

# ADULT TOTAL PARENTERAL NUTRITION ORDER FORM

## The Adult Dose (10 ml) of Multivitamin (M.V.I.) Contains:

1. Ascorbic Acid	100.0 mg	7. Niacinamide	40.0 mg
2. Vitamin A	3,300.0 IU	8. Dexpanthenol	15.0 mg
3. Vitamin D	200.0 IU	9. Vitamin E	10.0 IU
4. Thiamin (B1)	3.0 mg	10. Biotin	60.0 mcg
5. Riboflavin (B2)	3.6 mg	11. Folic Acid	400.0 mcg
6. Pyridoxine (B6)	4.0 mg	12. Cyanocobalamin (B12)	5.0 mcg

## The Adult Dose (1ml) of Trace Element (T.E.) Solution Contains:

1. Zinc	5.0 mg	2. Copper	1.0mg
2. Manganese	0.5 mg	4. Chromium	10.0 mcg
		5. Selenium	60 mcg

## Instructions For Using This Form:

1. Check INDIRECT CALORIMETRY if desired.
2. To CONTINUE THE SAME PARENTERAL NUTRITION order for an additional 48 hours, check the appropriate box.
3. Order STANDARD CENTRAL or STANDARD PERIPHERAL formulas by liters per day. Nutritional components as shown are per liter. Standard formulas include M.V.I., T.E. and standard electrolytes.
4. Use the SPECIAL FORMULATION section for any changes to existing standard formulations. This includes additions and/or deletions to standard electrolytes.
5. Order AMINO ACIDS as grams per day. Use the other (TYPE) line to specify special amino acid products, i.e. RENAL, HEPATIC; or VOLUME RESTRICTED. Use of "OTHER" products requires a nutrition support team consult.
6. Order TOTAL NON-PROTEIN CALORIES as Kcals per day. Specify the number of calories to be supplied by dextrose and lipids.
7. Order TOTAL VOLUME as mls per day observing minimum volume recommendations. Electrolytes and additives require approximately 100 ml of volume.
8. If STANDARD ELECTROLYTES OR STANDARD ELECTROLYTES-NO POTASSIUM are desired check the appropriate box.
9. If CUSTOM ELECTROLYTES are desired, check the appropriate box and specify total mEq and/or mM, per day. If STANDARD ELECTROLYTES PLUS ADDITIONAL ELECTROLYTES are desired, check the appropriate box and specify additional electrolytes in mEq and/or mM, per day. Use standard electrolytes (per liter) listed under Standard Formulas as a guide. NOTE: 1mM of potassium phosphate or sodium phosphate supplies 1.47 mEq and 1.33 mEq of potassium or sodium respectively.
10. Specify OTHER ADDITIVES as total units, mg, or mEq per day. REQUESTS FOR CHANGES TO PREVIOUSLY WRITTEN ORDERS REQUIRE A NEW ORDER FORM TO BE COMPLETED TO INSURE THE CHANGE IS ACKNOWLEDGED BY THE PHARMACY.
11. Maximum CALCIUM/PHOSPHATE concentrations are limited to the sum of (mEq Ca<sup>++</sup>/1000ml) + (2x PO<sub>4</sub><sup>-</sup>/1000ml) value being: <60

## REFERENCE AIDS

### DEXTROSE

Each gram provides 3.4 Kcal

1 gm = 1.43 ml

Peripheral concentrations should not exceed 340 non-protein Kcal per 1000 ml.

### AMINO ACID

Each gram provides 4 Kcal

### Travasol (standard) 10%

protein 0.10 gm/ml  
volume 1 gm/10 ml  
acetate 0.87 mEq/gm  
chloride 0.4 mEq/gm

### Novamine (volume restricted) 15%

protein 0.15 gm/ml  
volume 1 gm/7 ml  
acetate 1.06 mEq/gm

### Nephramine (renal) 5.4%

protein 0.054 gm/ml  
volume 1 gm/19 ml  
sodium 0.095 mEq/gm  
acetate 0.84 mEq/gm

### Hepatamine (hepatic) 8.0%

protein 0.08 gm/ml  
volume 1 gm/13 ml  
sodium 0.13 mEq/gm  
acetate 0.81 mEq/gm  
phosphate 0.13 mM/gm

### ELECTROLYTES

Order custom electrolytes in whole or half (0.5) units only. Amino acids contribute additional electrolytes to individual formulations.