

Daily Electrolyte and Mineral Requirements^{1,2}

Element	Neonate	Infants	Children > 1 year
Sodium (mEq/kg)	1.6 - 9	2-4	2-4
Potassium (mEq/kg)	1.4 - 10	2-3	2-3
Chloride (mEq/kg)	1.1 - 4.5	2-3	2-3
Phosphorus (mg/L)*	400-450	400-450	150-300
Magnesium (mg/L)*	50-70	50-70	20-40
Calcium (mg/L)*	500-600	500-600	200-400

*These elements are described per liter rather than per kilogram body weight, to prevent high concentrations of calcium and phosphate, which may lead to precipitation.

1. Cochran EB, et al: Clin Pharm 1988
2. Greene HL, et al: Am J Clin Nutr 1988
3. Heird WC, et al: Pediatrics 1987
4. Heird WC, et al: Pediatrics 1988
5. Fitzgerald KA and MacKay MW: Am Hosp Pharm 1986
6. Prestridge L, et al: J. Pediatrics 1993
7. Beck R: Am J Perinatol 1990
8. Mauer EC and Penn D: JPEN Supplement 1991

Ordering Information

TrophAmine®
(6% Amino Acid Injection)
500mL 12/case S9361-SS

TrophAmine
(10% Amino Acid Injection)
500mL 6/case S9341-SS

To order:
1-800-BBRAUN2 (1-800-227-2862)

For Clinical and Technical Questions:
1-800-854-6851

To contact your B. Braun Sales Representative:
1-800-345-7744

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TrophAmine®
(6% and 10% Amino Acid Injections)

From pre-term to pre-school . . .



the 1st choice
in pediatric parenteral nutrition

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SHARING EXPERTISE

TrophAmine®

(6% and 10% Amino Acid Injections)

From pre-term to pre-school...
the 1st choice in pediatric parenteral nutrition

PVC-free, DEHP-free, Latex-free

Parenteral Amino Acid Solution for Infants and Children

Formulation

- 60% essential amino acids
- 30% branched chain amino acids
- High in histidine and tyrosine (pediatric essential amino acids)
- Low in phenylalanine, methionine, and glycine
- High in taurine for appropriate bile acid conjugation

Prescribing Information

Suggested Dosage

TrophAmine

≤10 kg	2.0 - 2.5 g/kg/d
>10 kg	20 - 25 g/d plus 1.0 - 1.25 g/kg/d for each kg over 10 kg

Dextrose

Peripheral	10 g/kg/d (34 kcal/kg/d)
Central	25 g/kg/d (85 kcal/kg/d)

IV lipid

3 g/kg/d (approx. 30 kcal/kg/d)

Cysteine HCl•H₂O can be administered with
TrophAmine (40 mg Cysteine HCl•H₂O/g amino acids)

Benefits

In low birth weight infants and children up to 3.5 years

- Promotes weight gain and positive nitrogen balance^{3,4}
- Normalizes plasma amino acid concentrations^{3,4}
- Maximizes calcium/phosphate solubility for bone growth^{5,6}
- Minimizes changes in liver function parameters^{3,4,7,8}

NOTE:

Safe and effective use of parenteral nutrition requires a knowledge of nutrition as well as clinical expertise in the recognition and treatment of the complications which can occur. Frequent clinical evaluation and laboratory determinations are necessary for proper monitoring of parenteral nutrition. Studies should include blood sugar, serum proteins, kidney and liver function osmolalities, blood cultures and ammonia levels.

Risks

TrophAmine is contraindicated in patients with untreated anuria, hepatic coma, inborn errors of amino acid metabolism, including those involving branched chain amino acid metabolism such as maple syrup urine disease and isovaleric acidemia, or hypersensitivity to one or more amino acids present in the solution.

Refer to summary in pocket of this document for prescribing information.

