

# Anion Gap Blood Test

|                                     |                                                             |
|-------------------------------------|-------------------------------------------------------------|
| Patient Information                 |                                                             |
| Name:                               | Bernie Dickenson                                            |
| Age:                                | 52                                                          |
| Gender:                             | Male                                                        |
| Date of Birth:                      | 15/06/1971                                                  |
| Contact Number:                     | +1 (123) 456-7890                                           |
| Medical History & Related Questions |                                                             |
| Current Medications:                | Lisinopril, Metformin                                       |
| Previous Illnesses:                 | Hypertension, Type 2 Diabetes                               |
| Symptoms Experienced:               | Fatigue, Occasional Dizziness                               |
| Any recent intoxication?            | No                                                          |
| Tests                               |                                                             |
| Date of Test:                       | 20/09/2023                                                  |
| Sample Collected:                   | Blood Sample                                                |
| Findings                            |                                                             |
| Sodium (Na+):                       | 142 mEq/L    (Normal range: 135-145 mEq/L)                  |
| Potassium (K+):                     | 4.2 mEq/L    (Normal range: 3.5-5.0 mEq/L)                  |
| Chloride (Cl-):                     | 100 mEq/L    (Normal range: 96-106 mEq/L)                   |
| Bicarbonate (HCO3-):                | 25 mEq/L    (Normal range: 22-28 mEq/L)                     |
| Anion Gap Calculation:              | Anion Gap = (Sodium + Potassium) - (Chloride + Bicarbonate) |
| Resulted Anion Gap:                 | 22 mEq/L    (Normal range: 8-16 mEq/L)                      |

| Interpretation                           |                                                                                                     |
|------------------------------------------|-----------------------------------------------------------------------------------------------------|
| <b>Individual Ion Interpretation:</b>    | Sodium, Potassium, Chloride, and Bicarbonate levels are within normal ranges                        |
| <b>Overall Anion Gap Interpretation:</b> | The increased Anion Gap suggests a potential metabolic acidosis. Further evaluation is recommended. |