RANDOX

HUMAN ASSAYED MULTI-SERA - LEVEL 3 (HUM ASY CONTROL 3)

CAT. NO.	HE1532	GTIN:	05055273203608	SIZE:	20 x 5ml
CAT. NO.	HS2611	GTIN:	05055273203813	SIZE:	5 x 5ml
LOT NO.	1296UE	EXPIRY:	2027-02-28		

INTENDED USE

This product is intended for in vitro diagnostic use, in the quality control of diagnostic assays. The Human Assayed Multi-sera is for the control of accuracy.

DEVICE DESCRIPTION

The Human Assayed Multi-sera is supplied at 2 levels, level 2 and 3. Target values and ranges are supplied for the analytes listed in the values section at both levels.

SAFETY PRECAUTIONS AND WARNINGS

For in vitro diagnostic use only. Do not pipette by mouth. Exercise the normal precautions required for handling laboratory reagents.

Human source material, from which this product has been derived, has been tested at donor level for the Human Immunodeficiency Virus (HIV 1, HIV 2) antibody, Hepatitis B Surface Antigen (HbsAg), and Hepatitis C Virus (HCV) antibody and found to be NONREACTIVE. FDA approved methods have been used to conduct these tests. However, since no method can offer complete assurance as to the absence of infectious agents, this material and all patient samples should be handled as though capable of transmitting infectious diseases and disposed of accordingly.

Health and Safety Data Sheets are available on request.

STORAGE AND STABILITY

 OPENED:
 Store refrigerated (+2°C to +8°C). Reconstituted serum is stable for 8 hours at +15°C to +25°C or 7 days at +2°C to +8°C, and 28 days when frozen once at -18°C to -24°C.
 (See Limitations)

 UNOPENED:
 Store refrigerated (+2°C to +8°C). Stable to expiration date printed on individual vials.
 (See Limitations)

LIMITATIONS

For Total & Prostatic Acid Phosphatase, the material should be stabilised by adding 1 drop (25μl - 30μl) of 0.7M Acetic acid solution to 1ml of the serum exactly 30 minutes after reconstitution. After stabilisation Total and Prostatic Acid Phosphatase is stable for 2 hours at +15°C to +25°C, 2 days at +2°C to +8°C, and 28 days when frozen once at -18°C to -24°C.

Alkaline Phosphatase levels in the reconstituted serum will rise over the stability period. It is recommended that the reconstituted serum is allowed to stand for 1 hour at +15°C to +25°C before measurement. Bilirubin in the serum is light sensitive and it is recommended that the serum is stored in the dark. Stored in the dark, it is stable for 4 days at +2°C to +8°C. Do not store at +15°C to +25°C. Do not freeze. GLDH is stable for 2 days at 2-8°C.

NEFA is stable for 1 day at +2°C to +8°C.

Total PSA is stable for 4 days at $+2^{\circ}$ C to $+8^{\circ}$ C, or 28 days in aliquots frozen at -18° C to -24° C.

Bacterial contamination of the reconstituted serum will cause reductions in the stability of many components

Different lot numbers of this control should not be interchanged, as the values assigned to the controls vary from lot to lot.

The control should not be used as a calibration material.

Due to the zinc content in some batches of rubber stoppers, the QC and calibrator material should be aliquoted into polypropylene tubes and stored at +2°C to +8°C to ensure stable zinc levels throughout the stability period.

PREPARATION FOR USE

The Human Assayed Multi-sera is supplied lyophilised.

1. Carefully reconstitute each vial of lyophilised serum with exactly 5ml of distilled water at +15°C to +25°C. Close the bottle and allow to stand for 30 minutes before use. Ensure contents are completely dissolved by swirling gently. Avoid formation of foam.

Do not shake. 2. Refer to the Control section of the individual analyser application.

Refrigerate any unused material. Prior to reuse, mix contents thoroughly.

MATERIALS PROVIDED

Human Assayed Multi-sera - Level 3 20 x 5ml / 5 x 5ml

MATERIALS REQUIRED BUT NOT PROVIDED

Volumetric pipette

ASSIGNED VALUES

Due to the variation caused by test equipment, test reagents and laboratory technique, the quoted ranges are provided for guidance. It is recommended that these ranges are used until each laboratory has established its own ranges, based on individual laboratory requirements.

Each batch of assayed human serum is submitted to reference laboratories for assignment against international Reference Standards.

Where international Reference Standards are unavailable, Reference Methods are used. Values are also collected from approx. 3000 laboratories worldwide and using a unique statistical analysis, a value is assigned.

With each batch, a control range is provided for individual parameters and each parameter method. The control range is equivalent to the assigned mean ±2S.D.

If an instrument specific value is not available, refer to the Method section. If necessary, contact Randox Laboratories - Technical Services, Northern Ireland, tel: +44 (0) 28 9445 1070 or email Technical.Services@randox.com.

NOTES

All trademarks recognised.

- (1) Applies only in Germany. Ranges established according to the Guidelines of the Federal Chamber of Physicians in Germany.
- (2) Values established by reference laboratories officially recognised by the Federal Chamber of Physicians in Germany.
- (3) DGKC: German Society for Clinical Chemistry.
- (4) IFCC: International Federation of Clinical Chemistry.
- (5) SCE: Scandinavian Committee on Enzymes.

شرکت توسعه کیمیای سعادت www.tksmed.ir پشتیبانی 09129579407 - 09129579408

RANDOX METHOD

HUMAN ASSAYED MULTI-SERA - LEVEL 3

Lot. No.	1296UE	EXPIRY:	2027-02-28	Ca	it. No.	HE1532	/ HS2	2611
Analyte		unit	Target	low	high	1SD	2SD	methods
Albumin		g/dl	3.02	2.56	3.48	0.23	0.46	Bromocresol Green
Alkaline Phosphatase		U/L	544	462	626	41	82	Diethanolamine buffer DEA 37°C
ALT (GPT)		U/L	144	115	173	14.5	29	Tris buffer without P5P 37°C
AST (GOT)		U/L	144	115	173	14.5	29	Tris buffer without P5P 37°C
Amylase T	otal	U/L	336	286	386	25	50	Siemens 2-chloro-pNPG3 37°C
Apolipopr	otein A-1	mg/dl	114	93.5	135	10.25	20.5	Immunoturbidimetric
Apolipoprotein B		mg/dl	65.5	53.7	77.3	5.9	11.8	Immunoturbidimetric
Bilirubin Direct		mg/dl	1.64	1.29	1.99	0.18	0.35	Diazo with Sulphanilic Acid
		mg/dl	1.76	1.39	2.13	0.19	0.37	Diazo with Dichloroaniline (DCA)
Bilirubin Total		mg/dl	4.53	3.58	5.48	0.48	0.95	Dichlorophenyl Diazonium (DPD)
		mg/dl	5.19	4.11	6.27	0.54	1.08	Diazo with Dichloroaniline (DCA)
Calcium		mg/dl	12.0	10.8	13.2	0.6	1.2	Arsenazo III
		mg/dl	12	10.8	13.2	0.6	1.2	Cresolphthalein complexone (CPC)
Cholester	bl	mg/dl	293	256	330	18.5	37	Cholesterol Oxidase
Chloride		mmol/l	114	109	119	2.5	5	Colorimetric
CK Total		U/L	538	441	635	48.5	97	CK-NAC (IFCC) 37°C
Copper		µg/dl	149	119	179	15.0	30	Colorimetric
Creatinine		mg/dl	4.05	3.23	4.87	0.41	0.82	Jaffe rate blanked
Creatinine		mg/dl	4.27	3.41	5.13	0.43	0.86	Enzymatic UV method
gamma-G ⁻	Г	U/L	183	156	210	13.5	27.0	Gamma Glutamyl-3-Carboxy-4-nitroanilide (IFCC) 37°C
Glucose		mg/dl	287	243	331	22	44	Glucose oxidase
HDL - Cholesterol		mg/dl	103	88.0	118	7.5	15	HDL - Ultra
LDL - Chol	esterol	mg/dl	109	91.0	127	9	18	Direct (biomedic)
Immunogl	obulin A	mg/dl	175	131	219	22	44	Immunoturbidimetric
Immunoglobulin G		mg/dl	604	495	713	54.5	109	Immunoturbidimetric
Immunogl	obulin M	mg/dl	66	52.8	79.2	6.6	13.2	Immunoturbidimetric
Iron		µg/dl	221	182	260	19.5	39	Colorimetric without ppt.
Lactate		mg/dl	49.7	40.7	58.7	4.5	9	Colorimetric Lactate Oxidase
LD (LDH)		U/L	786	668	904	59	118	P->L Scandinavian & Dutch 37°C
Lipase		U/L	83	67	99	8	16	Randox Colorimetric 37°C
Lithium		mmol/l	2.35	2.07	2.63	0.14	0.28	
		mg/dl	1.63	1.43	1.83	0.10	0.20	Ion selective electrode
Magnesiu	n	mg/dl	4.35	3.82	4.88	0.27	0.53	Xylidyl Blue
NEFA		mmol/l	0.46	0.37	0.55	0.05	0.09	Colorimetric
Phosphoru	JS	mg/dl	7.01	5.95	8.07	0.53	1.06	Phosphomolybdate UV
Potassium		mmol/l	6.06	5.75	6.37	0.16	0.31	ISE method - direct
Sodium		mmol/l	155	147	163	4.0	8.0	ISE method - direct
Protein Total		g/dl	4.55	3.64	5.46	0.46	0.91	Biuret reaction end point
TIBC		μg/dl	258	204	312	27.0	54	Randox Direct
Transferrin		mg/dl	178	142	214	18.0	36.0	Immunoturbidimetric
Triglycerides		mg/dl	258	217	299	20.5	41.0	Lipase/GPO-PAP
Uric Acid (Urate)		mg/dl	8.99	7.8	10.2	0.58	1.16	Uricase Peroxidase with ascorbate oxidase @ 546nm
		mg/dl	116	98.6	133	8.7	17.4	Urease kinetic
Urea		mg/dl	54.2	46.1	62.3	4.05	8.10	BUN
Zinc		μg/dl	242	193	291	24.5	49	Colorimetric
-		1.0/					-	