

PHOSPHORUS

Spectrophotometric
PHOSPHOMOLYBDATE/UV

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

Working Reagent: Mix 35 mL Reagent A + 15 mL Reagent B. Mix thoroughly. Stable for 12 months at 15-30 °C.

Instrument settings

Identification parameters		Data acquisition parameters	
Test code	...	Analysis type	MIX RUN
Test name	PHOSPHORUS	Temperature	37°C
Test mnemonic	PHOS	Delay time	120 sec
Optical mode	ABSORBANCE	Interval time	15 sec
Response algorithm	FINAL-INITIAL	N° of data pts.	2
Result algorithm	LINEAR	Filter 1	520 nm
Loading parameters		Filter 2	340 nm
Loading type	LOAD ANALYZE	Monochromator 1	520 nm
Reagent blank	ON	Monochromator 2	340 nm
Reference type	DILUENT	Compatibility	10
Calibrator type	MULTI-COMPONENT (...)	Data integrity parameters	
Sample volume	5 µL	Integrity tests	SLOPE NORMAL RANGE MINIMUM ABS/INT MAXIMUM ABS/INT
Sample diluent	10 µL	Integrity parameters	
Reagent diluent	10 µL	Slope	POSITIVE
1 st reagent (R1)	200 µL	Lower limit	2.7 mg/dL
2 nd reagent (R2)	0 µL	Upper limit	4.5 mg/dL
1 st reagent bar code	...	Minimum abs/int	0.0
2 nd reagent bar code	...	Maximum abs/int	0.1
Data fit parameters		... To be introduced by the operator	
Calibrator	...		
Correction mode	NONE		
Units	Mg/dL		
N° of dec. Places	1		