

# INFUSE Rate Calculator

## practice scenarios

**CLINIMIX**  
sulfite-free (Amino Acid in Dextrose) Injections

**CLINIMIX E**  
sulfite-free (Amino Acid with Electrolytes in Dextrose with Calcium) Injections

Nourish the Outcome

The following sample inputs are for practice purposes only and not from actual patients.

### Pediatric Patient:

5-year old with short-term Parenteral Nutrition (PN) needs

#### Step 1: Enter patient information

Weight = 15 kg  
Goal Protein = 2.5 g / kg / day  
Goal Calories = 75 kcal / kg / day  
Goal Volume = 1250 mL / day  
20% IVFE = 225 mL / day  
Click "Next"

#### Step 2: Select your formulas

CLINIMIX Injections 4.25 / 20  
CLINIMIX Injections 5 / 20  
CLINIMIX E Injections 5 / 15  
Click "Next"

#### Step 3: Select how you want electrolytes and measurements displayed

Select electrolyte preferences  
Click "Ions"  
Click mEq / L  
Click "Calculate"

#### Step 4: Review results

The following results are an excerpt of the full results page

	4.25/20	5/20	5/15 E
Rate mL/hr	36.76	31.25	31.25
Amino Acid gm/day	38	38	38
Dextrose gm/day	177	150	113
IVFE gm/kg/day	3	3	3
Total volume/day	1107	975	975

### Critical Care Adult:

45-year old in the ICU

Weight = 65 kg  
Goal Protein = 1.5 g / kg / day  
Goal Calories = 25 kcal / kg / day  
Goal Volume = 1800 mL / day  
No IVFE  
Click "Next"

CLINIMIX Injections 5 / 15  
CLINIMIX E Injections 4.25 / 25  
CLINIMIX E Injections 5 / 20  
Click "Next"

Select electrolyte preferences  
Click "Salts"  
Click mEq / kg  
Click "Calculate"

	5/15	4.25/25 E	5/20 E
Rate mL/hr	81.25	95.59	81.25
Amino Acid gm/day	98	98	98
Dextrose gm/day	293	574	390
IVFE gm/kg/day	0	0	0
Total volume/day	1950	2294	1950

### Elderly Patient:

72-year old malnourished patient

Weight = 60 kg  
Goal Protein = 1 g / kg / day  
Goal Calories = 30 kcal / kg / day  
Goal Volume = 1800 mL / day  
20% IVFE = 275 mL / day  
Click "Next"

CLINIMIX Injections 5 / 15  
CLINIMIX E Injections 4.25 / 25  
CLINIMIX E Injections 5 / 20  
Click "Next"

Select electrolyte preferences  
Click "Ions"  
Click mEq / day  
Click "Calculate"

	5/15	4.25/25 E	5/20 E
Rate mL/hr	50	58.82	50
Amino Acid gm/day	60	60	60
Dextrose gm/day	180	353	240
IVFE gm/kg/day	0.92	0.92	0.92
Total volume/day	1475	1687	1475

See next page for Indications and Important Risk Information.  
Please see [www.clinimix.com](http://www.clinimix.com) for CLINIMIX and CLINIMIX E Injections full Prescribing Information.

## Indications

CLINIMIX and CLINIMIX E Injections are indicated as a caloric component in a parenteral nutrition regimen and as the protein (nitrogen) source for offsetting nitrogen loss or for treatment of negative nitrogen balance in patients where:

- The alimentary tract cannot or should not be used,
- Gastrointestinal absorption of protein is impaired, or
- Metabolic requirements for protein are substantially increased, as with extensive burns.

## Important Risk Information

- **It is essential that a carefully prepared protocol based on current medical practices be followed, preferably by an experienced team. Frequent clinical evaluation and laboratory determinations are necessary for proper monitoring during administration.**
- CLINIMIX and CLINIMIX E Injections are contraindicated in patients having intracranial or intraspinal hemorrhage, in patients who are severely dehydrated, in patients hypersensitive to one or more amino acids and in patients with severe liver disease or hepatic coma. Solutions containing corn-derived dextrose may be contraindicated in patients with known allergy to corn or corn products.
- Because of the potential for life-threatening events, caution should be taken to ensure that precipitates have not formed in any parenteral nutrient admixture.
- Use with caution when administering to patients with anuria or renal insufficiency, pulmonary insufficiency, or heart disease. The intravenous administration of these solutions can cause fluid and/or solute overloading resulting in dilution of serum electrolyte concentrations, overhydration, congested states, or pulmonary edema.
- Metabolic complications have been reported, such as acid-base, electrolyte, and blood glucose imbalances, elevated liver enzymes, and osmotic diuresis and dehydration.
- Other adverse reactions that may occur include febrile response, infection at the site of injection, extravasation, and hypervolemia. The infusion of hypertonic nutrient injections into a peripheral vein may result in vein irritation, vein damage, and thrombosis.
- This product contains aluminum that may be toxic with prolonged parenteral administration if kidney function is impaired.
- CLINIMIX and CLINIMIX E Injections **must be** admixed prior to infusion.

Please see [www.clinimix.com](http://www.clinimix.com) for CLINIMIX and CLINIMIX E Injections full Prescribing Information.