

Aminoven Infant 10%

Forms and presentation

solution for infusion: bottle of 100 ml.

Composition

1 liter contains:

L-isoleucine	8 g
L-leucine	13 g
L-Lysine monoacetate	12 g
=L-lysine	8.51 g
L-methionine	3.12 g
L-phenylalanine	3.75 g
L-threonine	4.4 g
L-tryptophan	2.01 g
L-valine	9 g
L-arginine	7.5 g
L-histidine	4.76 g
Glycine	4.15 g
L-alanine	9.3 g
L-proline	9.71 g
L-serine	7.67 g
Taurine	0.4 g
N-acetyl-L-tyrosine	5.176 g
=L-tyrosine	4.2 g
N-acetyl-L-cystein	0.7 g
=L-cysteine	0.52 g
L-malic acid	2.62 g

Theoretical osmolarity : 885 mosm/l

Titration acidity : 25-45 mmol NaOH/l

pH- value: 5.5-6.0

Indications

For partial parenteral nutrition of infants (preterm and term newborns, babies) and young children. Together with corresponding amounts of carbohydrates and fat as energy donors, and vitamins, electrolytes and trace elements, the solution may serve for total parenteral nutrition.

Contraindications

Disturbances in amino acid metabolism, metabolic acidosis, hyperhydration, hyperkalemia.

Patient with insufficient renal or hepatic function require an individual dosage.

Attention in case of hyponatremia.

Precautions

Frequent evaluation and determination of the following laboratory values should be recommended for monitoring parenteral nutrition in infants: urea-nitrogen, ammonia, electrolytes, glucose and triglycerides (when a fat emulsion is administered), acid-base and fluid balance, liver enzymes and serum osmolality.

Drug interactions

No interactions are known to date.

Dosage and administration

Aminoven infant 10% should be administered as constant intravenous infusion via central veins.

Maximum infusion rate: up to 0.1 g amino acids/kg body weight/hour = 1 ml/kg body weight/ hour

Maximum daily dosage:

- At the age of 1 year : 1.5-2.5 g amino acids/kg bodyweight = 15-25 ml per kg body weight
- At the age of 2-5 years: 1.5 g amino acids/kg body weight = 15 ml per kg body weight
- At the age of 6-14 years : 1 g amino acids /kg body weight = 10 ml per kg body weight

The solution is administered as long as parenteral nutrition is required.

Overdose

As with other amino acid solutions shivering, vomiting, nausea and increased renal amino acid losses can occur when Aminoven infant 10% is overdosed or the infusion rate is exceeded. Infusion should be stopped immediately in this case. It may be possible to continue with a reduced dosage. In the event of hyperkalemia the infusion of 200 to 500 ml 10% glucose solution with an added 1 to 3 U modified insulin/3-5 g glucose is advisable.

Shelf life

Aminoven infant 10% is assigned a shelf-life of 24 months

Shelf life after reconstitution according to directions : the addition of other components to the amino acids solution Aminoven infant 10% prior to application should take place under hygienic conditions ensuring that the solution is well dispensed. Unless other data are available, mixtures should be used within 24 hours.

Storage conditions

Do not store above 25°C. Do not freeze. Store protected from light.