

Supplementary Table S1. Composition of dietary products used for the EN plan.

|  | Phenyl-free 2HP®  | PKU sphere 15®  | Fresubin Original Fibre EasyBag®   | Duocal®   | Prozero®  |
|--|---|---|--|---|---|
| <b>Manufacturer</b>                        | Reckitt Benckiser Group PLC, Slough, United Kingdom.                  | Vitaflor a Nestlé Health Science Company, Vevey, Switzerland.                         | Fresenius Kabi, Bad Homburg, Germany.  | Nutricia N.V., Zoetermeer, The Netherlands.   | Vitaflor a Nestlé Health Science Company, Vevey, Switzerland. |
| <b>Description</b>                         | Vanilla flavored high-protein Phe-free L-amino acid powdered formula. | Vanilla flavored low-Phe powdered formula containing casein glycomacropeptide (CGMP). | Unflavored liquid intended for the dietary management of any patients at risk of malnutrition. | A high-energy powdered product that contains a dual energy source of carbohydrates and fat. | Protein-free, liquid blend of carbohydrate and fat.           |
| <b>Energy (Kcal)</b>                       | <b>390.0</b>  | <b>338.0</b>  | <b>100.0</b>   | <b>492.0</b>  | <b>67.0</b>   |
| <b>Protein equivalents (g)</b>             | <b>40.0 (Phe 0.0 mg)</b>  | <b>56.0 (Phe 104 mg)</b><br>CGMP to AA ratio of 60:40                                 | <b>3.8 (Phe 210 mg)</b><br>40% casein; 10% lactoprotein; 50% soya                              | <b>0.0 (Phe 0 mg)</b>   | <b>0.0 (Phe 0 mg)</b>   |
| <b>Carbohydrates (g)</b>                   | <b>44.0</b>   | <b>18.0</b>   | <b>13.8</b>  | <b>72.7</b>   | <b>8.1</b>  |
| • Monosaccharides                          | -   | 1.6   | 0.2  | 1.4   | 0.05  |
| • Maltose                                  | -   | -   | 0.7  | 5.1   | 0.25  |
| • Sucrose                                  | 22.0  | 6.3   | -  | -   | -   |
| • Maltodextrin                             | -   | 3.4   | *  | 7.3 (maltotriose)   | 4.8   |
| • Polysaccharides (e.g. starch)            | 21.3  | 10.4  | 13.8 (no starch)*  | 58.9  | 0.3   |
| <b>Fibre (g)</b>                           | 0.0   | 0.0   | 1.5  | 0.0   | 0.0   |
| <b>Lipids (g)</b>                          | 6.3   | 4.5   | 3.4  | 22.3  | 3.8   |
| <b>Osmolality (mOsm/Kg H<sub>2</sub>O)</b> | Dilution 1:4 = 1070<br>mOsm/L (osmolarity)                            | 770   | 330  | Dilution 1:4 = 196; 1:3 = 310; 1:2 = 525  | 200   |

The nutritional information of dietary products is expressed per 100g or 100mL. The carbohydrate profile is expressed in g/100 g or 100 mL unless otherwise specified.

\*Information regarding oligo and polysaccharide content is provided as a whole. Only Fresubin Original Fibre EasyBottle® contains starch, but not the EasyBag® presentation.