

**amino acids (Rx)**

(a-mee'noe)

**amino acid infusions (crystalline) (Rx)**

Aminosyn, Aminosyn II, Aminosyn-PF, Clinisol, FreAmine III, Premasol, Travasol, TrophAmine

**amino acid infusions/dextrose (Rx)**

Aminosyn II with dextrose, Clinimix, Amino Acid Infusions/electrolytes

**aminosyn with electrolytes (Rx)**

Aminosyn II with electrolytes, FreAmine III with electrolytes, ProcalAmine with electrolytes, Travasol with electrolytes

**amino acid infusions/electrolytes/dextrose (Rx)**

Aminosyn II with electrolytes in dextrose

**amino acid infusions (hepatic failure) (Rx)**


HepatAmine, Hepatasol

**amino acid infusions (high metabolic stress) (Rx)**

Aminosyn-HBC, FreAmine HBC

**amino acid infusions (renal failure) (Rx)**

Aminosyn-RF, NephAmine

*Func. class.:* Nutritional supplement/protein**ACTION:** Needed for anabolism to maintain structure, decrease catabolism, promote healing**Black Box Warning:** Central infusions: administration by central venous catheter should be used only by those familiar with this technique and its complications**USES:** Hepatic encephalopathy, cirrhosis, hepatitis, nutritional support in cancer; burn or solid organ transplant patients; to prevent nitrogen loss when adequate nutrition by mouth, gastric, or duodenal tube cannot be obtained**CONTRAINDICATIONS:** Hypersensitivity, severe electrolyte imbalances, anuria, severe liver damage, maple syrup urine disease, PKU, azotemia,  genetic disease of amino acid metabolism**Precautions:** Pregnancy, breastfeeding, children, renal disease, diabetes mellitus, HF, sulfite sensitivity**DOSAGE AND ROUTES****Nutritional support (cirrhosis, hepatic encephalopathy, hepatitis)**

- **Adult:** IV 80-120 g/day amino acids/12-18 g nitrogen of hepatic failure formula

**TPN**

- **Adult:** IV 1-1.5 g/kg/day

**Metabolic stress (severe)**

- **Adult:** IV 1.5 g/kg; use formula for high metabolic stress

**Renal failure (nutritional support)**

- **Adult:** IV Aminosyn-RF 300-600 mL/70% dextrose/day; NephAmine 250-500 mL/70% dextrose/day; the total daily dosage is calculated based on the daily protein requirements, as well as the patient's metabolic and clinical response. Check product instructions for specific directions

- **Child:** IV 2-3 g/kg/day

**Available forms:**

**Injection:** 250, 500, 1000, 2000 mL, containing amino acids in various concentrations; amino acid infusions, crystalline: Aminosyn: 3.5%, 5%, 7%, 8.5%, 10%; Aminosyn II: 3.5%, 5%, 7%, 8.5%, 10%, 15%; Aminosyn-PF: 7%, 10%; Clinisol: 15%; FreAmine III: 8.5%, 10%; Premasol: 6%, 10%; Travasol: 10%; TrophAmine: 6%, 10%

**Amino acid infusion/dextrose:** Aminosyn II: 3.5% in 5% dextrose, 4.25% in 20% dextrose, 4.25% in 10% dextrose, 4.25% in 25% dextrose; Clinimix: 2.75% in 5% dextrose, 4.25% in 5% dextrose, 4.25%