



Name of Hospital  
 Neonatal Parenteral Nutrition Prescription  
**PRETERM STANDARD**  
**24 hour bag**  
 E of E Preterm Standard PN Px (July 2022 – version 12) page 2 of 2

Name Hospital No.  
 Date of Birth NHS Number  
 Address  
 Consultant

**PHARMACY DEPARTMENT SECTION**

<b>Date</b>						
<b>Total volume of Aqueous PN to be infused</b>						
<b>Total volume of Lipid to be infused</b>						
<b>Ordered by</b>						
<b>Order number</b>						
<b>Checked by</b>						
<b>Maximum infusion rate of aqueous PN (ml/hour)</b>						
<b>Maximum infusion rate of lipid (ml/hour)</b>						

**WARD ADMINISTRATION RECORD**

<b>Aqueous PN – date infusion started</b>						
<b>Aqueous PN – time infusion started</b>						
<b>Set up by</b>						
<b>Checked by</b>						
<b>Lipid – date infusion started</b>						
<b>Lipid – time infusion started</b>						
<b>Set up by</b>						
<b>Checked by</b>						

**BATCH NUMBER RECORDS**

<b>Batch number of aqueous PN</b>						
<b>Batch number of Lipid</b>						
<b>Batch number recorded by</b>						

**Additional Information:**

Date	Comment	Initial & Sign

**Please note:**

**Lipid syringes from ITH will be provided with the following formulation:**

**Intralipid/SMOFLipid 20% 37.5ml**

**Vitlipid N Infant 10ml**

**Solvivito N (WFI 10ml) 2.5ml**

**20ml/kg would then provide:**

**Solvivito 1ml/kg /Vitlipid N 4ml/kg/ Lipid 3.4g /kg**

• Solivito will be added to aqueous PN if lipid is not prescribed. It will be added as 1ml/kg/day where possible.

• Trace elements will be added as 0.77ml/100ml to aqueous phase

• Maximum licensed dose of SMOF is 3g/kg/day.

• Aqueous PN solution of glucose concentration >12.5% or osmolarity >900mOsm/L must be infused via central line.

• Lipid syringes must be changed every 24 hours.

• Minimum overage for aqueous PN is 100ml and for lipid is 10ml (syringe).

• Chloride will be capped at 6mmol/kg/day unless otherwise specified. Aim for Chloride:Acetate molar ratio of 2:1. Seek clarification if acetate provided exceeds chloride. Chloride value will vary if any of the electrolytes is not ordered as standard. If a specific Chloride value is required, cross off "STD" and fill in the specific Chloride requirement.

**Recommended intake for stable growth  
[NICE 2021/ESPGHAN 2018]**

Energy kcal/kg/day	75-120kcal/kg/day
Lipid g/kg/day	3-4g
Nitrogen g/kg/day	0.43 -0.58g/kg/day
Amino acid g/kg/day	3.0-4.0g/kg/day
Carbohydrate g/kg/day	9.0-16g/kg/day
Sodium mmol/kg/day	D1&2 0-2; D3 0-(3-5); D4+ 2-5
Potassium mmol/kg/day	D1-3 0-3; D4+2-3
Calcium mmol/kg/day	0.8-1.0 day 1; 1.5-2.0 growing
Magnesium mmol/kg/day	0.1-0.2 first days of life; 0.2-0.3 growing
Phosphate mmol/kg/day	1.0 day 1; 2.0 growing
Chloride mmol/kg/day	D1-3 0-3; D4 2-5