

Medication Ordering – Electrolyte Infusions

Purpose

This document provides a concise reference for prescribers on how to order common electrolyte infusions in Meditech Expanse. It highlights key actions, system behaviours, and clinical considerations to support safe and efficient prescribing.

Audience

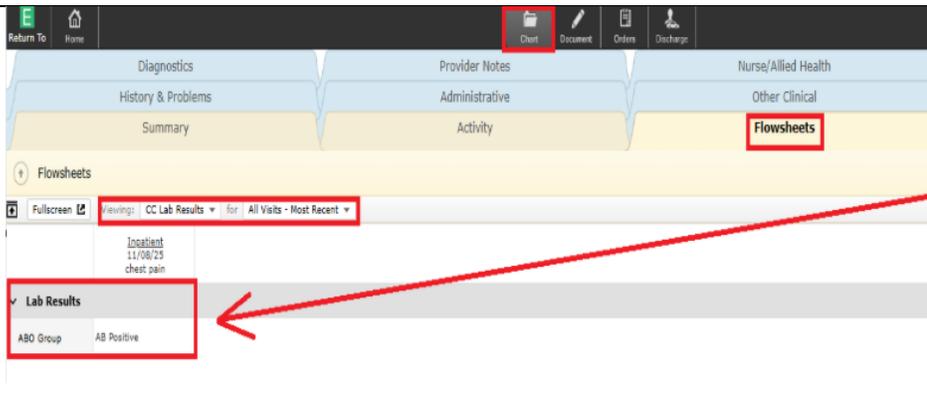
Doctors, Nurses, Clinical Pharmacists

Version Control

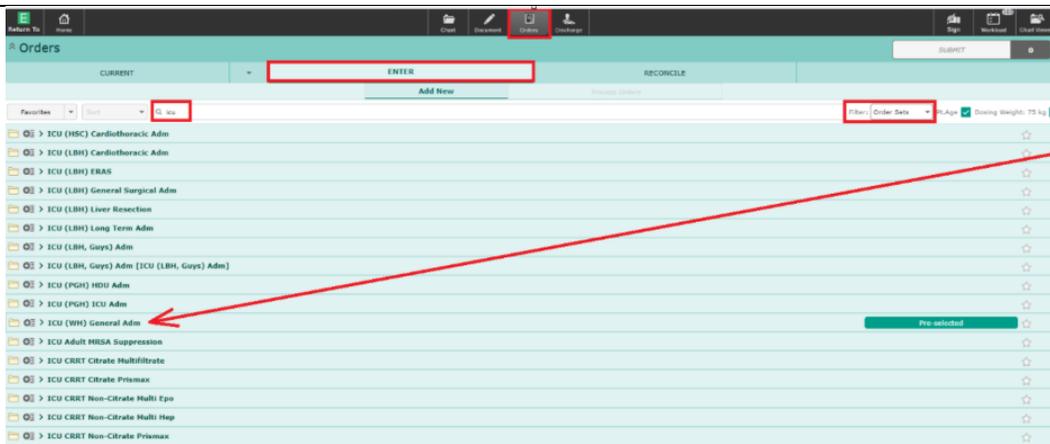
Version	Date	Author	Changes Made
1.0	23-Oct-2025	Justin Capati Christopher Meddings Medical Services	Initial draft

Medication Ordering – Electrolyte Infusions

This guide outlines the steps for ordering commonly used IV electrolytes —**Potassium, Magnesium and Phosphate**—in Meditech Expanse.



Before ordering any electrolyte drugs check the lab results. Click **Chart > Flowsheets>Viewing** Select **CC Lab results for All Visits – Most Recent**. The lab results will be placed here:



Click on **Orders > Enter >** in the search bar type in ICU and **Filter to Order Sets**.

The yellow icon folders represent Order Sets. Select the Admission Order Set relevant to your facility.

ICU (NH) General Admin

West Req Field Clear All

Electrolyte replacement

potassium chloride infusion PREMIX (CRITICAL CARE ONLY)

KCl 3% + sodium chloride 0.9% [KCl 40 mmol + NaCl 0.9% inf bag (100 mL)] 20 mmol in 50 ml IV INF 8 mmol/hr PRN 23/10/25 12:47 STOP DATE

* Provider: Template,Consultant Cardiolog
* Source: Resident Doctor

KCl 3% + sodium chloride 0.9% [KCl 40 mmol + NaCl 0.9% inf bag (100 mL)] 10 mmol in 25 ml IV INF 8 mmol/hr PRN 23/10/25 12:47 STOP DATE

* Provider: Template,Consultant Cardiolog
* Source: Resident Doctor

potassium chloride infusion NEAT (CRITICAL CARE ONLY)

potassium chloride 10 mmol in sodium chloride 0.9%, 50 mL CENTRAL inf

8 mmol/hr IV INF 1 HR 13 MIN PRN
 8 mmol/hr IV INF 2 HR 30 MIN PRN

potassium chloride 20 mmol in sodium chloride 0.9%, 50 mL CENTRAL inf

8 mmol/hr IV INF 2 HR 30 MIN PRN

potassium (oral)

potassium chloride+bicarbonate [Sando-K 600 mg / 400 mg effervescent tablet]

potassium chloride+bicarbonate [Sando-K 600 mg / 400 mg effervescent tablet] *DOSE tab ORAL *FREQ PRN 23/10/25 12:47 STOP DATE

* Provider: Template,Consultant Cardiolog
* Source: Resident Doctor

tab NABOGASTR FREQ PRN

Magnesium (IV)

magnesium sulfate 50 % [magnesium sulfate 20 mmol (5g) / 10mL ampoule] 5 g IV INF CONTINUOUS SCH 23/10/25 12:15 STOP DATE

* Provider: Template,Consultant Cardiolog
* Source: Resident Doctor

Certain order strings have been auto selected in this **ICU order set**. Deselect any that are not required, leaving only those to be prescribed marked with a green check box.

Electrolyte replacement

potassium

potassium chloride infusion PREMIX (CRITICAL CARE ONLY)

potassium chloride 40mmol (3%)+ NaCl 0.9%,100 mL CENTRAL infusion 23/10/25 15:29
KCl 3% + sodium chloride 0.9% [KCl 40 mmol + NaCl 0.9% inf bag (100 mL)] 40 mmol in 100 ml IV INF 8 mmol/hr PRN

* Provider: Doctor,Expense
* Source: Independent clinician order

KCl 3% + sodium chloride 0.9% [KCl 40 mmol + NaCl 0.9% inf bag (100 mL)] 20 mmol in 50 ml IV INF 8 mmol/hr PRN 23/10/25 15:29

* Provider: Doctor,Expense
* Source: Independent clinician order

potassium chloride infusion NEAT (CRITICAL CARE ONLY)

potassium chloride 20 mmol in sodium chloride 0.9%, 50 mL CENTRAL inf

8 mmol/hr IV INF 2 HR 30 MIN PRN
 8 mmol/hr IV INF 5 HR PRN

potassium chloride 40 mmol in sodium chloride 0.9%, 100 mL CENTRAL inf

8 mmol/hr IV INF 5 HR PRN

Potassium products

The potassium products have been pre-selected based on common availability at facilities.

PREMIX – refers to ready made bags or syringes

NEAT – neat potassium ampoules further diluted with a diluent on the ward

Electrolyte replacement

magnesium infusion

✓ > magnesium sulfate 50 % [magnesium sulfate 20 mmol (5g) / 10mL ampoule] 23/10/25 15
 20 mmol IV INF CONTINUOUS PRN P I

* IV Fluid

Sodium Chloride 0.9% [Sodium Chloride 0.9% Bag 50 MI]

Additive/Medication

Magnesium Sulfate 50 % [Magnesium Sulfate 20 Mmol (5g) / 10ml Ampoule]

Fixed Total Volume: 50
 Unit: ml

Titrate: Yes No

* Starting Rate: 4
 * Units: mmol/hr
 Infusion Site: CENTRAL

* Start Date
 * Start Time
 Stop Date
 Stop Time

Magnesium

This is a combination order already configured to standard concentrations used and as configured in the smart pumps

ICU (LBH) Cardiothoracic Adm

Electrolyte Replacement

* Source: Independent clinician order

Phosphate

sodium glycerophosphate infusion

✓ > sodium glycerophosphate 21.6% [sodium glycerophosphate 1mmol/mL ampoule]
 20 mmol IV INF CONTINUOUS PRN P I

* Provider: Doctor, Expanse
 * Source: Independent clinician order

✓ > sodium glycerophosphate 21.6% [sodium glycerophosphate 1mmol/mL ampoule]
 40 mmol IV INF CONTINUOUS PRN P I

* Provider: Doctor, Expanse
 * Source: Independent clinician order

Phosphate

Similar to potassium, product selection is based on what is commonly available at each facility

ICU (HSC) Cardiothoracic Adm Next Req

Electrolyte replacement

phosphate

sodium + potassium phosphate (Polyfusor) infusion

sodium + potassium phosphate [Polyfusor phosphate 2.875 g/647.5 mg/500 mL] IV INF *RATE mls/hr ONE 23/10/25

* Provider Doctor,Expense

* Source Independent clinician order