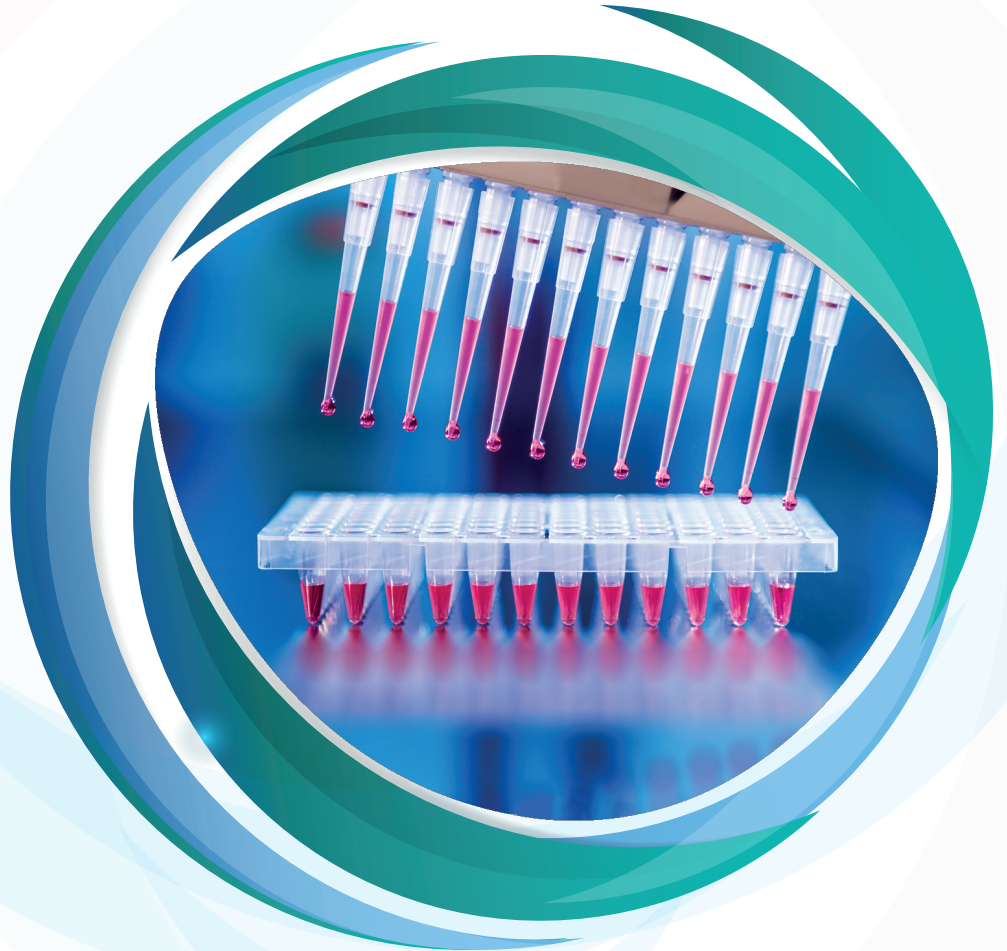


Fortress
Diagnostics



IMMUNOASSAYS & CLIA

Manufacturers of high quality ELISA kits including routine, CLIA, torch and infectious ELISA range

HIGH PERFORMANCE ELISA KITS

ALLERGY

ELISA KIT	RANGE	INCUBATION TIME	SENSITIVITY
IgE	0-400 IU/ml	30 + 30 + 15 min	1.00 IU/ml

ANAEMIA

ELISA KIT	RANGE	INCUBATION TIME	SENSITIVITY
Ferritin	1 -50,000 ng/ml	30 + 30 + 15 min	1 ng/ml

AUTOIMMUNE

ELISA KIT	RANGE	INCUBATION TIME	SENSITIVITY
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

ELISA KIT	RANGE	INCUBATION TIME	SENSITIVITY
CRP (High Sensitivity)	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

ELISA KIT	RANGE	INCUBATION TIME	SENSITIVITY
C-Peptide	0 - 0.82 ng/ml	120 + 15 min	0.02 ng/ml
Insulin	0-300 µIU/ml	120 + 15 min	0.75 uIU/ml

FERTILITY & PRENATAL

ELISA KIT	RANGE	INCUBATION TIME	SENSITIVITY
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

ELISA KIT	RANGE	INCUBATION TIME	SENSITIVITY
HGH	0-150 U/ml	60 + 15 min	0.025 uIU/ml

MATERNAL SCREENING

Down's Syndrome screening (during first trimester of pregnancy 9th - 13th week).

ELISA KIT	RANGE	INCUBATION TIME	SENSITIVITY
PAPP-A	0.120- 320 ug/ml	30 + 30 + 20 min	0.12 ug/ml
Free β-hCG	0-200 ng/dl	30 + 30 + 20 min	0.05 ng/ml
Total hCG	0-250 mIU/ml	60 + 15 min	0.02 mIU/ml

Down's Syndrome screening (during second trimester of pregnancy 14th - 24th week).

ELISA KIT	RANGE	INCUBATION TIME	SENSITIVITY
AFP	0.025 -10,000 ng/ml	60 + 15 min	0.025 ng/ml
Unconjugated Estriol (uE3)	0-30 ng/ml	60 + 15 min	2.9 pg/T
Free β-hCG	0-200 ng/dl	30 + 30 + 20 min	0.05 ng/ml
Inhibin-A	0-1000 pg/ml	180 + 60 + 15 min	5.0 pg/ml

STEROID PANEL

ELISA KIT	RANGE	INCUBATION TIME	SENSITIVITY
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 mg/ml	60 + 15 min	0.035 mg/ml
17 α -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

ELISA KIT	RANGE	INCUBATION TIME	SENSITIVITY
T3	0.0 - 7.5 ng/ml	60 + 15 min	0.04 ng/ml
T4	0.0 - 25 mg/dl	60 + 15 min	0.4 mg/dL
TSH	0.0 - 40 mIU/ml	60 + 15 min	0.078 mIU/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 IU/ml	60 + 15 min	1.5 IU/ml
T3-Uptake	18.0 - 47.0%	60 + 15 min	-
NT4	0.0 - 25 mg/dL	16 - 20 Hours	0.5 mg/dL
NTSH	0.0 - 250 mIU/ml	16 - 20 Hours	1.0 mIU/ml

TUMOUR MARKERS

ELISA KIT	RANGE	INCUBATION TIME	SENSITIVITY
AFP	0.025 - 10,000 ng/ml	60 + 15 min	0.025 ng/ml
CA 15.3	0-400 U/ml	60 + 60 + 20 min	0.2 U/ml
CA 125	0-400 IU/ml	60 + 15 min	1 U/ml
CA 19.9	0-500 U/ml	60 + 15 min	1 U/ml
CEA	0.025 - 60,000 ng/ml	60 + 15 min	0.025 ng/ml
fPSA	0 - 10 ng/ml	60 + 15 min	0.052 ng/ml
PSA	0 - 100 ng/dl	30 + 15 min	0.012 ng/ml

VITAMIN-D

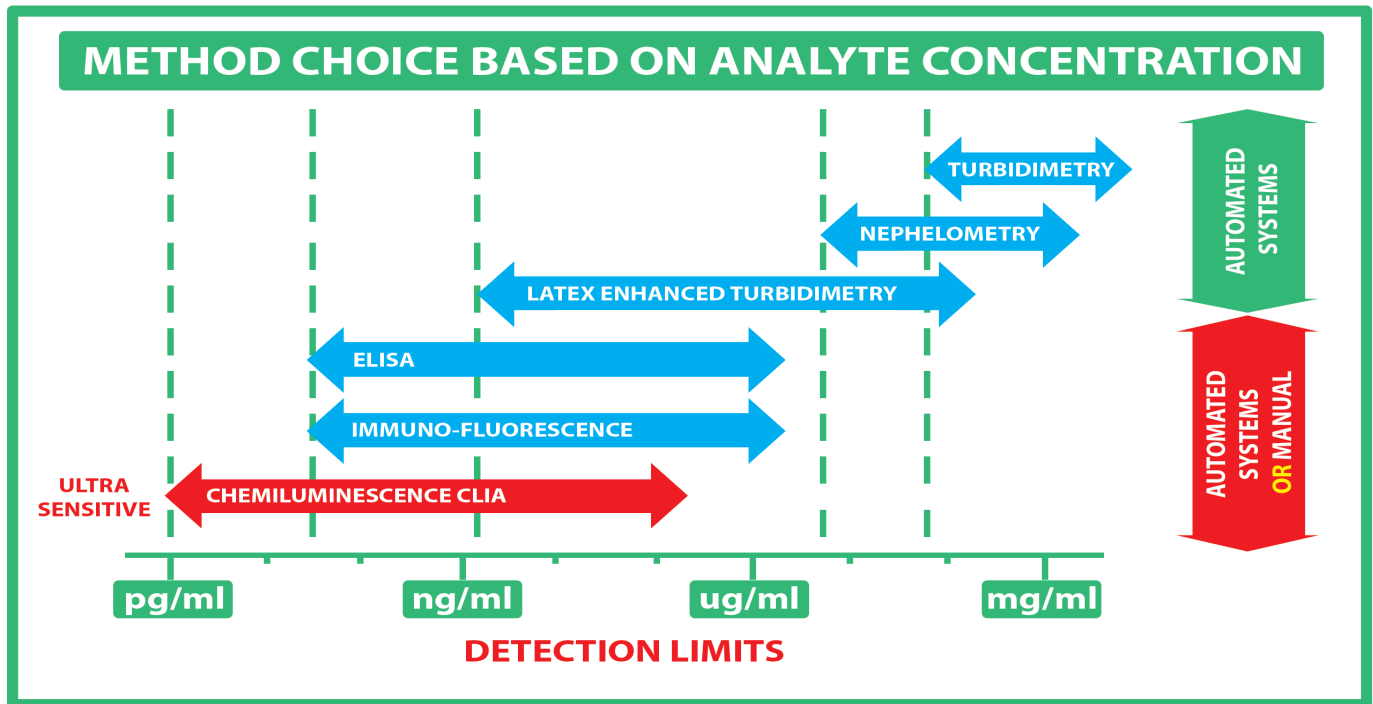
ELISA KIT	RANGE	INCUBATION TIME	SENSITIVITY
Vitamin-D	0 - 150 ng/ml	90 + 30 + 30 min	0.6 ng/ml

CAT NO	DESCRIPTION	METHOD	SIZE
BXE0996A	17α-OH Progesterone	ELISA	96T
BXE0801A	AFP	ELISA	96T
BXE0999A	Anti-Mullerian Hormone (AMH)	ELISA	96T
BXE0895A	Anti-Tg	ELISA	96T
BXE0896A	Anti-TPO	ELISA	96T
BXE0821A	CA125	ELISA	96T
BXE0881A	CA15-3	ELISA	96T
BXE0841A	CA19.9	ELISA	96T
BXE0811A	CEA	ELISA	96T
BXE0831A	Cortisol	ELISA	96T
BXE0616A	C-Peptide	ELISA	96T
BXE0617A	CRP (High Sensitivity)	ELISA	96T
BXE0998A	DHEA-S	ELISA	96T
BXE0992A	Digoxin	ELISA	96T
BXE0860A	Estradiol	ELISA	96T
BXE0891A	Ferritin	ELISA	96T
BXE0892A	Folate	ELISA	96T
BXE0861A	Free PSA	ELISA	96T
BXE0997A	Free Testosterone	ELISA	96T
BXE0872A	Free βhCG	ELISA	96T
BXE0631A	FSH	ELISA	96T
BXE0731A	FT3	ELISA	96T
BXE0721A	FT4	ELISA	96T
BXE0871A	hCG	ELISA	96T
BXE0873A	HCG Rapid	ELISA	96T
BXE0991A	Human Growth Hormone (HGH)	ELISA	96T
BXE0641A	IgE	ELISA	96T
BXE0615A	Inhibin-A	ELISA	96T
BXE0618A	Inhibin-B	ELISA	96T
BXE0610A	Insulin	ELISA	96T
BXE0651A	LH	ELISA	96T
BXE0691A	Malaria	ELISA	96T
BXE0609A	Myoglobin	ELISA	96T
BXE0863A	Neonatal T4	ELISA	96T
BXE0682A	Neonatal TSH	ELISA	96T
BXE0888A	PAPP-A	ELISA	96T
BXE0661A	Progesterone	ELISA	96T
BXE0671A	Prolactin	ELISA	96T
BXE0851A	PSA	ELISA	96T
BXE0701A	T3	ELISA	96T
BXE0703A	T3 STREPTAVIDIN	ELISA	96T
BXE0702A	T3-Uptake	ELISA	96T
BXE0711A	T4	ELISA	96T
BXE0712A	T4 STREPTAVIDIN	ELISA	96T
BXE0862A	Testosterone	ELISA	96T
BXE0864A	Troponin-I	ELISA	96T
BXE0681A	TSH	ELISA	96T
BXE0865A	Unconjugated Estriol	ELISA	96T
BXE0112A	Vitamin-D (90 min)	ELISA	96T
BXE0113A	Vitamin-D (2nd Gen)	ELISA	96T
BXE0960A	Vitamin B12	ELISA	96T
BXE0462A	Zinc	ELISA	96T

CLIA - CHEMILUMINESCENCE IMMUNOASSAY

CHEMILUMINESCENCE ADVANTAGES

- Most sensitive method over all other immunoassay technologies.
- At least 10 times greater detection system.
- Low background (High signal to noise ratio).
- Higher Linearity.
- Faster Incubation hence reduced assay time.
- No protein quenching problem as in fluorescence.



CLIA Pro (Strip Reader)

- Semi-automatic
- Automatic strip reader.
- Built in reference assures continuous calibration.
- Sensitivity/Detection Limit: HRP 1×10^{-18} moles.
- ALP 1×10^{-21} moles.
- Linear Dynamic Range: 106 RLU.
- Cross talk: Less than 2.5×10^{-4} .
- Detector: Photomultiplier (PMT).
- Spectral Response Range: 300 – 650nm.
- Peak Wavelength: 400nm.
- Detection Mode: Glow Luminescence.
- On-board printer.



CLIA Plus (Plate Reader)

- Semi-automated.
- Automatic plate reader.
- Vessel: 96 Wells in strip tray or plate.
- Detection Mode: Glow Luminescence.
- Sensitivity/Detection Limit: HRP 1×10^{-18} moles.
- ALP 1×10^{-21} moles.
- Linear Dynamic Range: 106 RLU.
- Cross talk: Less than 2.5×10^{-4} .
- Detector: Photomultiplier (PMT).
- Spectral Response Range: 300 – 650nm.
- Peak Wavelength: 400nm.
- Detection Mode: Glow Luminescence.
- PC Connection: USB.



CLIA - ORDERING INFORMATION

CAT NO	DESCRIPTION	METHOD	SIZE
BXL0802A	AFP (ALPHA-FETO PROTEIN)	Chemiluminescence	96T
BXL0822A	CA125	Chemiluminescence	96T
BXL0842A	CA19.9	Chemiluminescence	96T
BXL0838A	CA 15-3	Chemiluminescence	96T
BXL0812A	CEA	Chemiluminescence	96T
BXL0892A	Ferritin	Chemiluminescence	96T
BXL0861A	Free PSA	Chemiluminescence	96T
BXL0872A	hCG	Chemiluminescence	96T
BXL0860A	Estradiol	Chemiluminescence	96T
BXL0873A	Free β hCG	Chemiluminescence	96T
BXL0632A	FSH	Chemiluminescence	96T
BXL0632B	FSH	Chemiluminescence	192T
BXL0732A	FT3	Chemiluminescence	96T
BXL0732B	FT3	Chemiluminescence	192T
BXL0722A	FT4	Chemiluminescence	96T
BXL0722B	FT4	Chemiluminescence	192T
BXL0652A	LH	Chemiluminescence	96T
BXL0652B	LH	Chemiluminescence	192T
BXL0888A	PAPP-A	Chemiluminescence	96T
BXL0672A	Prolactin	Chemiluminescence	96T
BXL0672B	Prolactin	Chemiluminescence	192T
BXL0661A	Progesterone	Chemiluminescence	96T
BXL0852A	PSA	Chemiluminescence	96T
BXL0702A	T3	Chemiluminescence	96T
BXL0702B	T3	Chemiluminescence	192T
BXL0712A	T4	Chemiluminescence	96T
BXL0712B	T4	Chemiluminescence	192T
BXL0682A	TSH	Chemiluminescence	96T
BXL0682B	TSH	Chemiluminescence	192T
BXL0862A	Testosterone	Chemiluminescence	96T
BXL0112A	Vitamin-D	Chemiluminescence	96T

HEV IgG, HEV IgM

MOST SPECIFIC CE MARKED INFECTIOUS ELISA RANGE

- Actively used by most European Centres for Disease control.
- Excellent Patient Correlation.
- CE Marked.



INFECTIOUS PANEL - ORDERING INFORMATION

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

TORCH PANEL - ORDERING INFORMATION

CAT NO	DESCRIPTION	METHOD	SIZE
BXE0880A	Cytomegalo Virus (CMV) IgG	ELISA	96T
BXE0890A	Cytomegalo Virus (CMV) IgM	ELISA	96T
BXE0611A	Herpes Simplex Virus-I (HSV-I), IgG	ELISA	96T
BXE0612A	Herpes Simplex Virus-I (HSV-I), IgM	ELISA	96T
BXE0613A	Herpes Simplex Virus-II (HSV-II), IgG	ELISA	96T
BXE0614A	Herpes Simplex Virus-II (HSV-II), IgM	ELISA	96T
BXE0685A	Rubella, IgG	ELISA	96T
BXE0686A	Rubella, IgM	ELISA	96T
BXE0689A	Toxoplasma gondaii, IgG	ELISA	96T
BXE0690A	Toxoplasma gondaii, IgM	ELISA	96T

CE MARKED INFECTIOUS SCREENING ELISA

ANTI-HCV, ANTI-HIV 1+2, ANTI-HIV 4TH GEN, HBsAg (HS)

MOST SPECIFIC CE MARKED INFECTIOUS ELISA RANGE

- Specificity **99.97%**.
- Sensitivity **99.99%**.
- Assay Duration **75 min.**



ORDERING INFORMATION:

CAT NO	DESCRIPTION	METHOD	SIZE
BXE0783A	HCV (High Sensitivity) with CE	ELISA	96T
BXE0783C	HCV (High Sensitivity) with CE	ELISA	480T
BXE0793A	HIV 1+2 with CE	ELISA	96T
BXE0793C	HIV 1+2 with CE	ELISA	480T
BXE0794A	HIV 4th Gen Ag/Ab with CE	ELISA	96T
BXE0794C	HIV 4th Gen Ag/Ab with CE	ELISA	480T
BXE0743A	HbsAg (High Sensitivity) with CE	ELISA	96T
BXE0743C	HbsAg (High Sensitivity) with CE	ELISA	480T
BXE0995A	Syphilis with CE	ELISA	96T
BXE0995C	Syphilis with CE	ELISA	480T

FOR A WIDER RANGE OF QUALITY CONTROLS (SEE SEPARATE QC BROCHURE)



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