

UREA

Enzymatic-spectrophotometric
COLOR

The application parameters comprised here constitute a guide to facilitate the validation of our reagents by the instrument. It is advisable to validate the use when there is any change in software or reagent versions.

Instrument: SPECTRUM CCX

Reagent preparation

Reagent 1: Transfer the contents of one Reagent A2 vial into a Reagent A1 bottle. Mix thoroughly. Stable for 2 months at 2-8°C.

Reagent 2: Use the Reagent B.

Instrument settings

TEST DEFINITION									
ENTRY NAME	UREA			SAMPLE (μL)	NORMAL	2.0			
REPORT NAME	UREA COLOR				LOW				
RATIO REF.	UREA				HIGH	1.5			
TEST NUMBER	***			UNITS PRIM		mg/dL			
TEST TYPE	CALIBRATED			SEC. UNIT FACTOR		0			
MATH	1 PT CAL FACTOR END PT			PRINT DIGITS		0			
REACTION DIRECTION	UP			INST MUL	1.000	INT	0.000		
REAGENTS	2			NORMAL (C)		10 TO 50			
TEMPERATURE	37			SAMPLE DISP. DELAY (sec.)		0			
TEST BLANK TYPE	REAGENT BLANK								
LINEAR MODEL CALIBRATION DEFINITION									
TEST NAME	UREA			TEST TYPE		CALIBRATED			
CAL MODE	CAL ON CMD			MATH MODEL		LIN REG END PT			
INTCPT TOL (C)	-1000.00 TO 1000.00			CAL INTERVAL (hr.)		720			
% TOL OF CAL FACTOR	10			REF CAL FACTOR		*			
CAL LEVEL	0			% TOL OF CAL		10			
CALIBRATOR	LEVEL (C)			REPLICATES		2			
WATER	0.000					2			
MCC1	***								
TEST PARAMETER FILE: REAGENT DEFINITION									
REAGENT NAME		UREA		REAGENT NUMBER		1 FOR TEST UREA			
REAGENT VOL (μL) NORM		200		LOW		LINEARITY [C]			
LOW		0.00		HIGH		1.000 TO 300			
HIGH		200		FIRST READ TIME (sec)		INITIAL Ad			
60		60		LAST READ TIME (sec)		ABS LIMIT (Ad)			
60		60		NUMBER OF READS		REAGENT BLANK			
1		1		READ INTERVAL (sec)		BEFORE WASH CYCLES			
60.0		60.0		AUX REAG DISP (sec)		AFTER WASH CYCLES			
30		30		RSM		MIX TIME (sec)			
0		0		PRIM		COOLING			
0		0		SEC		CONSTANT INTERCEPT			
604 / 660		A		CONST		SPECTRAL CORRECTION			
1.00		0.00		E.F.					
0.00		0.00		LOW					
0.00		0.00		HIGH					
TEST PARAMETER FILE: REAGENT DEFINITION									
REAGENT NAME		UREA		REAGENT NUMBER		2 FOR TEST UREA			
REAGENT VOL (μL) NORM		200		LOW		LINEARITY [C]			
LOW		0.00		HIGH		1.000 TO 300			
HIGH		200		FIRST READ TIME (sec)		INITIAL Ad			
600		600		LAST READ TIME (sec)		ABS LIMIT (Ad)			
600		600		NUMBER OF READS		REAGENT BLANK			
1		1		READ INTERVAL (sec)		BEFORE WASH CYCLES			
60		60		AUX REAG DISP (sec)		AFTER WASH CYCLES			
0		0		RSM		MIX TIME (sec)			
0		0		PRIM		COOLING			
604 / 660		A		CONST		CONSTANT INTERCEPT			
1.00		0.00		E.F.		SPECTRAL CORRECTION			
0.00		0.00		LOW					
0.00		0.00		HIGH					