



# Renolyte™-A

## Bicarbonate Haemodialysis Concentrate BP Acidic Component

(SOLUTION-A)

### Description:

Haemodialysis concentrates are solution that contain essential salts like Sodium Chloride, Potassium Chloride, Magnesium Chloride, Calcium Chloride and Acetate ions as a buffer. Bicarbonate is best given as acetate or lactate in order to avoid the release of Carbon Dioxide into the solution. Bicarbonate is the physiological buffer.

### Contents:

Each 1 litre of concentrated Renolyte-A solution contains:

Sodium Chloride BP.....	161.43 g
Potassium Chloride BP.....	5.49 g
Calcium Chloride Dihydrate BP.....	9.75 g
Magnesium Chloride Hexahydrate BP.....	3.74 g
Glacial Acetic Acid BP.....	8.85 g
Highly Purified Water BP.....	q.s. to 1 litre

### Electrolytes immediately after mixing Renolyte-A with Renolyte-B and diluted with Purified Water BP:

Sodium Ion (Na <sup>+</sup> ).....	75.00 mmol/L
* Sodium Ion (Na <sup>+</sup> ).....	65.00 mmol/L
Potassium Ion (K <sup>+</sup> ).....	2.00 mmol/L
Calcium Ion (Ca <sup>++</sup> ).....	1.80 mmol/L
Magnesium Ion (Mg <sup>++</sup> ).....	0.50 mmol/L
Chloride Ion (Cl <sup>-</sup> ).....	81.60 mmol/L
Acetate Ion (CH <sub>3</sub> COO <sup>-</sup> ).....	4.00 mmol/L
* Chloride Ion (Cl <sup>-</sup> ).....	26.00 mmol/L
* Bicarbonate (HCO <sub>3</sub> <sup>-</sup> ).....	35.00 mmol/L
Calc. Osmolarity.....	290.90 mOsm/L

\* From Renolyte-B Solution

### How to use:

Renolyte-A & Renolyte-B to be used in the dilution ratio of:

Renolyte-A (Acidic).....	1.00 Vol
Renolyte-B (Bicarb).....	1.83 Vol
Purified Water BP.....	34.00 Vol

### Indication:

- Acute renal failure.
- Chronic renal failure
- Overhydration
- In Electrolyte and Acid-base imbalance
- In treatment of poisoning
- Treatment of renal failure occurring with *P. Falciparum* infection (Malignant tertian malaria)

### Dosage:

Recommended Dose: 5L of concentrate per dialysis (as directed by the medical practitioner)

Dosage Schedule: 2-3 dialysis per week (as directed by the medical practitioner)

Route of Administration: Not administered internally into patients. It is used for haemodialysis purpose only.

### Pharmaceutical Precaution:

Untreated tap/potable water is not suitable for the preparation of dialysates. Electrolyte concentration may need to be adjusted according to patient requirement. Use only if solution is clear and must be diluted first.

### Caution:

Renolyte-A to be used with Renolyte-B. Do not use Renolyte-A solution by itself for haemodialysis and must be diluted immediately before use with water of suitable quality. Discard container in case of visible solid particles inside.

### Keep out of reach of children

**Not for injection**

Store between 15-30° C.

Do not freeze.

Net Volume : **10 Litre**

Packaging: Packed in HDPE containers.

