

JMS Complete Range of Innovative Parts of Infusion Set

PRECAUTIONS of Glucose + Amino acids + Electrolytes + Vit. B₁ (BFLUID[®]):

BFLUID Injection should be administered with care in the following patients:

1. Patients with hepatic dysfunction.
2. Patients with renal dysfunction.
3. Patients with cardiovascular dysfunction.
4. Patients with acidosis.
5. Patients with diabetes mellitus.
6. Patients with known hypersensitivity to drugs.

PRECAUTIONS of Amino Acids (Aminoleban[®]):

1. Patients with severe acidosis
2. Patients with congestive cardiac failure
3. Patients on dialysis or hemofiltration with serious renal disorder
4. Use in the Elderly: Because elderly patients often have reduced physiological function, it is advisable to consider reducing the dose by decreasing the infusion rate.
5. Pediatric Use: The safety in children has not been established (no clinical experience).

PRECAUTIONS of Amino Acids (Celemin Nephro[™]):

1. Signs of intolerance and increased renal losses accompanied by amino acid imbalance may develop if the solution is infused too rapidly.
2. The fluid balance, serum electrolytes, blood sugar levels, and acid base balance must be monitored.
3. For long term therapy, fat should be included in the dietary regimen in order to avoid essential fatty acid deficiency.
4. The solution is unsuitable for long term parental use as it does not contain adequate nonessential amino acids.

Adapted from:
Bfluid [package insert]. Japan: Otsuka Pharmaceutical Factory, Inc.; 2012
Aminoleban Injection [package insert]. Vietnam: Otsuka Pharmaceutical Vietnam JCS; 2010
Celemin Nephro [package insert]. India: Otsuka Pharmaceutical India Pvt., Ltd.; 2011

For full prescribing information, please see Package Insert

CONTRAINDICATIONS of Glucose + Amino acids + Electrolytes + Vit. B₁ (BFLUID[®]):

1. Patients with hepatic coma or at risk of developing hepatic coma.
2. Patients with serious renal dysfunction or azotemia.
3. Patients with congestive heart failure.
4. Patients with severe acidosis.
5. Patients with abnormal electrolyte metabolism.
6. Patients with reduced urine output due to obstructive uropathy.
7. Patients with abnormal amino acid metabolism.
8. Patients with known hypersensitivity to thiamine chloride hydrochloride.

CONTRAINDICATIONS of Amino Acids (Aminoleban[®]):

1. Patients with serious renal disorder.
2. Patients with abnormal amino acid metabolism [Because the infused amino acids are not adequately metabolized, the patient's clinical condition may be worsened].

CONTRAINDICATIONS of Amino Acids (Celemin Nephro[™]):

1. Disturbances of amino acid metabolism.
2. Hepatic coma.
3. Serious renal disturbances.
4. Hyponatremia and hyperkalemia.
5. Congestive cardiac failure.
6. Hyperhydration.
7. Metabolic acidosis.



QR Code: For Physician's use only

Additional information available upon request.
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CN-2021-08-06

TOTAL NUTRITION MANAGEMENT

MacroPharma Corporation

Otsuka
(Philippines)
Pharmaceutical, Inc.



Enteral Nutrition		NEO-MUNE Vanilla & Melon Flavor	Aminoleban® ORAL Orange Flavor	HINEX® HP	HINEX® Jelly Corn Flavor	GFO®	
		60g ^{※1}	50g	25g	300g	15g	
Energy	kcal	254	210	89	300	36	
Total Protein	g	15.6	[13.5]※2	11.3	15	3.6	
Crystallo-BCAA	g	3	5.6	2.8	2.4	0	
Crystallo-Glutamine	g	1.6	0	1.084	0	3	
Crystallo-Arginine	g	3.1	0	0.169	0	0	
Fat	g	7.2	3.5	0.13	6.9	0	
Saturated fatty acid	g	0	1.8	<0.10	2.73	4	
MCT	g	3.77	0		1.17	0	
ω-6	g	0	0		1.35	0	
ω-3	g	1.4	0		0.45	0	
Carbohydrate	g	31.6	32.4	11.4	47.1	11.0	
Fiber	g	1.9	1	1.25	3.6	5.0	
Lactosucrose	g	0	1	0	3.6	1.45	
Water	mL	210※3	180※3	150※3	[228]※4	100-150※3	
Vitamins	B1	mg	0.9	0.01	0.40	1.0	0
	B2	mg	0.6	0.2	0.40	1.05	0
	Niacin	mgNE	6.7	1.4	2.3	0	0
	B6	mg	0.94	0.2	0.40	1.35	0
	Folic acid	μg	129.1	50.0	38.0	0	0
	B12	μg	5.73	0.5	0.58	1.35	0
	Biotin	μg	107.4	25	6.3	0	0
	Pantothenic acid	mg	1.5	1.1	0.75	0	0
	C	mg	95.5	7.24	19	240	0
	A	μgRE	273	140	125	246	0
	E	mg	17.3	9.86	1.9	10.5	0
D	μg	2.2	1.17	2	6	0	
K1	μg	21.6	5.5	11	0	0	
Minerals	Sodium	mg	199.5	47.45	60	531	0.5
	Chloride	mg	208.0	218.95	70	216	0
	Potassium	mg	252.4	162	190	468	0
	Magnesium	mg	71.3	20.2	20	0	0
	Calcium	mg	149.5	69	125	282	0
	Phosphorus	mg	57.0	83.8	63	225	0
	Chromium	μg	16.4	0	8.8	0	0
	Molybdenum	μg	20.1	0	10	0	0
	Manganese	mg	0.5	0.2	0.38	0	0
	Iron	mg	4.8	1.3	1	3.3	0
	Copper	mcg	0.4	0.1	125.0	0	0
	Zinc	mg	3.6	5	1.3	5.4	0
	Selenium	μg	8.7	0	7.5	0	0
Iodine	μg	35.8	9.55	25	0	0	
Osmolarity	mOsmol/L	400	600	180	[None]※5	400-450 (100mL ※3) 260-300 (150mL ※3)	
pH		7.0-10.0	3.0-4.0	6.8	6.2 - 7.2	3.4-4.0	

※1: 60g=7 scoops, 90g=10.5 scoops

※4:Included water volume

※2:Amino acids & Peptide. Fischer ratio=38

※5:Because of Semi-solid product

※3:Recommended volume for preparation

Parenteral Nutrition		Glucose + Amino acids + Electrolytes + Vit. B, (BFLUID®)		Amino Acids (Aminoleban®)	Amino Acids (Celemin Nephro™)
		500mL	1000mL	500mL	500mL
Energy	kcal	210	420	160	143.5
Non-protein calories	kcal	150	300	0	0
Amino acids	g	15	30	39.93	35
Nitrogen	g	2.4	4.7	6.1	5.4
E/N ratio		1.44	1.44	1.09	4.05
Fischer ratio		5.20	5.20	37.05	7.4
BCAA conc. (w/w)	%	30	30	35.5	30.85
Total Amino Acid (w/v)	%	3	3	8	7
Carbohydrate	g	37.5	75	0	0
Glucose conc.	%	7.5	7.5	0	0
Electrolytes, Minerals & Vitamin B1					
Sodium	mmol	17.5	35	7	0
Potassium	mmol	10	20	0	0
Calcium	mmol	1.25	2.5	0	0
Magnesium	mmol	1.25	2.5	0	0
Phosphate	mmol	10	20	0	0
Chloride	mmol	17.5	35	47	0
Acetate	mmol	8	16	0	0
Sulphate	mmol	1.25	2.5	0	0
Zinc	μmol	2.5	5	0	0
Vitamin B1 (equivalent)	mg	0.75	1.5	0	0
Lipids	g	0	0	0	0
Dihydrogen phosphate	mmol	0	0	0	0
L- malate	mmol	0	0	0	0
Osmolarity	mOsmol/L	866	866	819	635
pH, approx		6.7	6.7	5.9	7
DOSAGE of Glucose + Amino acids + Electrolytes + Vit. B, (BFLUID®):					
The usual adult dosage is 500 mL per dose, infused via a peripheral vein. The usual infusion rate in adults is 500 mL administered over 120 min. The infusion rate should be reduced in the elderly and in critically-ill patients. The dosage should be adjusted according to the patient's condition, body weight, and age. The maximum dosage is 2500 mL per day.					
DOSAGE of Amino Acids (Aminoleban®):					
The usual adult dose of Amino Acids (AMINOLEBAN®) is 500-1000 mL per dose, infused via a peripheral vein. The usual peripheral infusion rate is 500 mL over 180- 300 min in adults. For total parenteral nutrition, 500-1000 mL of Amino Acids (AMINOLEBAN®) should be combined with glucose or other solutions and administered over 24 hours via a central vein. The dosage should be adjusted according to the patient's age, symptoms, and body weight.					
DOSAGE of Amino Acids (Celemin Nephro™):					
Recommended daily dosage: Up to 0.5 g of amino acids/kg body weight/day in acute and chronic renal insufficient patient not treated by dialysis. Up to 1 g of amino acids/kg body weight/day in patient treated by hemodialysis, hemofiltration or peritoneal dialysis. Dosage should be adjusted according to amino acid requirements depending upon age, body weight and condition of patients. Adequate calories should be administered simultaneously either orally or parenterally. The infusion could be given either by peripheral or central route by suitably adjusting the flow rate or as prescribed by the physician.					
※ If discoloration occurs in BFLUID or Aminoleban, please inform Otsuka (Phils.) Pharmaceutical, Inc.					
※ Composition of Vitamin B1 in BFLUID is incorporated to prevent Vitamin B1 deficiency.					
For full prescribing information, please see Package Insert					
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*PN + **EN Protein and Caloric Value				
Calorie(Kcal) & Protein + Amino Acids (g)	Glucose + Amino acids + Electrolytes + Vit. B, (BFLUID®) 500mL	Glucose + Amino acids + Electrolytes + Vit. B, (BFLUID®) 1000mL	Glucose + Amino acids + Electrolytes + Vit. B, (BFLUID®) 1500mL	Glucose + Amino acids + Electrolytes + Vit. B, (BFLUID®) 2000mL
NEO-MUNE 1 serving	464Kcal 30.6g	674Kcal 45.6g	884Kcal 60.6g	1094Kcal 75.6g
NEO-MUNE 2 servings	718Kcal 46.2g	928Kcal 61.2g	1138Kcal 76.2g	1348Kcal 91.2g
NEO-MUNE 3 servings	972Kcal 61.8g	1182Kcal 76.8g	1392Kcal 91.8g	1602Kcal 106.8g
HINEX® jelly 1 pouch	510Kcal 30g	720Kcal 45g	930Kcal 60g	1140Kcal 75g
HINEX® jelly 2 pouches	810Kcal 45g	1020Kcal 60g	1230Kcal 75g	1440Kcal 90g
HINEX® jelly 3 pouches	1110Kcal 60g	1320Kcal 75g	1530Kcal 90g	1740Kcal 105g
Calorie(Kcal) & Protein + Amino Acids (g)	Amino Acids (Aminoleban®) IV 500mL	Amino Acids (Aminoleban®) IV 1000mL	※Caution※ These are just combination examples. The actual dosage should be based on patients' condition. Kindly consider the balance of electrolytes and other nutrients as well.	
AMINOLEBAN® ORAL 1 serving	370Kcal 53.43g	530Kcal 93.36g		
AMINOLEBAN® ORAL 2 servings	580Kcal 66.93g	740Kcal 106.86g		
AMINOLEBAN® ORAL 3 servings	790Kcal 80.43g	950Kcal 120.36g		

NEO-MUNE for Tube feeding:

If the reconstituted product is not used immediately, refrigerate and administer within 12 hours.

Concentration (kcal/mL)	Neo-Mune		Warm Water	Final Volume
	(gram)	(spoon)		
0.5	120	14	920mL	1000mL
1	240	28	830mL	1000mL
1.5	360	42	740mL	1000mL

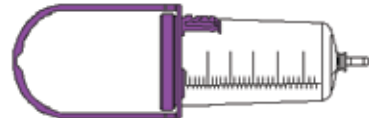
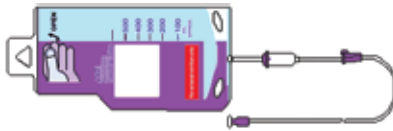

*PN - Parenteral Nutrition, **EN - Enteral Nutrition

JMS Enteral Nutrition System

JMS Nutrition Set – Features of a Q-Lock System

This is the safety lock connection system adopted by JMS to secure the attachment of enteral nutrition container and enteral tubing set. The Q-Lock system proposes safety measures by detachment and leakage prevention.

Available in 600 mL bottle and 500 mL bag.
Also available in Yellow Color.

S/N	Product Name	Product Image
1	Enteral Feeding Bottle 600mL	
2	Enteral Feeding Bag 500mL	
3	Enteral Line set Q-lock	
4	Enteral Feeding Bottle Cap	