

# Weekly Post-it

## Our Lady of the Lake Regional Medical Center Pharmacy Department

### Quick facts on QuickMix

August 11, 2011

**QuickMix** is the OLOL preferred formulation for Peripheral Parenteral Nutrition or PPN. Physicians frequently have questions about the amount of various electrolytes and the calories provided by **QuickMix**.

Each liter of **QuickMix** contains the following:

Amino Acids	42.5 g	4 calories / gram =	170 calories
Dextrose	50 g	3.4 calories / gram =	170 calories
Sodium	35 mEq	Potassium	30 mEq
Magnesium	5 mEq	Calcium	4.5 mEq
Chloride	39 mEq	Phosphate	15 mEq
Acetate	70 mEq	Total calories	340 / L

The amount of electrolytes and calories provided by **QuickMix** will depend on the rate at which **QuickMix** is being infused.

#### Example:

**What is the amount of each electrolyte and the total calories provided by QuickMix if it is being infused at 100 ml/hour?**

At 100 ml/hour, patient is receiving 2400 ml of QuickMix per day. Therefore, the patient will receive the following amount of electrolytes and calories per day.

Sodium	35 mEq / L	x 2.4	=	84	mEq
Potassium	30 mEq / L	x 2.4	=	72	mEq
Magnesium	5 mEq / L	x 2.4	=	12	mEq
Calcium	4.5 mEq / L	x 2.4	=	10.8	mEq
Phosphate	15 mMol/L	x 2.4	=	36	mMol
Chloride	39 mEq / L	x 2.4	=	93.6	mEq
Acetate	70 mEq / L	x 2.4	=	168	mEq
Amino acids	42.5 grams	x 2.4	=	102	grams
Dextrose	50 grams	x 2.4	=	120	grams
Total calories	340 / L	x 2.4	=	816	calories

**Quickmix is hypotonic** and adding additional 119 mEq of Sodium Chloride can make it equivalent to one liter of Normal Saline.

MCHUMOR.com by T. McCracken



"Mary, you haven't been taking your calcium pills, have you?"

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