

# 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: **ADVIA 1650**

### 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

ANALYTICAL PARAMETERS		Reanalysis conditions		Multi-Standards setting			
<u>Analytical Conditions</u>		Serum reac. smp. vol. (μ)	0.00	Formula	Linear correction	Axis conv.	No convert.
R1 volume	90.00	Serum dilut. method (μ)	None	Points		2	
R2 volume	0.00	Serum reac. smp. vol. (d)	0.00		FV	MEAN	
R3 volume	0.00	Serum dilut. method (d)	None		0.00	...	
R4 volume	0.00			BLK	*	...	
R1 diluent vol.	0.00	<u>Standards setting</u>		1			
R2 diluent vol.	0.00	BLK H	9.9999	* assigned value			
R3 diluent vol.	0.00	BLK L	-9.9999				
R4 diluent vol.	0.00	STD H	9.9999				
Serum reac. s. vol.	4.00	STD L	-9.9999				
Serum dil. method	Standard	FV	*				
Reaction time	5 min.	Abnml. (serum) H	99999				
Reagent 1 stir.	Weak	Abnml. (serum) L	-9999				
Reagent 2 stir.	Weak						
Reagent 3 stir.	Weak	<u>Calculation method setting</u>					
Reagent 4 stir.	Weak	M-DET. P. l	0	Prozone		Reaction rate method	
		M-DET. P. m	44	Prozone form.	None	Cycle	3
		M-DET. P. n	46	Prozone limit	9.999	Factor	3.0
<u>Sub-analy. conditions</u>		S-DET. P. p	0	Prozone judge	Upper limit	Reac. Type	Inc.
Name	PHOS	S-DET. P. r	0	Judge limit	9.999	E2 corre.	Do
Digits	2			M-DET. P. m.		Blank (μ)	9.9999
M-wave. L.	340 nm	Check D.P.I.	0	M-DET. P. n.	0	Blank (d)	-9.999
S-wave. L.		Limit value	0.003	S-DET. P. p.	0	Sample (μ)	9.9999
Analy. mthd.	EPA	Variance	10.0	S-DET. P. r.	0	Sample (d)	-9.999
Calc. mthd	STD						
Qualit. judg.	Not do					<u>Endpoint method</u>	
						Re. Absorb (μ)	9.9999
						Re. Absorb (d)	-9.999