

# CALCIUM

Spectrophotometric  
METHYLTHYMOL BLUE

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

Working Reagent: Mix equal volumes of Reagent A and Reagent B. Mix thoroughly.  
Stable for 2 days at 2-8°C.

### Instrument settings

TEST DEFINITION							
ENTRY NAME	CA	SAMPLE (µL) NORMAL					2.5
REPORT NAME	CALCIUM		LOW				
RATIO REF.	CA		HIGH				2.0
TEST NUMBER	***	UNITS PRIM					mg/dL
TEST TYPE	CALIBRATED	SEC. UNIT FACTOR					
MATH	1 PT CAL FACTOR END PT	PRINT DIGITS					0
REACTION DIRECTION	UP	INST MUL 1.000	INT 0.000				
REAGENTS	1	NORMAL (C)					9.0 TO 10.7
TEMPERATURE	37	SAMPLE DISP. DELAY (sec.)					0
TEST BLANK TYPE	REAGENT BLANK						
LINEAR MODEL CALIBRATION DEFINITION							
TEST NAME	CA	TEST TYPE					CALIBRATED
COMB. TEST		MATH MODEL					LIN REG END PT
CAL MODE	CAL ON CMD	CAL INTERVAL (hr.)					720
INTCPT TOL (C)	-1000.00 TO 1000.00	REF CAL FACTOR					300
% TOL OF CAL FACTOR	10	% TOL OF CAL					10
CAL LEVEL	0	REPLICATES					
CALIBRATOR	LEVEL (C)						
WATER	0.000	1					
MCC1	***	1					
MCC2	***	1					
MCC3	***	1					
TEST PARAMETER FILE: REAGENT DEFINITION							
REAGENT NAME	CA	1 FOR TEST CALCIUM					
REAGENT VOL (µL) NORM	236	LINEARITY [C]					1.000 TO 15.0
LOW	0.000	INITIAL Ad					0.40
HIGH	236	ABS LIMIT (Ad)					2.4
FIRST READ TIME (sec)	120	REAGENT BLANK					
LAST READ TIME (sec)	120	BEFORE WASH CYCLES					18
NUMBER OF READS	1	AFTER WASH CYCLES					18
READ INTERVAL (sec)	60	MIX TIME (sec)					1:00
AUX REAG DISP (sec)	0	COOLING					***
RSM	0	CONSTANT INTERCEPT					0.000
PRIM	SEC	USE IN	CONST	E.F.	LOW	HIGH	
604	/ 660	A	1.00	0.00	0.00	0.00	