

# 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: **METROLAB 2300 (=DATA PIO)**

### 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

NAME	PHOS
UNITS	mg/dL
WAVELENGTH	340 nm
BIC. REF.	
LOW LIMIT (men)	2.5 mg/dL
HIGH LIMIT (men)	4.5 mg/dL
LOW LIMIT (women)	2.5 mg/dL
HIGH LIMIT (women)	4.5 mg/dL
TYPE	End Point
SAMPLE VOLUME	3 µL
1 <sup>ST</sup> REAGENT VOLUME	300 µL
2 <sup>ND</sup> REAGENT VOLUME	
1 <sup>ST</sup> INCUBATION	300 sec.
2 <sup>ND</sup> INCUBATION	
LINEAR LIMIT	20 mg/dL
CONSUMPTION LIMIT (KINETICS)	
REFERENCE	Standard
FACTOR/STANDARD	Standard *
REACTION DIRECTION	Increasing
	(* ) Data entered by the operator

Version 0703