

Athenese-Dx Pvt. Ltd. is an ISO 13485 : 2003 certified company located in Chennai, with well equipped R&D, manufacturing and quality control departments to meet good manufacturing practices to assure high quality products.

We manufacture indigenous, highly stable, liquid based reagents by the brand name TRUEchemie.

TRUEchemie kits are suitable for both semi automated fully automated analysers. We have a strong Technical and highly experienced Sales Team spread throughout India and distributor network all over the country.

Our **Core Value** is to achieve a high level of customer satisfaction, by providing high quality products at affordable prices and by incorporating **Integrity, Commitment and Service** into all aspects of our business ethics.



Diabetic Profile

Parameter	Mode	Kit Contents	Method	Sample	Reagent Vol	Sample Vol	Time*	WaveLength	LDL	Linearity	Shelf Life
Glucose	Endpoint	R+STD	GOD-POD	S/P/CSF	1.000 mL	0.010 mL	10 min	505 nm	0.800 mg/dL	600 mg/dL	24 M

Pancreatic Profile

Parameter	Mode	Kit Contents	Method	Sample	Reagent Vol	Sample Vol	Time*	WaveLength	LDL	Linearity	Shelf Life
Alpha amylase	Kinetic	R	CNPG3	S/P	1.000 mL	0.025 mL	NA	405 nm	2.000 U/L	2000 U/L	24 M
Lipase	Fixed Time	R1+R2	IFCC	S/P	0.800 mL+0.200 mL	0.010 mL	60/60 sec	580 nm	1.25 U/L	250 IU/L	18 M

Lipid Profile

Parameter	Mode	Kit Contents	Method	Sample	Reagent Vol	Sample Vol	Time*	WaveLength	LDL	Linearity	Shelf Life
Cholesterol	Endpoint	R+STD	CHOD-POD	S/P	1.000 mL	0.010 mL	5 min	505 nm	0.001 mg/dL	700 mg/dL	24 M
Triglycerides	Endpoint	R+STD	GPO-POD	S/P	1.000 mL	0.010 mL	5 min	505 nm	0.218 mg/dL	1000 mg/dL	24 M
HDL Cholesterol PPT	Endpoint	R+STD	DEXTRAN SULPHATE-MG(II)	S/P	1.000 mL	0.010 mL	5 min	505 nm	2.500 mg/dL	250 mg/dL	24 M
DHDL Cholesterol	Endpoint	R1+R2+CAL	POLYMER-DETERGENT	S/P	0.750 mL+0.250 mL	0.010 mL	5+5 min	600 nm	2.500 mg/dL	200 mg/dL	18 M
DLDL Cholesterol	Fixed Time	R1+R2+CAL	POLYMER-DETERGENT	S/P	0.750 mL+0.250 mL	0.010 mL	300/300 sec	600 nm	5.000 mg/dL	500 mg/dL	18 M

Cardiac Profile

Parameter	Mode	Kit Contents	Method	Sample	Reagent Vol	Sample Vol	Time*	WaveLength	LDL	Linearity	Shelf Life
LDH-L	Kinetic	R1+R2	IFCC	S	1.000 mL+0.200 mL	0.025 mL	60/120 sec	340 nm	3.4 U/L	1000 U/L	24 M
CK NAC	Kinetic	R1+R2	IFCC	S	0.800 mL+0.200 mL	0.025 mL	120/240 sec	340 nm	5 U/L	1200 U/L	18 M
CK MB	Kinetic	R1+R2	IFCC	S/P	0.800 mL+0.200 mL	0.040 mL	180/300 sec	340 nm	1.9 U/L	1000 U/L	18 M

Renal Profile

Parameter	Mode	Kit Contents	Method	Sample	Reagent Vol	Sample Vol	Time*	WaveLength	LDL	Linearity	Shelf Life
Creatinine (1R)	Fixed Time	R+STD	MODIFIED JAFFE	S/P/U	1.000 mL	0.100 mL	30/90 sec	520 nm	0.05 mg/dL	20 mg/dL	24 M
Creatinine (2R)	Fixed Time	R1+R2+STD	MODIFIED JAFFE	S/P/U	0.500 mL+0.500 mL	0.050 mL	30/90 sec	520 nm	0.05 mg/dL	25 mg/dL	24 M
Creatinine (3R)	Endpoint	R1+R2+R3+STD	MODIFIED JAFFE	S/P/U	0.500 mL+0.500 mL+0.050 mL	0.100 mL	5+5 min	520 nm	0.05 mg/dL	25 mg/dL	24 M
Urea (UV)	Fixed Time	R1+R2+STD	GLDH - UREASE	S/P/U	0.800 mL+0.200 mL	0.010 mL	30/60 sec	340 nm	1.20 mg/dL	300 mg/dL	24 M
Urea	Endpoint	R1+R1A+R2+STD	BERTHELOT	S/P/U	1.000 mL+1.000 mL	0.010 mL	3+5 min	578 nm	2.50 mg/dL	400 mg/dL	24 M
Uric acid	Endpoint	R+STD	URICASE - POD	S/P/U	1.000 mL	0.025 mL	10 min	520 nm	0.03 mg/dL	25 mg/dL	18 M
Micro / CSF Protein	Endpoint	R+STD	PYROGALLOL RED	U/CSF	1.000 mL	0.020 mL	3 min	630 nm	2.50 mg/dL	250 mg/dL	24 M

STD - Standard; NA - Not Applicable; Cal - Calibrator; LDL - Lower Detection Limit; S - Serum; P - Plasma; U - Urine; CSF - Cerebrospinal fluid; RT - Room Temperature; NC - Negative Control; PC - Positive Control;

U/L - Units/Litre; mL - Millilitre; g/dL - Grams per decilitre; µL - Microlitre; mmol/L - Milli moles per litre; mg/dL - Milli grams per decilitre; R - Reagent; R1 - Reagent 1; R2 - Reagent 2; R3 - Reagent 3; WB - Whole Blood

Liver Profile

Parameter	Mode	Kit Contents	Method	Sample	Reagent Vol	Sample Vol	Time*	WaveLength	LDL	Linearity	Shelf Life
Bilirubin – TOTAL	D.Endpoint	R1+R2	DIAZO SULFANILIC	S	0.800 mL+0.200 mL	0.100 mL	2 min RT	546 nm	NA	25 mg/dL	30 M
Bilirubin – DIRECT	D.Endpoint	R1+R2	DIAZO SULFANILIC	S	0.800 mL+0.200 mL	0.100 mL	5 min RT	546 nm	NA	25 mg/dL	30 M
GGT	Kinetic	R1+R2	IFCC	S/P	0.800 mL+0.200 mL	0.100 mL	60/180	405 nm	NA	500 U/L	18 M
ALP	Kinetic	R	IFCC	S/P	1.000 mL	0.025 mL	30/180	405 nm	NA	650 U/L	18 M
ALT (SGPT)	Kinetic	R1+R2	IFCC	S/P	0.800 mL+0.200 mL	0.100 mL	60/180	340 nm	1.80 U/L	500 U/L	24 M
AST (SGOT)	Kinetic	R1+R2	IFCC	S/P	0.800 mL+0.200 mL	0.100 mL	60/180	340 nm	2.65 U/L	500 U/L	18 M
Albumin	Endpoint	R+STD	BCG	S/P	1.000 mL	0.010 mL	3 min	630 nm	0.130 g/dL	7.5 g/dL	24 M
Total Proteins	Endpoint	R+STD	BIURET	S/P	1.000 mL	0.010 mL	3 min	545 nm	0.150 g/dL	14 g/dL	24 M

Electrolytes Profile

Parameter	Mode	Kit Contents	Method	Sample	Reagent Vol	Sample Vol	Time*	WaveLength	LDL	Linearity	Shelf Life
Calcium	Endpoint	R+STD	ARSENAZO III	S/P/U	1.000 mL	0.010 mL	3 min RT	630 nm	0.85 mg/dL	25 mg/dL	24 M
Chloride	Endpoint	R+STD	THIOCYANATE	S/CSF/U	1.000 mL	0.010 mL	5 min RT	510 nm	2.10 mmol/L	150 mmol/L	24 M
Potassium	Endpoint	R+STD	COLORIMETRIC	S	1.000 mL	0.050 mL	5 min RT	620 nm	0.14 mmol/L	8.5 mmol/L	24 M
Sodium	Endpoint	R+STD	COLORIMETRIC	S/P	1.000 mL	0.010 mL	5 min RT	630 nm	2.30 mmol/L	180 mmol/L	24 M
IN. Phosphorus	Endpoint	R+STD	AMMONIUM MOLYBDATE	S/U	1.000 mL	0.010 mL	10 min RT	340 nm	0.56 mg/dl	20 mg/dl	24 M
Magnesium	Endpoint	R+STD	XYLIDYL BLUE	S/P	1.000 mL	0.010 mL	3 min RT	545 nm	0.02 mg/dL	8.5 mg/dL	18 M

Immuno Turbidimetry Products

Parameter	Mode	Kit Contents	Method	Sample	Reagent Vol	Sample Vol	Time*	WaveLength	LDL	Linearity	Shelf Life
HbA1c	Endpoint	R1+R2+R3+5 Cal	Immunoturbidimetry	WB	0.300 mL+0.100 mL	0.008 mL	5+5 min	660 nm	2 %	16 %	30 M
CRP	Fixed Time	R1+R2+Cal	Immunoturbidimetry	S	0.800 mL+0.200 mL	0.005 mL	10/120 sec	540 nm	2 mg/L	150 mg/dL	24 M
ASO	Fixed Time	R1+R2+Cal	Immunoturbidimetry	S	0.800 mL+0.200 mL	0.010 mL	5/120 sec	540 nm	20 IU/mL	800 IU/mL	24 M
Microalbumin	Fixed Time	R1+R2+Cal	Immunoturbidimetry	U	0.800 mL+0.200 mL	0.010 mL	10/120 sec	540 nm	2 mg/L	150 mg/L	24 M
RA/RF	Endpoint	R1+R2+Cal	Immunoturbidimetry	S/P	0.800 mL+0.200 mL	0.010 mL	2 min	650 nm	6 U/L	160 U/L	24 M

Other Products

Parameter	Mode	Kit Contents	Method	Sample	Reagent Vol	Sample Vol	Time*	WaveLength	LDL	Linearity	Shelf Life
ADA	Kinetic	R1+R2+Cal	PNP-XOD	S/P	0.360 mL+0.180 mL	0.010 mL	300/180 sec	546 nm	NA	200 U/L	20 M

Serology Profile

Parameter	Kit Contents	Method	Reagent Vol	Sample Vol	Time	Sensitivity
ASO	Latex Reagent+PC+NC+Accessories	AGGLUTINATION	One Drop (40 µl)	One Drop (40 µl)	2 min	200 IU/mL
CRP	Latex Reagent+PC+NC+Accessories	AGGLUTINATION	One Drop (25µl)	One Drop (40 µl)	2 min	0.6 mg/dL
RA/RF	Latex Reagent+PC+NC+Accessories	AGGLUTINATION	One Drop (40 µl)	One Drop (40 µl)	2 min	12 IU/mL
RPR	RPR Antigen+PC+NC+Accessories	FLOCCULATION	One Drop (20 µl)	One Drop (50 µl)	8 min	98%
WIDAL (O, H, AH, BH Antigens)	Antigen+PC+Accessories	AGGLUTINATION	One Drop (50 µl)	One Drop (50 µl)	1 min	97%

* Time represents incubation time in minutes for Endpoint reactions and Delaytime / Readtime in seconds for Kinetic reaction