

THE AGA KHAN UNIVERSITY HOSPITAL CLINICAL LABORATORIES

UPDATE Fractional excretion of Sodium (FeNa)

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INTRODUCTION:

The fractional excretion of sodium (FENa) measures the percent of filtered sodium that is excreted in the urine. The FENa is commonly used to assist in differentiating pre-renal disease from acute tubular necrosis (ATN), the two most common causes of acute kidney injury. In general, a FENa below 1% suggests prerenal disease, where the reabsorption of almost all of the filtered sodium represents an appropriate response to decreased renal perfusion. In comparison, a value greater than 1% usually indicates ATN.

PRINCIPLE:

Urine and serum Sodium is analyzed by ISE (ion selected electrode) method. Serum and Urine Creatinine is analyzed by Jaffe kinetic methodology.

SPECIMEN COLLECTION:

- 5-10 ml of Random urine specimen.
- 3-5 cc blood in Gel tube is required.

SCHEDULE:

- Test will be performed daily with next day reporting.

PLEASE FILE FOR QUICK REFERENCE