168-N	Feline Brain Normalized cDNA Library	5x 10 ⁹ cfu/ml
10169-A	Feline Brain-Large Insert cDNA Library	5x 10 ⁹ cfu/ml
10169-N	Feline Brain-Large Insert Normalized cDNA Library	5x 10 ⁹ cfu/ml
	Human	
10101-A	Human Brain cDNA Library	5x 10 ⁹ cfu/ml
10101-N	Human Brain Normalized cDNA Library	5x 10 ⁹ cfu/ml
MGC_278	Human Embryonic Stem Cell HSF-1.14 Cell Line Primary cDNA Library	5x 10 ⁹ cfu/ml
MGC_279	Human Embryonic Stem Cell HSF-1.14 Cell Line Normalized cDNA Library	5x 10 ⁹ cfu/ml
MGC_281	Human Embryonic Stem Cell HSF-6 Cell Line Normalized cDNA Library	5x 10 ⁹ cfu/ml
MGC_280	Human Embryonic Stem Cell HSF-6 Cell Line Primary cDNA Library	5x 10 ⁹ cfu/ml
12259-N	Human Embryonic Stem Cell Normalized cDNA Library	5x 10 ⁹ cfu/ml
12261-N	Human Embryonic Stem Cell Normalized cDNA Library	5x 10 ⁹ cfu/ml
12263-N	Human Embryonic Stem Cell Normalized cDNA Library	5x 10 ⁹ cfu/ml
12258-P	Human Embryonic Stem Cell Primary cDNA Library	5x 10 ⁹ cfu/ml
12260-P	Human Embryonic Stem Cell Primary cDNA Library	5x 10 ⁹ cfu/ml
12262-P	Human Embryonic Stem Cell Primary cDNA Library	5x 10 ⁹ cfu/ml
10102-A	Human Fetal Brain cDNA Library	5x 10 ⁹ cfu/ml
10102-N	Human Fetal Brain Normalized cDNA Library	5x 10 ⁹ cfu/ml
10105-A	Human Heart cDNA Library	5x 10 ⁹ cfu/ml
10105-N	Human Heart Normalized cDNA Library	5x 10 ⁹ cfu/ml
10111-A	Human Kidney cDNA Library	5x 10 ⁹ cfu/ml
10106-A	Human Liver cDNA Library	5x 10 ⁹ cfu/ml
10106-N	Human Liver Normalized cDNA Library	5x 10 ⁹ cfu/ml
10107-A	Human Lung cDNA Library	5x 10 ⁹ cfu/ml
10107-N	Human Lung Normalized cDNA Library	5x 10 ⁹ cfu/ml

Infectious agent	Reference	Product description
	Human	
10109-A	Human Spleen cDNA Library	5x 10 ⁹ cfu/ml
10112-A	Human Testis cDNA Library	5x 10 ⁹ cfu/ml
10112-N	Human Testis Normalized cDNA Library	5x 10 ⁹ cfu/ml
10113-A	Human Thymus cDNA Library	5x 10 ⁹ cfu/ml
10113-N	Human Thymus Normalized cDNA Library	5x 10 ⁹ cfu/ml
CSL1159	U87MG Human Glioma in pLenti6/V5-D-TOPO	800,000 cfu/ml
	Monkey	
10114-A	Monkey Brain cDNA Library	5x 10 ⁹ cfu/ml
	Mouse	
10104-A	Mouse Brain cDNA Library	5x 10 ⁹ cfu/ml
10104-N	Mouse Brain Normalized cDNA Library	5x 10 ⁹ cfu/ml
20203-A	Mouse Bone Marrow cDNA Library	5x 10 ⁹ cfu/ml
20205-A	Mouse Mesodermal Cell cDNA Library	5x 10 ⁹ cfu/ml
20205-N	Mouse Mesodermal Cell Normalised cDNA Library	5x 10 ⁹ cfu/ml
MGC_256	Mouse Oocyte cDNA Library	5x 10 ⁹ cfu/ml
MGC_257	Mouse Oocyte Normalized cDNA Library	5x 10 ⁹ cfu/ml
20204-A	Mouse Pancreatic Islet Cell cDNA Library	5x 10 ⁹ cfu/ml
20206-A	Mouse Skin cDNA Library	5x 10 ⁹ cfu/ml
10115-A	Mouse Thyroid cDNA Library	5x 10 ⁹ cfu/ml
MGC_189	Mouse Thyroid cDNA Library	5x 10 ⁹ cfu/ml
MGC_230	Mouse Thyroid Normalized cDNA Library	5x 10 ⁹ cfu/ml
	Oat	
10151-A	Oat AC Marie cDNA Library	5x 10 ⁹ cfu/ml
10152-A	Oat AC Morgan cDNA Library	5x 10 ⁹ cfu/ml
10153-A	Oat AC Rigodon cDNA Library	5x 10 ⁹ cfu/ml
10154-A	Oat Ajay cDNA Library	5x 10 ⁹ cfu/ml
10155-A	Oat Assiniboia/S42 cDNA Library	5x 10 ⁹ cfu/ml
10156-A	Oat Buckskin cDNA Library	5x 10 ⁹ cfu/ml
10157-A	Oat Buffalo cDNA Library	5x 10 ⁹ cfu/ml
10158-A	Oat CI4706-2 cDNA Library	5x 10 ⁹ cfu/ml
10159-A	Oat Coker 227 cDNA Library	5x 10 ⁹ cfu/ml
10160-A	Oat Hurdal cDNA Library	5x 10 ⁹ cfu/ml
10161-A	Oat Kangaroo cDNA Library	5x 10 ⁹ cfu/ml
10162-A	Oat Kanota cDNA Library	5x 10 ⁹ cfu/ml
10163-A	Oat Marion cDNA Library	5x 10 ⁹ cfu/ml
10164-A	Oat Maverick cDNA Library	5x 10 ⁹ cfu/ml
10165-A	Oat Morton cDNA Library	5x 10 ⁹ cfu/ml
10166-A	Oat Sun II cDNA Library	5x 10 ⁹ cfu/ml
10167-A	Oat Tardis cDNA Library	5x 10 ⁹ cfu/ml
	Rat	
10103-A	Rat Brain cDNA Library	5x 10 ⁹ cfu/ml
MGC_254	Rat Brain cDNA Library	5x 10 ⁹ cfu/ml
10103-N	Rat Brain Normalized cDNA Library	5x 10 ⁹ cfu/ml
MGC_255	Rat Brain Normalized cDNA Library	5x 10 ⁹ cfu/ml
MGC_365	Rat Embryo Brain cDNA Library	5x 10 ⁹ cfu/ml
MGC_366	Rat Embryo Brain Normalized cDNA Library	5x 10 ⁹ cfu/ml
MGC_420	Rat Embryo Heart cDNA Library	5x 10 ⁹ cfu/ml
MGC_421	Rat Embryo Heart Normalized cDNA Library	5x 10 ⁹ cfu/ml
MGC_418	Rat Embryo Kidney cDNA Library	5x 10 ⁹ cfu/ml
MGC_419	Rat Embryo Kidney Normalized cDNA Library	5x 10 ⁹ cfu/ml
MGC_367	Rat Embryo Liver cDNA Library	5x 10 ⁹ cfu/ml
MGC_368	Rat Embryo Liver Normalized cDNA Library	5x 10 ⁹ cfu/ml

Infectious agent	Reference	Product description
	Rat	
20200-A	Rat Liver cDNA Library	5x 10 ⁹ cfu/ml
20200-N	Rat Liver Normalised cDNA Library	5x 10 ⁹ cfu/ml
10118-A	Rat Heart cDNA Library	5x 10 ⁹ cfu/ml
MGC_233	Rat Heart cDNA Library	5x 10 ⁹ cfu/ml
MGC_234	Rat Heart Normalized cDNA Library	5x 10 ⁹ cfu/ml
MGC_235	Rat Kidney cDNA Library	5x 10 ⁹ cfu/ml
MGC_236	Rat Kidney Normalized cDNA Library	5x 10 ⁹ cfu/ml
10119-A	Rat Kidneys cDNA Library	5x 10 ⁹ cfu/ml
10116-A	Rat Lung cDNA Library	5x 10 ⁹ cfu/ml
MGC_231	Rat Lung cDNA Library	5x 10 ⁹ cfu/ml
MGC_232	Rat Lung Normalized cDNA Library	5x 10 ⁹ cfu/ml
MGC_252	Rat Ovarie cDNA Library	5x 10 ⁹ cfu/ml
MGC_253	Rat Ovarie Normalized cDNA Library	5x 10 ⁹ cfu/ml
MGC_269	Rat Placenta cDNA Library	5x 10 ⁹ cfu/ml
20201-A	Rat Spleen cDNA Library	5x 10 ⁹ cfu/ml
20201-N	Rat Spleen Normalised cDNA Library	5x 10 ⁹ cfu/ml
10117-A	Rat Testis cDNA Library	5x 10 ⁹ cfu/ml
MGC_237	Rat Testis cDNA Library	5x 10 ⁹ cfu/ml
MGC_238	Rat Testis Normalized cDNA Library	5x 10 ⁹ cfu/ml
20202-A	Rat Thymus cDNA Library	5x 10 ⁹ cfu/ml
20202-N	Rat Thymus Normalised cDNA Library	5x 10 ⁹ cfu/ml
	Rice	
20207-A	Rice cDNA Library	5x 10 ⁹ cfu/ml
	Tobacco	
10149-A	Tobacco Root cDNA Library	5x 10 ⁹ cfu/ml
10149-N	Tobacco Root Normalized cDNA Library	5x 10 ⁹ cfu/ml
10150-A	Tobacco Small EMerging Leaves cDNA Library	5x 10 ⁹ cfu/ml
	Xenopus	
XGC_bone	Xenopus NICHG_XGC_Bone cDNA Library	5x 10 ⁹ cfu/ml
XGC_limb(m)	Xenopus NICHG_XGC_Embryonic Hind Limb cDNA Library	5x 10 ⁹ cfu/ml
XGC_int(m)	Xenopus NICHG_XGC_Embryonic Intestine cDNA Library	5x 10 ⁹ cfu/ml
XGC_skin(m)	Xenopus NICHG_XGC_Embryonic Skin cDNA Library	5x 10 ⁹ cfu/ml
XGC_troplnt54	Xenopus NICHG_XGC_Embryonic Sm Intestine Stg 54 cDNA Library	5x 10 ⁹ cfu/ml
XGC_troplnt60	Xenopus NICHG_XGC_Embryonic Sm Intestine Stg 60 cDNA Library	5x 10 ⁹ cfu/ml
XGC_troplnt62	Xenopus NICHG_XGC_Embryonic Sm Intestine Stg 62 cDNA Library	5x 10 ⁹ cfu/ml
XGC_troplnt63	Xenopus NICHG_XGC_Embryonic Sm Intestine Stg 63 cDNA Library	5x 10 ⁹ cfu/ml
XGC_troplnt66	Xenopus NICHG_XGC_Embryonic Sm Intestine Stg 66 cDNA Library	5x 10 ⁹ cfu/ml
XGC_tail(m)	Xenopus NICHG_XGC_Embryonic Tail cDNA Library	5x 10 ⁹ cfu/ml
XGC_tropEye1	Xenopus NICHG_XGC_Eye cDNA Library	5x 10 ⁹ cfu/ml
XGC_FaB	Xenopus NICHG_XGC_Fat Bodies cDNA Library	5x 10 ⁹ cfu/ml
XGC_FaBN	Xenopus NICHG_XGC_Fat Bodies Normalized cDNA Library	5x 10 ⁹ cfu/ml
XGC_limb	Xenopus NICHG_XGC_Hind Limb cDNA Library	5x 10 ⁹ cfu/ml
XGC_olfb	Xenopus NICHG_XGC_Olfactory Bulb cDNA Library	5x 10 ⁹ cfu/ml
XGC_panc	Xenopus NICHG_XGC_Pancreas cDNA Library	5x 10 ⁹ cfu/ml
XGC_sple_PHA	Xenopus NICHG_XGC_Spleen PHA-Treated cDNA Library	5x 10 ⁹ cfu/ml
XGC_Emb10	Xenopus NICHG_XGC_Staage 9 Embryo Normalized cDNA Library	5x 10 ⁹ cfu/ml
XGC_Emb9	Xenopus NICHG_XGC_Stage 9 Embryo cDNA Library	5x 10 ⁹ cfu/ml
XGC_Te2	Xenopus NICHG_XGC_Testis cDNA Library	5x 10 ⁹ cfu/ml
XGC_Te2N	Xenopus NICHG_XGC_Testis Normalized cDNA Library	5x 10 ⁹ cfu/ml
XGC_thy	Xenopus NICHG_XGC_Thymus cDNA Library	5x 10 ⁹ cfu/ml

cDNA Synthesis Kits



cDNA Synthesis Kits

Infectious agent	Reference	Pack size
EX-7100-EG	Express Amp First Strand cDNA Synthesis kit for PCR	100 Reactions
EX-7200-EG	Express Gene Double Strand cDNA Synthesis kit	5 Reactions



Express Biotech International
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