Beaumont

Reportable Range

03/30/2021
Attachment E

		LOW	HIGH	Onboard Dilution	EXTENDED RANGE	Diluent/ Dilution	Max Reportable
ACE	U/L	1	120				>120
ALBUMIN	g/dL	0.4	10.5				>10.5
ALBUMIN, Fluid	g/dL	0.4	10.5				>10.5
ALP	U/L	5	4555				>4555
ALT	U/L	6	4113	X5	20565		>20565
Ammonia	umol/L	8	997	X1.85	1844	Saline/X4	>3688
AMYLASE	U/L	3.0	6554				>6554
AMYLASE, Fluid	U/L	3.0	6554				>6554
AST	U/L	3	4202	X5	21010		>21010
BHBT	mmol/L	0.01	4.5	X10	45		>45
BILIRUBIN, DIRECT	mg/dL	0.1	15.0				>15.0
BILIRUBIN, TOTAL	mg/dL	0.1	25.0	X10	250		>250
BILIRUBIN, TOTAL, Fluid	mg/dL	0.1	25.0	X10	250		>250
CALCIUM	mg/dL	2.0	24.0				>24
CHOLESTEROL	mg/dL	7	705	X4	2820		>2820
CHOLESTEROL, Fluid	mg/dL	7	705	X4	2820		>2820
CK	U/L	7	4267	X10	42670	Saline	42670**
CHLORIDE	mmol/L	50	150				>150
CO2	mmol/L	5	50	X2	100		>100
CREATININE	mg/dL	0.10	37.00				>37
CREATININE, Fluid	mg/dL	0.10	37.00				>37
CREATININE ENZ	mg/dL	0.10	37.00				>37
ETOH	mg/dL	10	600				>600
GGT	U/L	4	9256				>9256
GLUCOSE	mg/dL	5	800	X5	4000		>4000
GLUCOSE, Fluid	mg/dL	5	800	X5	4000		>4000
HDLC	mg/dL	5	180				>180
IRON	ug/dL	5	1000	X6.55	6550		>6550
POTASSIUM	mmol/L	1.0	10.0				>10.0
Lactate	mmol/L	0.2	13.3	X4	53		>53
Lactate, CSF	mmol/L	0.2	13.3	X4	53		>53
LD (Plasma/Fluid OHS)	U/L	10	1995	X5	3325	Saline	>4500
LD	U/L	10	4500				>4500
LD, Fluid	U/L	10	4500				>4500
LDLC - DIRECT	mg/dL	1	800				>800
LIPASE	U/L	4	1200				>1200
Lp(a)	mg/dL	1.3	90	X4			>360
MAGNESIUM	mg/dL	0.6	9.5				>9.5
SODIUM	mmol/L	100	200				>200
PHOSPHORUS	mg/dL	0.7	25.3				>25.3
PLACA	nmol/min/mL	10	382				>382
Plasma Hemoglobin	mg/dL	0	800				>800
PROTEIN, TOTAL	g/dL	0.8	18.4				>18.4
PROTEIN, TOTAL, Fluid	g/dL	0.8	18.4				>18.4
TRIGLYCERIDES	mg/dL	7	1420	X4	5680	Saline X10	>7500
TRIGLYCERIDES, Fluid	mg/dL	7	1420	X4	5680	Saline X10	>7500
UREA, BLOOD	mg/dL	2	125	X5	625		>625
UREA, Fluid	mg/dL	2	125	X5	625		>625
URIC ACID	mg/dL	1.0	33.1				>33.1

**Samples above the CK stated maxiumum dilution are diluted in duplicate with 2 different dilution factors before reporting. (ex. X20 and x40) Dilutions should agree within 10%.

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AMYLASE, URINE	U/L	3	6554				>6554
CALCIUM, URINE	mg/dL	2.0	24.0			Saline X5	>120
CALCIUM, Breast Milk	mg/dL	2.0	24.0			Saline X5	>120
CHLORIDE, URINE	mmol/L	20	300				>300
CHLORIDE, Fecal /Breast Milk	mmol/L	20	300				>300
CREATININE, URINE	mg/dL	5.0	740				>740
GLUCOSE, CSF	mg/dL	1	800				>800
GLUCOSE, URINE	mg/dL	1	800				>800
LD, CSF	U/L	10	2000		4500		>4500
MAGNESIUM, URINE	mg/dL	1.8	26.7	X9	80.1		>80.1
MAGNESIUM, Breast Milk	mg/dL	1.8	26.7	X9	80.1		>80.1
MICROALBUMIN	mg/dL	0.5	50	X4	200	Saline X4	>800
SODIUM, URINE	mmol/L	20	400				>400
SODIUM, Fecal/Breast Milk	mmol/L	20	400				>400
PHOS, URINE	mg/dL	5	186				>186
POTASSIUM, URINE	mmol/L	1.0	300				>300
POTASSIUM, Fecal/Breast Milk	mmol/L	1.0	300				>300
UREA, URINE	mg/dL	40	1980				>1980
URIC ACID, URINE	mg/dL	5.0	250				>250
Protein, CSF	mg/dL	7	200	X10	2000		>2000
PROTEIN, URINE	mg/dL	7	200	X20	4000	Saline X40	>7000
A1AT	mg/dL	25.0	300.0	X5	1500		>1500
ASO	IU/mL	50	850	X13.88	4247		>4247
B2 Microglobulin*	mg/L	0.25	16	X6	96		>96
PREALBUMIN	mg/dL	3	50	X4	200		>200
TRANSFERRIN	mg/dL	19	525	X2	1050		>1050
RF	IU/mL	15	200	X10	2000		>2000
C3	mg/dL	11	340	X2	680		>680
C4	mg/dL	3	60	X2	120		>120
CERULOPLASMIN	mg/dL	2	65				>65
HS CRP	mg/L	0.1	160	X10	1600		>1600
CRP	mg/L	0.2	320	X10	3200		>3200
HAPTOGLOBIN	mg/dL	8	255	X4	1020		>1020
IGA *	mg/dL	5	3650	X10	7300		>7300
IGE	IU/mL	25	1000	X10	10000		>10000
IGG*	mg/dL	109	4150	X4	16000		>16000
IGM*	mg/dL	5	1600	X10	3200	Saline X20	>7000

*** Verify dilution condition is undiluted before reporting IGA and IGM as "Less Than"**
Verify dilution condition is 3:1 before reporting IGG as "Less Than"

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		LOW	HIGH	Onboard Dilution	EXTENDED RANGE	Diluent/ Dilution	Max Reportable
Acetaminophen	ug/mL	3	377		377	Saline	Endpoint
Amikacin	ug/mL	2	50	X4	200	Saline	Endpoint
Carbamazepine	ug/mL	1.9	20	X2	40	Saline	Endpoint
Digoxin	ng/mL	0.2	5.0	X4 or X8	40	Saline	Endpoint
Gentamicin	ug/mL	0.5	10	X2	20	Saline	Endpoint
Lithium	mmol/L	0.10	3.51	X40	7.02	Saline	Endpoint
Phenobarbital	ug/mL	2.0	80	X2	160	Saline	Endpoint
Phenytoin	ug/mL	1.8	40	X4	160	Saline	Endpoint
Salicylate	mg/dL	5.0	100	X5	500	Saline	Endpoint
Theophylline	ug/mL	2.0	40	X4	160	Saline	Endpoint
Tobramycin	ug/mL	0.2	10			Tobra Cal 1	Endpoint
Valproic Acid	ug/mL	13	150	X4 or X8	1200	Saline	Endpoint
Vancomycin	ug/mL	1.1	100	X4	400	Saline	Endpoint

Due to the need to access the potential for toxicity and to assist in monitoring a patient after a toxic ingestion it is necessary to manually dilute until a concentration within the AMR is obtained. Laboratory policy for TDM is to dilute to a concentration unless otherwise indicated.

		Cut off	Dilution
Amphet/Methamphet	ng/mL	500	DO NOT DILUTE
Barbituate	ng/mL	200	DO NOT DILUTE
Benzodiazapine	ng/mL	300	DO NOT DILUTE
Cannabannoid	ng/mL	50	DO NOT DILUTE
Cocaine	ng/mL	300	DO NOT DILUTE
Methadone	ng/mL	300	DO NOT DILUTE
Opiates	ng/mL	300	DO NOT DILUTE
PCP	ng/mL	50	DO NOT DILUTE
Fentanyl	ng/mL	1.3	DO NOT DILUTE
Oxycodone	ng/mL	100	DO NOT DILUTE

DAU Special Handling

If a numeric result is not produced by the instrument and the error code 1350 (unable to calculate result) is obtained, the urine sample should be centrifuged and re-analyzed. If a result is still not obtained, the confirmation testing should be performed. The results of the confirmation testing will be used to result the screen.

Dilution Guide			
Dilution	DILUENT	SAMPLE	Program at
X2	100uL	100uL	2
X4	300uL	100uL	4
X5	400uL	100uL	5
X10	900uL	100uL	10
X16	750uL	50uL	16
X20	950uL	50uL	20