

# 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: **SATURNO 300 (=HUMASTAR 300, ANAQUIM 300)**

## 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

<b>GENERAL</b>			<b>FILTERS</b>	
Test Name		Phos	First	340
Meas. Unit		mg/dL	Second	0
Decimal		2	Bichromatic Factor	1
<b>REFERENCE</b>			<b>REACTION</b>	
	<b>Min</b>	<b>Max</b>	Type	End Point
Boy	4.0	7.0	Read Time	1
Girl	4.0	7.0	<b>CHECK ABSORBANCE</b>	
Age Limit	...			(mAbs)
Male	2.5	4.5	R. Blank (min)	-100
Female	2.5	4.5	R. Blank (max)	500
Age Limit	...		Substr. Dept Lim	0
Male	2.5	4.5	<b>CALCULATION</b>	
Female	2.5	4.5	Factor	Multistandard
<b>LINEARITY LIMIT</b>				-
		20 mg/dL	Std. 1	*
<b>QUALITY CONTROL</b>			Std. 2	-
Repeat control every (hrs.)		...	Std. 3	-
<b>SAMPLE</b>			Std. 4	-
Voluma (µL)		3	Std. 5	-
Predil.ratio			Reag. Bias Subst	No
<b>REAGENTS</b>			<b>LINEAR CORRELATION</b>	
Features	<b>First</b>	<b>Second</b>	Intercept	0
Volumes (µL)	300	0	Slope	1
Incub. (sec.)	296	0	(... ) Values entered by the operator	
Cooling	Yes	0	(*) Enter the value of the calibrator	
Stabil. (hrs)	99	99		
Lot Number	...	...		
Bottles type	1	-		
ID First	...	...		
ID Second	...	...		