

# **IMMUNOASSAYS** CLIA, ELISA & TORCH





#### Immunoassays

Immunoassays are laboratory techniques used to detect and quantify specific molecules, such as proteins, hormones, or antibodies, in a sample. They are based on the principle of antigen-antibody interaction, where an antigen is the substance being measured, and an antibody is a molecule that specifically binds to that antigen.

Immunoassays are critical tools in modern biomedical research and clinical diagnostics, offering robust and reliable methods for analyzing complex biological samples. Fortress Diagnostics have developed a range of Enzyme Linked Immunoabsorbent Assays (ELISA) and Chemiluminescence immunoassays (CLIA) tests as an effective and highly sensitive range of diagnostics solutions.

## CLIA (Chemiluminescence Immunoassay)

Chemiluminescence Immunoassay (CLIA) is an advanced diagnostic technique used to detect and quantify specific molecules such as proteins, hormones, and antibodies in biological samples. It combines the sensitivity of immunoassays with chemiluminescence, where a chemical reaction produces light as a signal.

In CLIA, antibodies or antigens are labeled with a chemiluminescent substance, and when the target molecule binds to the labeled antibodies, a luminescent reaction is triggered. The emitted light is measured, and its intensity correlates with the concentration of the target molecule.

Chemiluminescence Immunoassay (CLIA) is a widely used detection method which combines highly sensitive chemiluminescence with highly specific immune response and affinity of antibodies. CLIA is widely used in clinical laboratories for various applications, including hormone assays, tumor marker testing, infectious disease diagnostics, and therapeutic drug monitoring. It offers high sensitivity, specificity, and a wide dynamic range, making it a valuable tool in medical diagnostics. Fortress Diagnostics manufactures a broad range of CLIA tests to support the growing demand for this greater quality method of testing.

#### **Key Features & Benefits**

Chemiluminescence Immunoassay (CLIA) offers several advantages that makes it the most advanced immunoassay technology on the market and invaluable in clinical diagnostics and research:



High Sensitivity: CLIA is the most sensitive method among immunoassay technologies.



No Protein Quenching Problem: Minimizes the impact of interfering proteins while preserving the specificity and sensitivity of the assay.



**High Linearity:** This is crucial for ensuring the accuracy of results. The high linearity of CLIA assays makes them suitable for quantitative analysis.



**Fast Incubation:** Hence reduced assay time making CLIA more efficient and suitable for high-throughput testing environments, such as clinical laboratories.





Description	Method	Cat No.	Size	Storage
Anti-HBc QN	CLIA	BXL0110A	100 T/Kit	2-8°C
Alpha Feto Protein (AFP)	CLIA	BXL0129A	100 T/Kit	2-8°C
Anti-HBc IgM	CLIA	BXL0113A	100 T/Kit	2-8°C
Anti-HBe QN	CLIA	BXL0109A	100 T/Kit	2-8°C
Anti-Mullerian Hormone (AMH)	CLIA	BXL0185A	100 T/Kit	2-8°C
Beta2-MG	CLIA	BXL0144A	100 T/Kit	2-8°C
BNP	CLIA	BXL0170A	100 T/Kit	2-8°C
CIV	CLIA	BXL0183A	100 T/Kit	2-8°C
CA125	CLIA	BXL0134A	100 T/Kit	2-8°C
CA15-3	CLIA	BXL0135A	100 T/Kit	2-8°C
CA19-9	CLIA	BXL0136A	100 T/Kit	2-8°C
CA242	CLIA	BXL0139A	100 T/Kit	2-8°C
CA50	CLIA	BXL0138A	100 T/Kit	2-8°C
CA72-4	CLIA	BXL0137A	100 T/Kit	2-8°C
Ceruloplasmin (CEA)	CLIA	BXL0130A	100 T/Kit	2-8°C
СК-МВ	CLIA	BXL0159A	100 T/Kit	2-8°C
CK-MB Stat	CLIA	BXL0167A	100 T/Kit	2-8°C
Cortisol	CLIA	BXL0197A	100 T/Kit	2-8°C
C-Peptide	CLIA	BXL0172A	100 T/Kit	2-8°C
c-PSA	CLIA	BXL0133A	100 T/Kit	2-8°C
ст	CLIA	BXL0148A	100 T/Kit	2-8°C
cTnl	CLIA	BXL0161A	100 T/Kit	2-8°C
cTnT	CLIA	BXL0160A	100 T/Kit	2-8°C
CWS (Concentrated Wash Solution)	CLIA	BXL0200A	500ml/bottle	2-8°C
Cy21-1	CLIA	BXL0140A	100 T/Kit	2-8°C
Disposable Tips (Bulk)	CLIA	BXL0204A	1000pcs/bag	2-8°C
Disposable Tips (Fully-Loaded)	CLIA	BXL0206A	96pcs*5levels*8sets/box	2-8°C
DU (Diluent Universal)	CLIA	BXL0201A	200ml/bottle	2-8°C
EBV EBNA1 IgA	CLIA	BXL0122A	100 T/Kit	2-8°C
EBV VCA IgA	CLIA	BXL0123A	100 T/Kit	2-8°C
EBV Zta IgA	CLIA	BXL0124A	100 T/Kit	2-8°C
Estradiol (E2)	CLIA	BXL0191A	100 T/Kit	2-8°C
F-Beta-HCG	CLIA	BXL0187A	100 T/Kit	2-8°C
Ferritin	CLIA	BXL0174A	100 T/Kit	2-8°C
Follicle Stimulating Hormone (FSH)	CLIA	BXL0190A	100 T/Kit	2-8°C
Free PSA (F-PSA)	CLIA	BXL0131A	100 T/Kit	2-8°C
Free-T3 (FT3)	CLIA	BXL0153A	100 T/Kit	2-8°C
Free-T4 (FT4)	CLIA	BXL0154A	100 T/Kit	2-8°C
G17	CLIA	BXL0149A	100 T/Kit	2-8°C
на	CLIA	BXL0181A	100 T/Kit	2-8°C
HAV Ab	CLIA	BXL0101A	100 T/Kit	2-8°C
HAV IgM	CLIA	BXL0102A	100 T/Kit	2-8°C
HBcAb	CLIA	BXL0107A	100 T/Kit	2-8°C
НВсАЬ НQ	CLIA	BXL0112A	100 T/Kit	2-8°C
HBeAb	CLIA	BXL0106A	100 T/Kit	2-8°C
HBeAg	CLIA	BXL0105A	100 T/Kit	2-8°C
HBeAg QN	CLIA	BXL0108A	100 T/Kit	2-8°C

Immunoassays | CLIA

Description	Method	Cat No.	Size	Storage
HBsAb	CLIA	BXL0104A	100 T/Kit	2-8°C
HBsAg	CLIA	BXL0103A	100 T/Kit	2-8°C
HBsAg HQ	CLIA	BXL0111A	100 T/Kit	2-8°C
HBV PreS1	CLIA	BXL0114A	100 T/Kit	2-8°C
HCG Stat (HCG)	CLIA	BXL0194A	100 T/Kit	2-8°C
нсу Ар	CLIA	BXL0115A	100 T/Kit	2-8°C
HDV IgG	CLIA	BXL0119A	100 T/Kit	2-8°C
HDV IgM	CLIA	BXL0118A	100 T/Kit	2-8°C
HE4	CLIA	BXL0143A	100 T/Kit	2-8°C
HEV IgG	CLIA	BXL0121A	100 T/Kit	2-8°C
HEV IgM	CLIA	BXL0120A	100 T/Kit	2-8°C
H-FABP	CLIA	BXL0165A	100 T/Kit	2-8°C
HIV Ag/Ab	CLIA	BXL0116A	100 T/Kit	2-8°C
Hs-CRP	CLIA	BXL0163A	100 T/Kit	2-8°C
Hs-cTnT STAT	CLIA	BXL0171A	100 T/Kit	2-8°C
Human Growth Hormone (hGH)	CLIA	BXL0196A	100 T/Kit	2-8°C
IL-6	CLIA	BXL0176A	100 T/Kit	2-8°C
IL-6 Stat	CLIA	BXL0179A	100 T/Kit	2-8°C
Insulin	CLIA	BXL0173A	100 T/Kit	2-8°C
іртн	CLIA	BXL0198A	100 T/Kit	2-8°C
Leutinising Hormone (LH)	CLIA	BXL0186A	100 T/Kit	2-8°C
LN	CLIA	BXL0184A	100 T/Kit	2-8°C
Lp-PLA2	CLIA	BXL0166A	100 T/Kit	2-8°C
Муо	CLIA	BXL0162A	100 T/Kit	2-8°C
Myo Stat	CLIA	BXL0169A	100 T/Kit	2-8°C
NGAL	CLIA	BXL0180A	100 T/Kit	2-8°C
NSE	CLIA	BXL0141A	100 T/Kit	2-8°C
NT-proBNP	CLIA	BXL0164A	100 T/Kit	2-8°C
NT-proBNP Stat	CLIA	BXL0168A	100 T/Kit	2-8°C
РСТ	CLIA	BXL0175A	100 T/Kit	2-8°C
PCT Stat	CLIA	BXL0178A	100 T/Kit	2-8°C
PGI	CLIA	BXL0145A	100 T/Kit	2-8°C
PGII	CLIA	BXL0146A	100 T/Kit	2-8°C
PIIINP	CLIA	BXL0182A	100 T/Kit	2-8°C
Prog Stat	CLIA	BXL0195A	100 T/Kit	2-8°C
Progesterone	CLIA	BXL0193A	100 T/Kit	2-8°C
ProGRP	CLIA	BXL0147A	100 T/Kit	2-8°C
Prolactin (PRL)	CLIA	BXL0188A	100 T/Kit	2-8°C
PTS (Pre-Trigger Solution)	CLIA	BXL0202A	200ml/bottle	2-8°C
Reaction Cuvettes (Bulk)	CLIA	BXL0205A	1000pcs/bag	2-8°C
Reaction Cuvettes (Fully-loaded)	CLIA	BXL0207A	96pcs*5levels*4sets/box	2-8°C
SAA	CLIA	BXL0177A	100 T/Kit	2-8°C
SARS-CoV-2 Ab	CLIA	BXL0126A	100 T/Kit	2-8°C
SARS-CoV-2 lgG	CLIA	BXL0127A	100 T/Kit	2-8°C
SARS-CoV-2 IgM	CLIA	BXL0128A	100 T/Kit	2-8°C
scc	CLIA	BXL0142A	100 T/Kit	2-8°C
T-Beta-HCG	CLIA	BXL0189A	100 T/Kit	2-8°C
Testosterone	CLIA	BXL0192A	100 T/Kit	2-8°C

ELISA | Immunoassays

Description	Method	Cat No.	Size	Storage
тс	CLIA	BXL0157A	100 T/Kit	2-8°C
TG-Ab	CLIA	BXL0155A	100 T/Kit	2-8°C
Thyroid Stimulating Hormone (TSH)	CLIA	BXL0152A	100 T/Kit	2-8°C
Total PSA (t-PSA)	CLIA	BXL0132A	100 T/Kit	2-8°C
Total-T3 (TT3)	CLIA	BXL0150A	100 T/Kit	2-8°C
Total-T4 (TT4)	CLIA	BXL0151A	100 T/Kit	2-8°C
ТР АЬ	CLIA	BXL0117A	100 T/Kit	2-8°C
TPO-Ab	CLIA	BXL0156A	100 T/Kit	2-8°C
TRAb	CLIA	BXL0158A	100 T/Kit	2-8°C
TS (Trigger Solution)	CLIA	BXL0203A	200ml/bottle	2-8°C
Tuberculosis (TB)	CLIA	BXL0125A	20 T/Kit	2-8°C
Vitamin-D (25-OH-VD)	CLIA	BXL0199A	100 T/Kit	2-8°C

## ELISA (Enzyme-Linked Immunosorbent Assay)

Enzyme-Linked Immunosorbent Assay (ELISA) is a widely used technique in diagnostics for detecting and quantifying specific proteins, antibodies, or antigens in a sample. It plays a crucial role in diagnosing infections, monitoring disease progression, and assessing immune responses.

ELISA works by using enzyme-linked antibodies to bind to target molecules, generating a measurable signal, typically color change, that indicates the presence and concentration of the target. The significance of ELISA lies in its high sensitivity, allowing the detection of very low concentrations of biomolecules, and its specificity, which is achieved through the use of highly specific antigen-antibody interactions. Its versatility comes from the ability to adapt the assay to detect various types of molecules, including hormones, peptides, proteins, and pathogens. ELISA is widely used in diagnostic tests for detecting infectious diseases like HIV, Hepatitis, and COVID-19, as well as in immunological studies to quantify cytokines, antibodies, or antigens, making it invaluable in both clinical and research settings.

### **Key Features & Benefits**

ELISA (Enzyme-Linked Immunosorbent Assay) offers several benefits that make it a widely used technique in various fields, including medical diagnostics, research, and biotechnology:



**High Sensitivity:** ELISA can detect target substances at very low concentrations. This is crucial for detecting trace amounts of analytes.



Quantitative and Qualitative Analysis: By measuring the intensity of the signal produced, ELISA allows for accurate quantification of the target substance in the sample.



**High Throughput:** ELISA can be performed in multiwell plates, allowing for the simultaneous analysis of multiple samples.



**Stability:** ELISA reagents, particularly antibodies and enzyme conjugates, are generally stable when stored properly.





# High Performance ELISA Kits

Category	Description	Range	Incubation Time	Sensitivity
Allergy	lgE	0-400 IU/ml	30 + 30 + 15 min	1.00 IIU/ml
Anaemia	Ferritin	1 -50,000 ng/ml	30 + 30 + 15 min	1 ng/ml
Autoimmune	Anti-TG	25.2 - 124.7 IU/ml	60 + 30 + 15 min	1.94 IU/ml
	Anti-TPO	10.8 - 39.2 IU/ml	60 + 30 + 15 min	0.92 IU/ml
Cardiac Markers	CRP (High Sensetivity)	0.014 - 5,000 ug/ml	15 + 15 min	0.014 ug/ml
	Digoxin	0-4 ng/ml	30 + 15 min	0.072 ng/ml
	Troponin-I	0.05-10,000 ng/ml	15 + 15 min	0.05 ng/ml
Diabetes	C-Peptide	0 - 0.82 ng/ml	120 + 15 min	0.02 ng/ml
	Insulin	0-300 µlU/ml	120 + 15 min	0.75 uIU/ml
Fertility & Prenatal	LH	0.0 - 200 mIU/ml	60 + 15 min	0.8 mIU/ml
	FSH	0.0 - 100 mg/dL	60 + 15 min	0.8 mIU/ml
	Prolactin	0.0 - 100 ng/ml	60 + 15 min	0.8 ng/ml
Growth Deficiency	HGH	0-150 U/ml	60 + 15 min	0.025 uIU/ml
Maternal Screening	Down's Syndrome	e screening (during first trime	ster of pregnancy 9th - 13th we	ek)
	PAPP-A	0.120- 320 ug/ml	30 + 30 + 20 min	0.12 ug/ml
	Free Beta-hCG	0-200 ng/dl	30 + 30 + 20 min	0.05 ng/ml
	Total hCG	0-250 mlU/ml	60 + 15 min	0.02 mIU/ml
	Down's Syndrome s	creening (during second trime	ester of pregnancy 14th - 24th w	eek).
	AFP	0.025 -10.000 ng/ml	60 + 15 min	, 0.025 ng/ml
	Unconiugated Estriol (uE3)	0-30 ng/ml	60 + 15 min	2.9 pg/T
	Free-beta-hCG	0-200 na/dl	30 + 30+ 20 min	0.05 na/ml
	Inhibin-A	0-1000 pa/ml	180 + 60+ 15 min	5.0 pg/ml
Steroid Panel	Progesterone	0.0 - 60.0 IU/ml	60 + 15 min	0.105 ng/ml
	Testosterone	0.0 - 12.0 mg/ml	60 + 15 min	0.038 ng/ml
	Estradiol	0.0 - 3000 IU/ml	60 + 15 min	6.5 pg/ml
	Free testosterone	0-34 pg/ml	60 + 15 min	0.02 pg/ml
	DHEA-S	0 0 - 8 0 ma/ml	60 + 15 min	0.035 mg/ml
	17-Aplha-OH Progesterone	0.0 - 10.0 ng/ml	60 + 15 min	0.03 ng/ml
	Cortisol	0.0 - 50.0 mg/dl	60 + 15 min	0.25 mg/dl
Thyroid & Adrenal	ТЗ	0.0 - 7.5 ng/ml	60 + 15 min	0.04 na/ml
	T4	0.0 - 25 mg/dl	60 + 15 min	0.4 ma/dL
	TSH	0.0 - 40 mlU/ml	60 + 15 min	0.078 mlU/ml
	FT3	0.0 - 16 pg/ml	60 + 15 min	0.05 pg/ml
	FT4	0.0 - 2.7 pg/ml	60 + 15 min	0.05 ng/dL
	TG	0.0 - 2000 IU/ml	60 + 15 min	5.0 IU/ml dL
	TPO	0.0 - 500 JU/ml	60 + 15 min	1.5 IU/ml
	T3-Untake	18.0 - 47.0%	60 + 15 min	-
	NT4	0.0 - 25 mg/dl	16 - 20 Hours	0.5 ma/dl
	NTSH	0.0 - 250 mll l/ml	16 - 20 Hours	
Tumour Markers	AFP	0.025 -10.000 pg/ml	60 + 15 min	0.025 pg/ml
	CA 15 3	0-400 U/ml	60 + 60 + 20 min	0.2 LI/ml
	CA 13.5	0-400 U/ml	$60 \pm 15$ min	1.1/ml
	CA 123	0-500 U/ml	60 + 15 min	1 U/ml
	CA 13.3			
		0.025 - 60,000 ng/ml		
		0 - 10 ng/ml	ou + 15 min	0.052 ng/ml
Mitamia D	rsa Vitaria D		50 + 15 min	
Vildillill-D	vildilill-D	บ - เวบ iig/mi	10 + 30 + 30 min	v.o ng/mi



Description	Method	Cat No.	Size	Storage
17-Alpha-OH Progesterone	ELISA	BXE0996A	96Т	2-8°C
AFP	ELISA	BXE0801A	96Т	2-8°C
AFP	ELISA	BXE0801B	192T	2-8°C
Anti-HBc	ELISA	BXE0761A	96T	2-8°C
Anti-HBe	ELISA	BXE0772A	96T	2-8°C
Anti-HBs (Quantitative)	ELISA	BXE0752A	96T	2-8°C
Anti-Mullerian Hormone (AMH)	ELISA	BXE0999A	96T	2-8°C
Anti-Mullerian Hormone (AMH) BC	ELISA	BXE0989A	96T	2-8°C
Anti-Tg	ELISA	BXE0895A	96T	2-8°C
Anti-TPO	ELISA	BXE0896A	96T	2-8°C
CA125	ELISA	BXE0821A	96T	2-8°C
CA15-3	ELISA	BXE0881A	96T	2-8°C
CA19.9	ELISA	BXE0841A	96T	2-8°C
CEA	ELISA	BXE0811A	96T	2-8°C
Cortisol	ELISA	BXE0831A	96T	2-8°C
COVID-19 lgM Antibody	ELISA	BXE0883A	96T	2-8°C
COVID-19 Neutralising Antibody	ELISA	BXE0885A	96T	2-8°C
COVID-19 Total Antibody	ELISA	BXE0882A	96Т	2-8°C
C-Peptide	ELISA	BXE0616A	96T	2-8°C
CRP (High Sensitivity)	ELISA	BXE0617A	96Т	2-8°C
Cytomegalo Virus (CMV) IgG	ELISA	BXE0880A	96T	2-8°C
Cytomegalo Virus (CMV) IgM	ELISA	BXE0890A	96T	2-8°C
Dengue IgG	ELISA	BXE0695A	96T	2-8°C
Dengue IgM	ELISA	BXE0696A	96Т	2-8°C
DHEA-S	ELISA	BXE0998A	96T	2-8°C
Digoxin	ELISA	BXE0992A	96T	2-8°C
Estradiol	ELISA	BXE0860A	96T	2-8°C
Estradiol	ELISA	BXE0860B	192T	2-8°C
Ferritin	ELISA	BXE0891A	96T	2-8°C
Folate	ELISA	BXE0892A	96Т	2-8°C
Free PSA	ELISA	BXE0861A	96T	2-8°C
Free Testosterone	ELISA	BXE0997A	96T	2-8°C
Free Beta-hCG	ELISA	BXE0872A	96T	2-8°C
FSH	ELISA	BXE0631A	96Т	2-8°C
FSH	ELISA	BXE0631B	192T	2-8°C
FSH	ELISA	BXE0631C	480T	2-8°C
FT3	ELISA	BXE0731A	96T	2-8°C
FT4	ELISA	BXE0721A	96T	2-8°C
HAV.IgG	ELISA	BXE0601A	96T	2-8°C
HAV.IgM	ELISA	BXE0602A	96Т	2-8°C
HBc.lgM	ELISA	BXE0603A	96T	2-8°C
HBeAg	ELISA	BXE0771A	96T	2-8°C
HbsAg	ELISA	BXE0741A	96T	2-8°C
HbsAg	ELISA	BXE0741B	192T	2-8°C
HbsAg	ELISA	BXE0741C	480T	2-8°C
HbsAg (High Sensitivity)	ELISA	BXE0742A	96Т	2-8°C
HbsAg (High Sensitivity)	ELISA	BXE0742B	192T	2-8°C

Immunoassays | ELISA

Description	Method	Cat No.	Size	Storage
HbsAg (High Sensitivity)	ELISA	BXE0742C	480T	2-8°C
HbsAg (High Sensitivity) with CE	ELISA	BXE0743A	96T	2-8°C
HbsAg (High Sensitivity) with CE	ELISA	BXE0743C	480T	2-8°C
hCG	ELISA	BXE0871A	96T	2-8°C
hCG	ELISA	BXE0871B	192T	2-8°C
hCG Rapid	ELISA	BXE0873A	96T	2-8°C
hCG Rapid	ELISA	BXE0873B	192T	2-8°C
hCG Rapid Extended Range	ELISA	BXE0874A	96T	2-8°C
hCG Rapid Extended Range	ELISA	BXE0874B	192T	2-8°C
нси	ELISA	BXE0781A	96T	2-8°C
нси	ELISA	BXE0781B	192T	2-8°C
нси	ELISA	BXE0781C	480T	2-8°C
HCV High Sensitivity with CE	ELISA	BXE0783A	96T	2-8°C
HCV High Sensitivity with CE	ELISA	BXE0783C	480T	2-8°C
HDV.Ag	ELISA	BXE0605A	96T	2-8°C
HDV.IgG	ELISA	BXE0606A	96T	2-8°C
HDV.IgM	ELISA	BXE0607A	96T	2-8°C
Helicobacter Pylori, IgA	ELISA	BXE0672A	96T	2-8°C
Helicobacter Pylori, IgG	ELISA	BXE0673A	96T	2-8°C
Helicobacter Pylori, IgM	ELISA	BXE0674A	96T	2-8°C
Herpes Simplex Virus (HSV-I/2), IgG	ELISA	BXE0621A	96T	2-8°C
Herpes Simplex Virus (HSV-I/2), IgM	ELISA	BXE0622A	96T	2-8°C
Herpes Simplex Virus-I (HSV-I), IgG	ELISA	BXE0611A	96T	2-8°C
Herpes Simplex Virus-II (HSV-II), IgG	ELISA	BXE0613A	96T	2-8°C
Herpes Simplex Virus-II (HSV-II), IgM	ELISA	BXE0614A	96T	2-8°C
HEV Ab	ELISA	BXE0745A	96T	2-8°C
HEV Ag	ELISA	BXE0903A	96T	2-8°C
HEV Ag Plus	ELISA	BXE0904A	96T	2-8°C
HEV IgG	ELISA	BXE0901A	96T	2-8°C
HEV IgM	ELISA	BXE0902A	96T	2-8°C
HGV.IgG	ELISA	BXE0608A	96T	2-8°C
HIV 1+2 3rd gen	ELISA	BXE0791A	96T	2-8°C
HIV 1+2 3rd gen	ELISA	BXE0791B	192T	2-8°C
HIV 1+2 3rd gen	ELISA	BXE0791C	480T	2-8°C
HIV 1+2 3rd Gen. (with CE)	ELISA	BXE0793A	96T	2-8°C
HIV 1+2 3rd Gen. (with CE)	ELISA	BXE0793C	480T	2-8°C
HIV Ag/Ab 4th gen	ELISA	BXE0792A	96T	2-8°C
HIV Ag/Ab 4th gen	ELISA	BXE0792B	192T	2-8°C
HIV Ag/Ab 4th gen. (with CE)	ELISA	BXE0794A	96T	2-8°C
HIV Ag/Ab 4th gen. (with CE)	ELISA	BXE0794C	480T	2-8°C
HTLV 1+2 ELISA	ELISA	BXE0910A	96T	2-8°C
Human Growth Hormone (HGH)	ELISA	BXE0991A	96T	2-8°C
IgE	ELISA	BXE0641A	96T	2-8°C
IL-6	ELISA	BXE0960A	96T	2-8°C
Inhibin-A	ELISA	BXE0615A	96T	2-8°C
Inhibin-B	ELISA	BXE0618A	96T	2-8°C
Insulin	ELISA	BXE0610A	96T	2-8°C
Leptin	ELISA	BXE0962A	96T	2-8°C
LH	ELISA	BXE0651A	96T	2-8°C

ELISA | Immunoassays

Description		Method	Cat No.	Size	Storage
LH		ELISA	BXE0651B	192T	2-8°C
LH		ELISA	BXE0651C	480T	2-8°C
Malaria		ELISA	BXE0691A	96T	2-8°C
МСМ5		ELISA	BXE0950A	96T	2-8°C
Myoglobin		ELISA	BXE0609A	96Т	2-8°C
Neonatal T4		ELISA	BXE0863A	96T	2-8°C
Neonatal TSH		ELISA	BXE0682A	96T	2-8°C
PAPP-A		ELISA	BXE0888A	96T	2-8°C
Patient Cards for NTSH & NT4	6 Specimen per Paper Card	ELISA	BXEPC100	Set of 100	2-8°C
Progesterone		ELISA	BXE0661A	96T	2-8°C
Progesterone		ELISA	BXE0661B	192T	2-8°C
Prolactin		ELISA	BXE0671A	96T	2-8°C
Prolactin		ELISA	BXE0671B	192T	2-8°C
Prolactin		ELISA	BXE0671C	480T	2-8°C
PSA		ELISA	BXE0851A	96T	2-8°C
PSA		ELISA	BXE0851B	192T	2-8°C
PSA (High Sensitivity)		ELISA	BXE0852A	96T	2-8°C
PSA (High Sensitivity)		ELISA	BXE0852B	192T	2-8°C
PTH Intact (Parthormone)		ELISA	BXE0684A	96T	2-8°C
Rubella, IgG		ELISA	BXE0685A	96T	2-8°C
Rubella, IgM		ELISA	BXE0686A	96T	2-8°C
Syphilis ELISA		ELISA	BXE0995A	96T	2-8°C
Syphilis ELISA		ELISA	BXE0995B	192T	2-8°C
Syphilis ELISA		ELISA	BXE0995C	480T	2-8°C
тз		ELISA	BXE0701A	96Т	2-8°C
тз		ELISA	BXE0701B	192T	2-8°C
тз		ELISA	BXE0701C	480T	2-8°C
T3 Streptavidin		ELISA	BXE0703A	96T	2-8°C
T3 Streptavidin		ELISA	BXE0703B	192T	2-8°C
T3-Uptake		ELISA	BXE0702A	96T	2-8°C
T3-Uptake		ELISA	BXE0702B	192T	2-8°C
Т4		ELISA	BXE0711A	96T	2-8°C
Т4		ELISA	BXE0711B	192T	2-8°C
Τ4		ELISA	BXE0711C	480T	2-8°C
T4 Streptavidin		ELISA	BXE0712A	96T	2-8°C
T4 Streptavidin		ELISA	BXE0712B	192T	2-8°C
Testosterone		ELISA	BXE0862A	96T	2-8°C
Testosterone		ELISA	BXE0862B	192T	2-8°C
Toxoplasma gondii, IgG		ELISA	BXE0689A	96T	2-8°C
Toxoplasma gondii, IgM		ELISA	BXE0690A	96T	2-8°C
Troponin-I		ELISA	BXE0864A	96T	2-8°C
тѕн		ELISA	BXE0681A	96T	2-8°C
тѕн		ELISA	BXE0681B	192T	2-8°C
тѕн		ELISA	BXE0681C	480T	2-8°C
TSH Rapid		ELISA	BXE0683A	96T	2-8°C
Unconjugated Estriol (UE3)		ELISA	BXE0865A	96T	2-8°C
Vitamin B12		ELISA	BXE0960A	96T	2-8°C
Vitamin-D (Blood Spots)		ELISA	BXE0113A	96T	2-8°C
Vitamin-D Fast (90 Min)	Liquid Stable (LS)	ELISA	BXE0111A	96T	2-8°C



Description		Method	Cat No.	Size	Storage
Vitamin-D Fast (90 Min)	Lyopholised (Lyo)	ELISA	BXE0112A	96T	2-8°C
Zinc		ELISA	BXE0462A	96T	2-8°C

#### TORCH

TORCH is an acronym used in medicine to refer to a group of infectious diseases that can cause significant health issues if contracted during pregnancy. Each letter in TORCH stands for a specific pathogen:

T: Toxoplasmosis, O: Other (which can include syphilis, varicella-zoster virus, parvovirus B19, etc.), R: Rubella, C: Cytomegalovirus (CMV), H: Herpes simplex virus (HSV)

The immunoassays used in TORCH Panel Tests typically involve ELISA (Enzyme-Linked Immunosorbent Assay) or CLIA (Chemiluminescence Immunoassay) techniques. These tests rely on the specific binding of antibodies in the patient's sample to antigens from the infectious agents. The presence and levels of these antibodies indicate whether the patient has been exposed to the respective pathogens.

TORCH panel tests play a significant role in prenatal screening, allowing healthcare providers to monitor and manage pregnancies effectively to minimise the risk of congenital infections and associated complications.

Description	Method	Cat No.	Size	Storage
Cytomegalo Virus (CMV) IgG	ELISA	BXE0880A	96T	2-8°C
Cytomegalo Virus (CMV) IgM	ELISA	BXE0890A	96T	2-8°C
Herpes Simplex Virus-I (HSV-I), IgG	ELISA	BXE0611A	96T	2-8°C
Herpes Simplex Virus-I (HSV-I), IgM	ELISA	BXE0612A	96T	2-8°C
Herpes Simplex Virus-II (HSV-II), IgG	ELISA	BXE0613A	96T	2-8°C
Herpes Simplex Virus-II (HSV-II), IgM	ELISA	BXE0614A	96T	2-8°C
Rubella, IgG	ELISA	BXE0685A	96T	2-8°C
Rubella, IgM	ELISA	BXE0686A	96T	2-8°C
Toxoplasma gondaii, IgG	ELISA	BXE0689A	96T	2-8°C
Toxoplasma gondaii, IgM	ELISA	BXE0690A	96T	2-8°C



## **Infectious Panel**

Infectious panel immunoassays are diagnostic tools designed to detect the presence of pathogens by identifying specific antibodies or antigens in a patient's sample. These tests are used to diagnose a wide range of infectious diseases caused by bacteria, viruses, fungi, or parasites.

The immunoassay works by employing antigen-antibody interactions, allowing for the precise identification of infection markers. These assays are commonly used in clinical settings to screen for diseases like HIV, hepatitis, and respiratory infections. They can be performed using various sample types, including blood, urine, and saliva, making them versatile for different diagnostic needs.

The effectiveness of infectious panel immunoassays lies in their ability to provide quick and reliable results, which are essential for early detection and treatment of infections. By grouping multiple tests into a single panel, healthcare providers can simultaneously check for several pathogens, increasing diagnostic efficiency. These panels are especially useful in screening populations, managing outbreaks, and monitoring disease progression. Additionally, advancements in immunoassay technology have improved their sensitivity and specificity, reducing the chances of false positives or negatives and enhancing patient care.

Description	Method	Cat No.	Size
Anti-HBc	ELISA	BXE0761A	96T
Anti-HBc	ELISA	BXE0761C	480T
Anti-HBe	ELISA	BXE0772A	96T
Anti-HBs (Quantitative)	ELISA	BXE0752A	96T
Anti-HBs (Quantitative)	ELISA	BXE0752C	480T
HAV.IgG	ELISA	BXE0601A	96T
HAV.IgM	ELISA	BXE0602A	96T
HBc.lgM	ELISA	BXE0603A	96T
HBeAg	ELISA	BXE0771A	96T
HbsAg	ELISA	BXE0741A	96T
HbsAg (High Sensitivity)	ELISA	BXE0742A	96T
нси	ELISA	BXE0781A	96T
HCV Ag-Ab	ELISA	BXE0781A	96T
HDV.Ag	ELISA	BXE0605A	96T
HDV.IgG	ELISA	BXE0606A	96T
HDV.IgM	ELISA	BXE0607A	96T
Helicobacter Pylori, IgA	ELISA	BXE0672A	96T
Helicobacter Pylori, IgG	ELISA	BXE0673A	96T
Helicobacter Pylori, IgM	ELISA	BXE0674A	96T
HEV Ab	ELISA	BXE0745A	96T
HEV Ag	ELISA	BXE0903A	96T
HEV IgG	ELISA	BXE0901A	96T
HEV IgM	ELISA	BXE0902A	96T
HGV.IgG	ELISA	BXE0608A	96T
HIV 1+2 3rd gen	ELISA	BXE0791A	96T
HIV Ag/Ab 4th gen	ELISA	BXE0792A	96T
HTLV 1+2 ELISA	ELISA	BXE0910A	96T



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