BIOBOON BIOTECH LLC

Bicarbonate Test Kit Enzymatic

- Accurate & Reliable
- Enzymatic Method
- Wide Linear Range (up to 40 mEq/L)
- Low Detection Limit (0.08 mEq/L)



TEST PARAMETERS

Wavelength	405 nm
Cuvette	1 cm
Reaction Temperature	37°C
Reaction Type	Fixed Time
Reaction Direction	Decreasing
Incubation	5 Min.
Sample Volume	10 µL
Delay Time	5 Sec.
Read Time	30 Sec.
Reagent Volume	1000 µL
Linearity	40 mEq/L
Blank Absorbance Limit	< 0.30
Units	mEq/L

MANUAL ASSAY PROCEDURE

Pipette into Test Tubes.

	BLANK	STD	SAMPLE
Sample	-	-	10 µL
Standard	-	10 µL	-
Reagent	1000 µL	1000 µL	1000 µL

Mix & Incubate for 05 min. at RT. Measure absorbance of Sample (A_T) and Calibrator (A_C) against Reagent Blank at 505 nm.

SAMPLE DILUTIONS

1. This method is linear upto a concentration of 40 mEq/L.
2. Dilute samples above this concentration 1:1 with DI Water.
3. Repeat assay. Multiply the result by 2.

LINEARITY & SENSITIVITY

LINEARITY
This method is linear upto a concentration of 40 mEq/L.

LIMIT OF DETECTION
0.08 mEq/L.

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