

# UREA/BUN

Enzymatic-spectrophotometric  
ULTRAVIOLET

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: **PRESTIGE 24i(=LABMAX 240, ZAPHYR 400)**

### Reagent preparation

Working Reagent: Transfer the contents of one Reagent B vial into a Reagent A bottle.  
Stable for 2 months at 2-8 °C.

### Instrument settings

Item Name	UREA		CALIBRATION		LINEAR	
DATA INFORMATION			Type			
Units	mg/dL		STANDARD			
Decimal	0		#1	*	#4	
			#2		#5	
ANALYSIS			#3		#6	
Type	RATE					
Main W. Length 1	340		NORMAL RANGE			
Main W. Length 2	700		MALE		FEMALE	
Method	IFCC		LOW	HIGH	LOW	HIGH
			SERUM	10	50	26 10
			URINE			
CORR.						
Y =	Slope	X	Inter			
	1		0			
ASPIRATION			DATA PROCESS	ABSORB LIMIT		
KIND	Single		READ	START	END	
	VOLUME		MAIN	16	22	Low 0.32
SAMPLE	3 µL		SUB			High 2.0
REAGENT 1 VOL	300 µL		FACTOR		ENDPOINT LIMIT 2.5	
REAGENT 2 VOL	µL		Blank correction ---			
R1 Blank	Water Blank		Third Mix. OFF		LINEAR CHECK (%) 30	
Auto Rerun SW	On		Auto Rerun Condition		(Absorbance)	
			Absorbance Range		Lower On	
Auto Rerun Range(Result)	On				Higher On	
	Lower Higher		Prozone Range		Off	
Serum	0 300					
Urine	---		* assigned standard value			