

**CRITICAL CARE MEDICINE MAGNESIUM
REPLACEMENT ORDER SHEET
CRITICAL CARE ONLY**

PATIENT PLATE

- Check appropriate box to initiate orders

Hold Replacement & Notify MD if:

If urine output is less than 0.5 milliliters/kg/hour or less than 240 milliliters/8 hours.
Serum creatinine is greater than 1.5 mg/dl or creatinine clearance < 30 ml/minute.
May crush magnesium oxide ONLY if patient has NG tube or PEG.

- For routine magnesium replacement

PO or NG tube Magnesium Replacement

Serum Magnesium	Treatments	Labs
> 2 mg/dL	No replacement	Check serum Magnesium level in AM.
1.5 – 2 mg/dL	Magnesium oxide 400 mg PO BID x 2 doses.	Check serum Magnesium level with AM labs.
< 1.5 mg/dL	Only IV replacement – See table below.	See below.

- If patient does not tolerate/cannot take PO, or has Magnesium level < 1.5 mg/dL.

IV Magnesium Replacement

Serum Magnesium	Treatments	Labs
> 2 mg/dL	No replacement	Check serum Magnesium level with AM labs.
1.5 – 2 mg/dL	Give 2 grams Magnesium sulfate in 50 ml 0.9% saline over 30 minutes.	Check serum Magnesium level 6 hours after infusion completed.
< 1.5 mg/dL	Give 4 grams Magnesium sulfate in 100 ml 0.9% saline over 60 minutes.	Check serum Magnesium level 6 hours after infusion completed.

SIGNATURE

TITLE

TIME

PRINTED

HOSPITAL
Healthcare System

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FORM 7-1079 (rev. 12/03)