

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.

Instruments: EXPRESS 550 / Plus

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 Name | CA | Test | CA | | |
| Test Bar Code | | | | | |
| Test Type | End Point | Curve Type | Blanked Linear | | |
| Units | mg/dL | Nr. of Decimal Places | 1 | | |
| Primary Wavelength | 600 | Secondary Wavelength | | | |
| Read Time/Interval | 10 | Sample Blank | No | | |
| Factor | | | | | |
| Calibration Interval | 168 hours | Nr. of Replicates | 2 | | |
| Nr. of Calibrators | 2 | | | | |
| Low Blank A Limit | -0.100 | High Blank A Limit | 0.300 | | |
| Low A Limit | -0.010 | High A Limit | 2.000 | | |
| Low Normal | 9.0 | High Normal | 10.7 | | |
| Linearity Limit | 15 | Curve S.D. Limit | 8.0 | | |
| Sample Volume | 3 µL | Test | CA | | |
| Rerun Dilution Ratio | 1 | | | | |
| Sample Diluent Bottle Type | * | Predilution Ratio | 1 | | |
| Reagent Diluent Bottle Type | * | | | | |
| | Reagent Volume | Bar Code | Diluent Volume | Lag Time | Bottle Type |
| Reagent 1 | 150 µL | CA1A | | 0 | * |
| Reagent 2 | 150 µL | CA2A | | 90 | * |
| | | | * Enter the bottle type: plastic or glass | | |