



Calbiotech has been providing the finest quality products and state-of-the-art services to research communities for over 15 years globally. Research publications involving Calbiotech products are provided for your reference:

1.

Prevalence of Chlamydia trachomatis and its association with other sexually transmitted infections in a tertiary care center in North India
M. Malhotra, et al. Indian J Sex Transm Dis and AIDS, Vol. 29, no. 2, pp.82-85, 2008.

2.

Effects of environmental tobacco smoke in vivo on rhesus monkey semen quality, sperm function, and sperm metabolism
P. Hung, et al. Reproductive Toxicology, Vol.27, pp. 140 – 148, 2009.

3.

Racial Differences in Paraoxonase-1 (PON1): A Factor in the Health of Southerners
K. A. Davis, et al. Environmental Heath Perspectives, Vol. 117, no. 8, pp. 1226- 1231, 2009.

4.

Schistosoma haematobium and Schistosomiasis mansoni: production of an estradiol-related compound detected by ELISA
M.C. Botelho, et al. Experimental Parasitology, Vol. 122, pp. 250-253, 2009.

5.

2-methoxyestradiol Prevents LNCaPTumor Development in Nude Mice: Potential Role of G2/M Regulatory Proteins
C. Horny, et al. Journal of Cell Death, Vol. 2, pp.1-8 2009.

6.

Urinary Levoglucosan as a Biomarker of Wood Smoke Exposure: Observations in a Mouse Model and in Children
C. T. Migliaccio, et al. Environmental Health Perspectives, Vol. 117, no. pp. 74-79, 2009.

7.

The number of oogonia and somatic cells in the human female embryo and fetus in relation to whether or not exposed to maternal cigarette smoking
M.C. Lutterodt, et al. Human Reproduction, Vol. 24, no.10, pp. 2558- 2566, 2009.

8.

Influence of nutritional flushing prior to mating on the performance of West African Dwarf Goats mated in the rainy season
P. K. Karikari, et al. Pakistan Journal of Nutrition, Vol.8, no. 7, pp. 1068 - 1073, 2009.

9.

Early Adverse rearing experiences alter sleep-wake patterns and plasma cortisol levels in juvenile rhesus monkeys
C. E. Berrett, et al. Psyconeuroendocrinology, Vol. 34, pp. 1029-1040, 2009.

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N. A. Karrow, H. Cao, A. Rodriguez, B. A. Mallard,, H. J. Boermans, "Variation in the ovine cortisol response to systemic bacterial endotoxin challenge is predominantly determined by signalling within the hypothalamic–pituitary–adrenal axis
Q. You, et al. Toxicology and Applied Pharmacology, Vol. 230, pp. 1-8, 2008.

11.

Urinary Levoglucosan as a Biomarker of Wood Smoke Exposure: Observations in a Mouse Model and in Children
C. T. Migliaccio, et al. Environmental Health Perspectives, Vol. 117, no.1, 2009.

12.

Nicotine Promotes Tumor Growth and Metastasis in Mouse Models of Lung Cancer
R. Davis, et al. PLoS ONE, Vol. 4, issue 10, pp. e7524, 2009.

13.

Species-specific regulation of PXR/CAR/ER-target genes in the mouse and rat liver elicited by o, p'-DDT
N. Kiyosawa, et al. BMC Genomis, Vol. 9, no. 487, pp. 2008.

14.

Persistence of Antibodies Induced by Measles-Mumps-Rubella Vaccine in Children in India
S. K. Raut, et al. Clinical and Vaccine Immunology, Vol. 14, no.10, pp. 1370- 1371, 2007.

15.

Sero-epidemiology of Toxoplasmosis amongst Pregnant Women in the Greater Accra Region of Ghana
I. Ayl, et al. Ghana Medical, Vol.43, no.3, pp. 1370-1371, 2009.

16.

Impact of Cigarette Smoke Exposure on Innate Immunity: A Caenorhabditis elegans Model
R. M. Green, et al. PLoS ONE, Vol. 4, Issue 8,pp. e6860, 2009.

17.

Nicotine Augments Glomerular Injury in a Rat Model of Acute Nephritis
E. A. Jaimes, et al. Am J Nephrol, Vol.29, pp. 319-326, 2009.

18.

Growth Differentiation Factor 9 Promotes Rat Preantral Follicle Growth by Up-Regulating FollicularAndrogen Biosynthesis
M. Orisaka, et al. Endocrinology, Vol.150, no., pp. 2740-2748, 2009.

19.

Molecular and Biochemical Effects of a Kola NutExtract on Androgen Receptor-Mediated Pathways
R. Solipuram, et al. Journal of Toxicology, Vol. 2009, no.10, pp. 1155- 1170, 2009.

20.

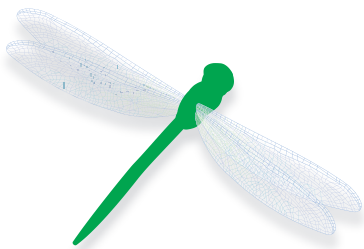
Evaluation of plasma hormone concentrations using enzyme immunoassay/enzyme-linked immunosorbent assay in healthy indian men:effect of ethnicity
M. Sachidhanandam, et al, Indian Journal of Clinical Biochemistry, Vol. 25, no.2, pp. 153-157, 2010.

21.

Insecticide-treated bednets to control dengue vectors: preliminary evidence from a controlled trial in Haiti
A. Lenhart, et al. Tropical medicin and International Health, Vol. 13, no. 1, pp. 56-67, 2008.



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About Calbiotech

Calbiotech is a worldwide leader in immunoassay development and manufacturing. With over 30 years of experience, the Calbiotech team has established itself as a leader in the industry, offering over 200 products distributed to over 50 countries. Our investments in automation and state-of-the-art technologies help ensure our customers receive high-quality, stable, flexible, automation-ready, and cost effective products and services.

Calbiotech's Custom Development team is ready to take your innovation from *Pipeline* to *Production*™. We have custom developed hundreds of ELISA kits, coated microplates, reagents, buffers and other components for major reference labs, pharmaceutical companies, universities and research centers in the U.S. and around the world.

Our Contract Manufacturing Services Include:

- » Assay Development
- » Microplate Coating
- » Reagent Preparation
- » Bottling, Labeling and Packaging

We Offer Over 200 ELISA and CLIA Kits For:

- » Thyroid Markers
 - » Fertility Markers
 - » Steroid Markers
 - » Diabetes Markers
 - » Allergy Markers
 - » Anemia Markers
 - » Growth Markers
 - » Bone Metabolism Markers
- » Inflammatory Markers
 - » Cancer Markers
 - » Cardiac Markers
 - » Drugs of Abuse
 - » Autoimmune Disorders
 - » Infectious Diseases
 - » Research Animal

LDT Components

Coating and Blocking Buffers

Product	Catalog #	Volume
Blocking Buffer (For Antibody Coating)	BDMF242	250 mL, 500 mL, 1000 mL, 5000 mL
Blocking Buffer (For Antigen Coating)	BIMF243	250 mL, 500 mL, 1000 mL, 5000 mL
Coating Buffer	CRMF102	250 mL, 500 mL, 1000 mL, 5000 mL
Conjugate Diluent	CDMF101	12 mL, 250 mL, 500 mL, 1000 mL

Commons: Wash, Stop, TMB, PBS

PBS Buffer	PBMF130	250 mL, 500 mL, 1000 mL, 5000 mL
Stop Solution	CC604SS	12 mL, 250 mL, 500 mL, 1000 mL
TMB Substrate	CC608TM	12 mL, 250 mL, 500 mL, 1000 mL
Wash Concentrate (20x)	CC601WC	25 mL, 250 mL, 500 mL, 1000 mL

Sample Prep and Assay Optimization

Sample Diluent IgG	CC600DG	25 mL, 250 mL, 500 mL, 1000 mL
Sample Diluent IgM	CC600DM	25 mL, 250 mL, 500 mL, 1000 mL

Coated Plates

Streptavidin Coated Microplate	GS224EP	1, 5, 25, 100+ Plates
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Animal ELISA Kits

Research Animal				
Product	Catalog #	Sensitivity (LOQ)	Sample Volume	Runtime
ACTH (Mouse/Rat)	AC018T-100	6.8 pg/mL	200 µL	240/30 mins
Cortisol (Mouse/Rat)	CO103S-100	5 ng/mL	25 µL	60/15 mins
Cortisol (Sheep)	CO116S-400	1 ng/mL	40 µL	60/15 mins
Cotinine (Mouse/Rat)	CO09D-100	5 ng/mL	10 µL	60/30 mins
Estradiol (Mouse/Rat)	ES180S-100	3 pg/mL	25 µL	120/30 mins
Fentanyl (Canine)	FE087D-300	-	20 µL	60/30 mins
HSV-1 IgG (Mouse/Rat)	H1029G-100	-	100 µL	20/10 mins
Insulin (Mouse/Rat)	IS130D-100	6.25 µIU/mL	25 µL	60/15 mins
Morphine (Canine)	MO091D-300	-	20 µL	60/30 mins
Progesterone (Mouse/Rat)	PG129S-100	0.625 ng/mL	20 µL	60/15 mins
Prolactin (Mouse/Rat)	PR063F-100	5 ng/mL	50 µL	60/30/15 mins
T3 Total (Mouse/Rat)	T3043T-100	0.25 ng/mL	25 µL	60/15 mins
T4 Total (Mouse/Rat)	T4044T-100	1 µg/dL	10 µL	60/15 mins
Testosterone Total (Mouse/Rat)	TE187S-100	0.1 ng/mL	25 µL	60/15 mins

Calbiotech's Research Animal ELISA Kits are widely used in pre-clinical trials, drug discovery and research labs in the U.S. and across the globe. Please inquire about custom development using ELISA and CLIA formats for other species and applications.



HUMAN ELISA Kits

Allergy Markers <i>Sample Type: Serum. Runtime: 30/30/10 minutes</i>				Anemia Markers <i>Sample Type: Serum. Runtime: 30/30/15 minutes</i>			
Product	Catalog #	Sensitivity (LOQ)	Sample Volume	Product	Catalog #	Sensitivity (LOQ)	Sample Volume
IgE	TI244A	40 IU/mL	20 µL	Ferritin	FR248T	10 ng/mL	10 µL
Autoimmune Disorders <i>Sample Type: Serum/Plasma. Sample Volume: 10µL Runtime: 20/20/10 mins</i>							
Product	Catalog #	Product	Catalog #	Product	Catalog #	Product	Catalog #
ANA Screen IgG	AN033G	RNP/Sm IgG	RN038G	Scl-70	SC043G	Sm IgG	SM039G
Cardiolipin IgA	CA035A			SSA IgG	SA040G	SSB IgG	SB041G
Cardiolipin IgG	CA034G			Thyroglobulin Ab (TG)	TG070T	Thyroid Peroxidase (TPO) IgG	TP069G
Cardiolipin IgM	CA036M						
Cardiolipin Total Ab	CA077T						
dsDNA IgG	DD037G						
Mitochondrial (MA) Ab	MT073G						
Bone Metabolism Markers <i>Sample Type: All available in Serum.</i>							
Product	Catalog #	Sensitivity (LOQ)	Sample Volume	Runtime	Product	Catalog #	Sensitivity (LOQ)
25(OH) Vitamin D	VD220B	1.25 ng/mL	10 µL	90/30/30 mins			
PTH	PT019T	12.7 pg/mL	25 µL	210/30 mins			
Cancer Markers <i>Sample Type: All available in Serum.</i>							
AFP	AF237T	5 ng/mL	25 µL	60/15 mins			
Beta2 Microglobulin	BM010T	0.625 µg/mL	20 µL	30/30/20 mins			
CA 15-3	CA153T	15 U/mL	200 µL	60/60/20 mins			
CA 19-9	CA199T	15 U/mL	10 µL	90/20 mins			
CA-125	CA125T	25 U/mL	100 µL	90/20 mins			
CEA	CE236T	5 ng/mL	50 µL	60/10 mins			
Chromogranin A	CN101T	10 ng/mL	20 µL	60/60/15 mins			
Neuron Specific Enolase (NSE)	NS193T	5 ng/mL	25 µL	60/30 mins			
Neuron Specific Enolase (NSE) for CSF	NS215T	2 ng/mL	25 µL	60/30 mins			
Free PSA	PS142C	1 ng/mL	50 µL	60/15 mins			
PSA	PS235T	2 ng/mL	25 µL	60/15 mins			
Cardiac Markers <i>Sample Type: All available in Serum.</i>							
Myoglobin	MG017C	25ng/mL	20 µL	45/20 mins			
Troponin I	TI015C	2 ng/mL	100 µL	90/20 mins			
Diabetes Markers <i>Sample Type: All available in Serum/Plasma.</i>							
C-Peptide	CP179S	0.2 ng/mL	50 µL	60/15 mins			
Insulin	IS130D	6.25 µIU/mL	25µL	60/15 mins			
Pro-Insulin	PI099D	6.6 pmol/L	100 µL	Overnight			





HUMAN ELISA Kits

Drugs of Abuse <i>Sample Type: All available in Blood/Plasma/Urine. Runtime: 60/30 mins</i>							
Product	Catalog #	Sample Type	Sample Volume	Product	Catalog #	Sample Type	Sample Volume
Amphetamine	AM080D	Oral Fluids	10 µL	Flunitrazepam	FL088D	Serum	20 µL
Barbiturates	BA081D		10 µL	LSD	LS089D	Urine	20 µL
Benzodiazepines	BE082D		10 µL	Methamphetamine	ME090D	Oral Fluids/Serum	10 µL
Cannabinoids	CA083D		10 µL	Morphine Specific	MO091D	Serum	20 µL
Cocaine Metabolite	CO084D	Urine	10 µL	Opiates	OP092D	Oral Fluids/Serum	10 µL
Cotinine	CO096D		10 µL	PCP	PC093D	Oral Fluids/Serum	10 µL
Fentanyl	FE087D		20 µL	Tricyclics	TR094D	Serum	20 µL

Fertility Markers <i>Sample Type: All available in Serum. Runtime: 60/15 mins</i>							
Product	Catalog #	Sensitivity (LOQ)	Sample Volume	Product	Catalog #	Sensitivity (LOQ)	Sample Volume
FSH	FS232F	5 mIU/mL	50 µL	LH	LH231F	3.1 mIU/mL	50 µL
hCG	HC251F	10 mIU/mL	25 µL	Prolactin	PR234F	5 ng/mL	25 µL

Growth Markers <i>Sample Type: Available in Serum/Plasma.</i>				
Product	Catalog #	Sensitivity (LOQ)	Sample Volume	Runtime
Growth Hormone	HG048H	2.5 ng/mL	25 µL	30/10 mins

Infectious Diseases <i>Sample Type: All available in Serum/Plasma. Runtime: 20/20/10 mins</i>					
Product	Catalog #	Sample Volume	Product	Catalog #	Sample Volume
Anthrax IgG	AP024G	5 µL	HSV-2 IgG	H2031G	10 µL
Brucella IgG	BA052G	10 µL	HSV-2 IgM	H2032M	10 µL
Brucella IgM	BA053M	10 µL	Measles IgG	MS018G	10 µL
Chlamydia pneumonia IgA	CP020A	10 µL	Measles IgM	MS019M	10 µL
Chlamydia pneumonia IgG	CP083G	10 µL	Mumps IgG	MP060G	10 µL
Chlamydia pneumonia IgM	CP095M	10 µL	Mumps IgM	MP061M	10 µL
Chlamydia trachomatis IgA	CT056A	10 µL	Mycoplasma IgG	MP020G	10 µL
Chlamydia trachomatis IgG	CT054G	10 µL	Mycoplasma IgM	MP021M	10 µL
Chlamydia trachomatis IgM	CT055M	10 µL	Rubella IgG	RB025G	10 µL
CMV IgG	CM027G	10 µL	Rubella IgM	RB026M	10 µL
CMV IgM	CM028M	10 µL	Salmonella IgG	ST093G	10 µL
Dengue Virus IgG	DE050G	10 µL	Salmonella IgM	ST084M	10 µL
Dengue Virus IgM	DE051M	10 µL	Toxoplasma IgA	TX023A	10 µL
EBV-VCA IgA	EV011A	10 µL	Toxoplasma IgG	TX022G	10 µL
EBV-VCA IgG	EV010G	10 µL	Toxoplasma IgM	TX024M	10 µL
EBV-VCA IgM	EV012M	10 µL	Treponema pallidum IgG	TP076G	10 µL
H. Pylori IgA	HP014A	10 µL	Treponema pallidum IgM	TP089M	10 µL
H. Pylori IgG	HP013G	10 µL	Treponema pallidum Total	TP094T	10 µL
H. Pylori IgM	HP015M	10 µL	VZV IgG	VZ081G	10 µL
HSV-1 IgG	H1029G	10 µL	VZV IgM	VZ082M	10 µL
HSV-1 IgM	H1030M	10 µL			



HUMAN ELISA Kits

Inflammatory Markers <i>Sample Type: All available in Serum/Plasma/Stool/Saliva.</i>				
Product	Catalog #	Sensitivity (LOQ)	Sample Volume	Runtime
Alpha 1-Antichymotrypsin (ACT)	AC190S	6.25 ng/mL	10 µL	60/30/15 mins
Lysozyme	LS162C	1 ng/mL	25 µL	60/15 mins
C-Reactive Protein	CR120C	0.005mg/L	5 µL	60/15 mins
Secretory IgA	SC221A	6.25 µg/dL	10 µL	60/30/15 mins

Steroid Markers <i>Sample Type: All available in Serum/Plasma.</i>				
ACTH	AC018T	6.8 pg/mL	200 µL	270/30 mins
Androstenedione	AD183E	0.12 ng/mL	25 µL	60/15 mins
Adiponectin	AP229G	3 µIU/mL	25 µL	60/15 mins
Cortisol	CO103S	20 ng/mL	25 µL	60/15 mins
Cortisol (Saliva)	CO116S	1 ng/mL	40 µL	60/15 mins
DHEA-S	DH079S	0.50 µg/mL	25 µL	60/15 mins
Estradiol	ES180S	10 pg/mL	25 µL	60/30 mins
Estriol, Free	EF191S	0.4 ng/mL	50 µL	60/30 mins
Estrogens, Total	TE192S	10 pg/mL	50 µL	120/30 mins
Progesterone	PG129S	2.5 ng/mL	10 µL	60/15 mins
Progesterone (Saliva)	PG119S	25 pg/mL	10 µL	60/15 mins
Testosterone	TE187S	0.1 ng/mL	25 µL	60/15 mins
Testosterone, Free	FT178S	0.25 pg/mL	20 µL	75 minutes

Thyroid Markers <i>Sample Type: All available in Serum/Plasma. Runtime: 60/15 mins</i>			
Thyroxine (T4)	T4224T	2 µg/dL	25 µL
Thyroxine, Free (fT4)	F4223T	0.4 ng/dL	50 µL
Triiodothyronine (T3)	T3225T	1.4 pg/mL	50 µL
Triiodothyronine, Free (fT3)	F3226T	1.4 pg/mL	50 µL
TSH	TS227T	0.5 µIU/mL	50 µL

