

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: MONARCH

Reagent preparation

Reagent 1: Use the Reagent A.

Reagent 2: Use the Reagent B.

Instrument settings

Identification parameters		Data acquisition parameters	
Test code	...	Analysis type	MIX RUN
Test name	CALCIUM	Temperature	37°C
Test mnemonic	CA MTB	Delay time	130 sec
Optical mode	ABSORBANCE	Interval time	10 sec
Response algorithm	FINAL-INITIAL	N° of data pts.	1
Result algorithm	LINEAR	Filter 1	620 nm
Loading parameters		Filter 2	570 nm
Loading type	LOAD ANALYZE	Monochromator 1	620 nm
Reagent blank	ON	Monochromator 2	570 nm
Reference type	DILUENT	Compatibility	8
Calibrator type	MULTI-COMPONENT (...)	Data integrity parameters	
Sample volume	5 µL	Integrity tests	SLOPE NORMAL RANGE % CALIBRATOR DEV
Sample diluent	4 µL	Integrity parameters	
Reagent diluent	10 µL	Slope	POSITIVE
1 st reagent (R1)	80 µL	Lower limit	9.0 mg/dL
2 nd reagent (R2)	80 µL	Upper limit	10.7 mg/dL
1 st reagent bar code	...	% Calibrator dev	5 %
2 nd reagent bar code To be introduced by the operator	
Data fit parameters			
Calibrator	...		
Correction mode	NONE		
Units	mg/dL		
N° of dec. Places	1		