

# CALCIUM

Spectrophotometric  
ARSENAZO III

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 is ready to be used.

### Instrument settings

TEST DEFINITION							
ENTRY NAME	CA	SAMPLE (µL)	NORMAL	3.5			
REPORT NAME	CALCIUM		LOW				
RATIO REF.	CA		HIGH	2.5			
TEST NUMBER	***	UNITS PRIM		mg/dL			
TEST TYPE	CALIBRATED	SEC. UNIT FACTOR					
MATH	1 PT CAL FACTOR	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		1.000 TO 18.0			
REAGENT VOL (µL) NORM	236	LINEARITY [C]		0.40			
LOW	0.000	INITIAL Ad		2.4			
HIGH	236	REAGENT BLANK					
FIRST READ TIME (sec)	120	BEFORE WASH CYCLES		18			
LAST READ TIME (sec)	120	AFTER WASH CYCLES		18			
NUMBER OF READS	1	MIX TIME (sec)		1:00			
READ INTERVAL (sec)	60	COOLING		***			
AUX REAG DISP (sec)	0	CONSTANT INTERCEPT		0.000			
RSM	0	SPECTRAL CORRECTION					
PRIM	SEC	USE IN	CONST	E.F.	LOW	HIGH	
660	/ 572	A	1.00	0.00	0.00	0.00	