

# 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.

## Instruments: COBAS MIRA / MIRA Plus

### Reagent preparation

Reagent 1: Use the Reagent A.

Reagent 2: Use the Reagent B.

### Instrument settings

<b>GENERAL</b>		<b>CALCULATION</b>	
MEASUREMENT MODE	ABSORB	SAMPLE LIMIT	NO SPACE
REACTION MODE	R- S-SR1 3	REACTION DIRECTION	INCREASE 1
CALIBRATION MODE	SLOPE AVG 2	CHECK	ON 1
REAGENT BLANK	REAG/DIL 2	CONVERSION FACTOR	1
CLEANER	BEFORE 2	OFFSET	0
WAVELENGTH	340 nm 1	TEST RANGE LOW	0
DECIMAL POSITION	2 (mg/dL)	HIGH	20 mg/dL
UNIT	12 (mg/dL)	NORM RANGE LOW	2.7 mg/dL
		HIGH	4.5 mg/dL
<b>ANALYSIS</b>		NUMBER OF STEPS	1
POST DIL. FACTOR	5	CALCULATION STEP A	ENDPOINT 1
CONC. FACTOR	NO SPACE	READING FIRST	2
SAMPLE CYCLE	1	LAST	8
VOLUME	3 µL		
DILUTION NAME	H2O 0	<b>CALIBRATION</b>	
VOLUME	10 µL	CALIB. INTERVAL	ON REQUEST 3
REAGENT CYCLE	1	TIME	NO SPACE
VOLUME	180 µL	BLANK RANGE LOW	- 0.020 ΔA
START R1 CYCLE	3	HIGH	0.025 ΔA
VOLUME	80 µL	REAGENT RANGE LOW	NO SPACE
DILUTION NAME	H2O 0	HIGH	NO SPACE
VOLUME	10 µL		
<b>STANDARD POS.</b>	(*)		
STD-1	(**)		
(*) Enter the position of the CAL rack			
(**) Enter the value of the calibrator			