

# DKA Potassium Replacement Scale Protocol [3364]

Providers: Order DKA Potassium Replacement Protocol via the Diabetic Ketoacidosis (DKA) Order Set.  
 \*\*\*This Order Set is for Nursing utilization related to potassium replacement\*\*\*

## Potassium Replacement

Potassium replacement scale for DKA patients: HOLD INSULIN if potassium is LESS than 3.3 mEq/L Patients tolerating oral feeding and not symptomatic should receive oral replacement.			
POTASSIUM Level (mEq/L)	Potassium Chloride Dose	Monitoring	Comments
LESS than or EQUAL to 3.3	60 mEq Oral OR IV	Recheck level two hours after the <b>end of IV administration</b> or 4 hours after oral. Reapply orders if needed	Oral route preferred. Give IV if unable to tolerate oral intake. Total dose may be given as a combination of IV/PO. <b>Notify</b> prescriber if patient develops arrhythmias.
3.4 – 4.0	40 mEq Oral OR IV	Recheck level two hours after the <b>end of IV administration</b> or 4 hours after oral. Reapply orders if needed	Oral route preferred. Give IV if unable to tolerate oral intake. Total dose may be given as a combination of IV/PO. <b>Notify</b> prescriber if patient develops arrhythmias.
4.1 – 5.2	20 mEq Oral OR IV	Recheck level two hours after the <b>end of IV administration</b> or 4 hours after oral. Reapply orders if needed	Oral route preferred. Give IV if unable to tolerate oral intake. Continue IVF with potassium (Including for ESRD patients)
GREATER than 5.2	<b>Notify prescriber</b>	Continue to monitor every 4 hours until stable	Contact prescriber if patient has IVF with potassium for <b>possible</b> adjustment of potassium.

### Potassium LESS than or EQUAL to 3.3 (Single Response)

( ) Oral replacement - potassium 60 mEq	<b>"Or" Linked Panel</b>
[ ] potassium chloride (K-DUR) CR tablet	60 mEq, oral, once, For 1 Doses Recheck level 4 hours after dose and reapply orders if needed.
[ ] potassium chloride (KAYCIEL) 10 % solution	60 mEq, oral, once, For 1 Doses Recheck level 4 hours after dose and reapply orders if needed
( ) Peripheral IV - potassium 60 mEq	10 mEq, intravenous, for 60 Minutes, every 1 hour, For 6 Doses Recheck level 1 hour after the end of IV administration and reapply orders if needed.
( ) Central IV - potassium 60 mEq	20 mEq, intravenous, for 60 Minutes, every 1 hour, For 3 Doses For Central Line Only; Recheck level 1 hour after the end of IV administration and reapply orders if needed.

### Potassium 3.4 - 4.0 (Single Response)

( ) Oral replacement - potassium 40 mEq	<b>"Or" Linked Panel</b>
[ ] potassium chloride (K-DUR) CR tablet	40 mEq, oral, once, For 1 Doses Recheck level 4 hours after dose and reapply orders if needed.
[ ] potassium chloride (KAYCIEL) 10 % solution	40 mEq, oral, once, For 1 Doses Recheck level 4 hours after dose and reapply orders if needed
( ) Peripheral IV - potassium 40 mEq	10 mEq, intravenous, for 60 Minutes, every 1 hour, For 4 Doses Recheck level 1 hour after the end of IV administration and reapply orders if needed.
( ) Central IV - potassium 40 mEq	20 mEq, intravenous, for 60 Minutes, every 1 hour, For 2 Doses For Central Line Only; Recheck level 1 hour after the end of IV administration and reapply orders if needed.

### Potassium 4.1 - 5.2 (Single Response)

( ) Oral replacement - potassium 20 mEq	<b>"Or" Linked Panel</b>
[ ] potassium chloride (K-DUR) CR tablet	20 mEq, oral, once, For 1 Doses Recheck level 4 hours after dose and reapply orders if needed.
[ ] potassium chloride (KAYCIEL) 10 % solution	20 mEq, oral, once, For 1 Doses Recheck level 4 hours after dose and reapply orders if needed
( ) Peripheral IV - potassium 20 mEq	10 mEq, intravenous, for 60 Minutes, every 1 hour, For 2 Doses Recheck level 1 hour after the end of IV administration and reapply orders if needed.
( ) Central IV - potassium 20 mEq	20 mEq, intravenous, for 60 Minutes, once, For 1 Doses For Central Line Only; Recheck level 1 hour after the end of IV administration and reapply orders if needed.

## End Stage Renal Disease (ESRD) Potassium Replacement

Potassium replacement scale for DKA patients: HOLD INSULIN if potassium is LESS than 3.3 mEq/L Patients tolerating oral feeding and not symptomatic should receive oral replacement.			
POTASSIUM Level (mEq/L)	Potassium Chloride Dose	Monitoring	Comments
LESS than or EQUAL to 3.3	60 mEq Oral OR IV	Recheck level two hours after the <b>end of IV administration</b> or 4 hours after oral. Reapply orders if needed	Oral route preferred. Give IV if unable to tolerate oral intake. Total dose may be given as a combination of IV/PO. <b>Notify</b> prescriber if patient develops arrhythmias.
3.4 – 4.0	20 mEq Oral OR IV	Recheck level two hours after the <b>end of IV administration</b> or 4 hours after oral. Reapply orders if needed	Oral route preferred. Give IV if unable to tolerate oral intake. Total dose may be given as a combination of IV/PO. <b>Notify</b> prescriber if patient develops arrhythmias.
4.1 – 5.2	<b>No replacement</b>	Continue to monitor every 2 to 4 hours (per BMP orders)	Continue IVF with potassium
GREATER than 5.2	<b>Notify prescriber</b>	Continue to monitor every 4 hours until stable	Contact prescriber if patient has IVF with potassium for <b>possible</b> adjustment of potassium.

### Potassium LESS than or EQUAL to 3.3 (Single Response)

( ) Oral replacement - potassium 60 mEq	<b>"Or" Linked Panel</b>
[ ] potassium chloride (K-DUR) CR tablet	60 mEq, oral, once, For 1 Doses Recheck level 4 hours after dose and reapply orders if needed.
[ ] potassium chloride (KAYCIEL) 10 % solution	60 mEq, oral, once, For 1 Doses Recheck level 4 hours after dose and reapply orders if needed
( ) Peripheral IV - potassium 60 mEq	10 mEq, intravenous, for 60 Minutes, every 1 hour, For 6 Doses Recheck level 1 hour after the end of IV administration and reapply orders if needed.
( ) Central IV - potassium 60 mEq	20 mEq, intravenous, for 60 Minutes, every 1 hour, For 3 Doses For Central Line Only; Recheck level 1 hour after the end of IV administration and reapply orders if needed.

### Potassium 3.4 - 4.0 (Single Response)

( ) Oral replacement - potassium 20 mEq	<b>"Or" Linked Panel</b>
[ ] potassium chloride (K-DUR) CR tablet	20 mEq, oral, once, For 1 Doses Recheck level 4 hours after dose and reapply orders if needed.
[ ] potassium chloride (KAYCIEL) 10 % solution	20 mEq, oral, once, For 1 Doses Recheck level 4 hours after dose and reapply orders if needed
( ) Peripheral IV - potassium 20 mEq	10 mEq, intravenous, for 60 Minutes, every 1 hour, For 2 Doses Recheck level 1 hour after the end of IV administration and reapply orders if needed.

( ) Central IV - potassium 20 mEq

20 mEq, intravenous, for 60 Minutes, once, For 1 Doses  
For Central Line Only; Recheck level 1 hour after the end of IV  
administration and reapply orders if needed.

## Potassium Monitoring

### Potassium Level (Single Response) (Selection Required)

Oral Replacement: Draw 4 hours after PO administration

IV Replacement: Draw 2 hours after IV administration

Choose one below and release order when time to draw:

( ) Potassium level 4 hours after oral replacement

Conditional Frequency For 1 Occurrences

Draw 4 hours after oral potassium replacement

( ) Potassium level 2 hours after IV replacement

Conditional Frequency For 1 Occurrences

Draw 2 hours after IV potassium replacement