

# Medicines Optimisation

## *Sip Feeds cost per 1000 patients For use in Cumbria*

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| <b>Version issue date:</b>          | 18/08/2017        |
| <b>Date of MO Q&amp;G approval:</b> | 18/08/2017        |
| <b>Date of review:</b>              | August 2019       |
| <b>Circulation:</b>                 | Internal/External |

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# 1. Introduction

## 1.1. What is a care bundle?

A care bundle is a set of interventions that, when used together, significantly improve patient outcomes. The measures chosen reflect best practice and are based on NICE quality standards or other national guidance. Care bundles have been used extensively and successfully in Secondary Care, their use in Primary Care is more recent. This care bundle is based on the work of Healthcare Improvement Scotland and the Scottish Patient Safety Programme in Primary Care.

**Reliability in health care is a failure-free operation over time. This equates to ensuring patients receive all the evidence-based care they are entitled to receive.**

A care bundle is a structured way of improving processes of care to deliver enhanced patient safety and clinical outcomes. In relation to care bundles, this means ensuring that patients receive optimum care at every contact. The process for achieving reliability is to implement this set of measures (a care bundle). The key measure in a care bundle is the score which measures the level of compliance with all measures for all patients.

The care bundle data collection tool is a way of sampling whether optimum care is being delivered by applying the bundle to a sample of patients. This approach is therefore very different from traditional auditing approaches that are designed to identify whether individual measures are being implemented.

## 1.2. What makes up a care bundle?

- 4-5 measures
- All or nothing compliance
- Measurement done by a non-clinician if possible
- Spread over patient's journey
- Evidence based
- Creates teamwork and communication
- Multiple functions of care essential for desired outcome

### 1.2.1. How should a care bundle be used in practice?

A care bundle is a quality improvement tool which can be used in general practice to identify both where care is in line with best practice and where improvements are needed. Some are disease specific and some are medication specific. The latter are also known as patient safety bundles as they relate to high risk medication.

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Bringing about changes in practice is not easy. To be an effective tool the results of the care bundle measurements must be discussed by ALL members of the team involved in the care of the patient. The practice team then need to take ownership of the issues identified and commit to changing the way care is provided, using tools such as the PDSA cycle.

Principles of successful measurement:

- The support of all members of the practice team should be obtained
- Data should be collected anonymously
- The results should be discussed by every member of the team
- The results should be used to plan and implement improvement initiatives
- Clinician support may be needed initially by the data collector until they are familiar with the measures.

### 1.3. Records

The care bundle is not a performance tool and so there is no requirement to report the measures achieved. The practice should keep a reflective log of improvements.

### 1.4. Resources

This care bundle has the following supporting resources:

- A word document data collection form
- An excel spreadsheet data collection form with a graphing function
- A reflective log template

Further information on Care Bundles and Improvement Models can be found at [www.healthcareimprovementscotland.org/pspc.aspx](http://www.healthcareimprovementscotland.org/pspc.aspx)

Further advice can be obtained from the Medicines Optimisation team, and specific queries about this care bundle can be directed to the author (details are on the front page).

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## 2. Sip feeds cost per 1000 patients

### 2.1. Search Criteria

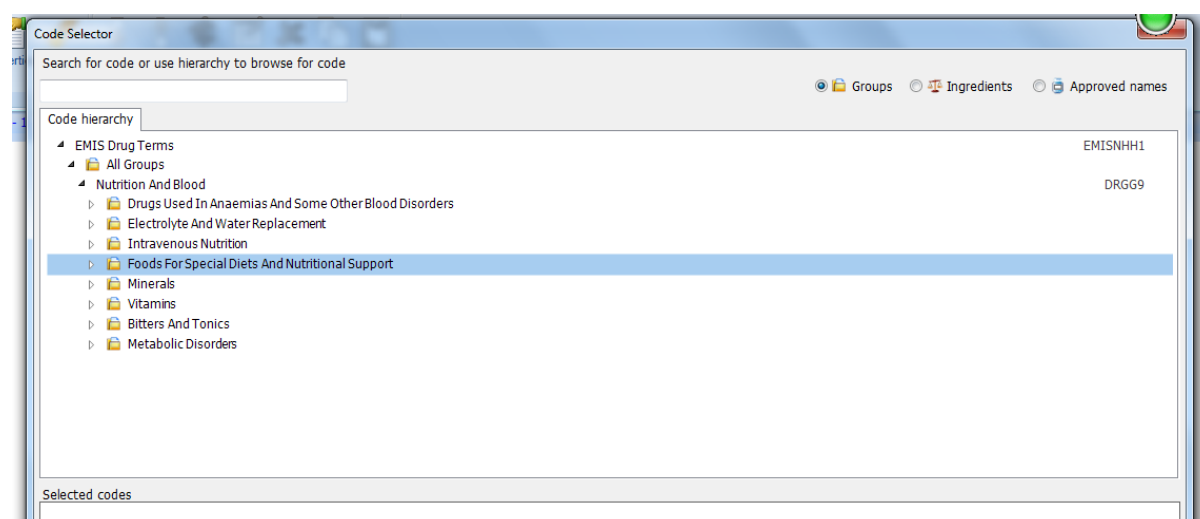
Please identify a random sample of up to 20 adult patients a month in your practice taking a sip feed. A list of products included in the PrescQipp tag for sip feeds can be found in Appendix 2.

Due to the large number of products included in the PrescQipp tag, a suggested method for searching in Emis Web is as follows:

Add first “rule” → “feature” → “medication” → “medication issues”

Add “criteria” → “Drug” → “new code list”.

With “Groups” checked, select “Emis drug terms” → “All groups” → “Nutrition and Blood” → “Foods for special diets and nutritional support”.



Add “criteria” → “Medication course” → “course status (current, past, etc.)” → check box next to current.

However, this method will select **all** nutrition including tube feeds, infant formula feeds, etc. so you will need to remove these from your search **after** you have found all patients as there are too many products to exclude them all as you build the search.

Use the data collection form to record the answer to each measure and transfer this to the spreadsheet. This should be repeated over a period of time, and the results discussed by the clinical team at regular intervals. Use of the spreadsheet will

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enable changes in practice to be monitored and compliance with the care bundle to be measured.

## 2.2. Measures

01

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|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Measure</b>   | Is there a reason for weight loss/malnutrition documented in the patient notes which is an indication agreed by the Advisory Committee on Borderline Substances (ACBS)?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Rationale</b> | <p>Sip feeds can only be prescribed on FP10 prescriptions for specific indications as agreed by the Advisory Committee on Borderline Substances (ACBS). If a patient does not have one or more of these indications, sip feeds should not be prescribed.</p> <p>Standard ACBS indications are:</p> <ul style="list-style-type: none"> <li>• Disease related malnutrition</li> <li>• Intractable malabsorption</li> <li>• Pre-operative preparation of malnourished patients</li> <li>• Dysphagia</li> <li>• Proven inflammatory bowel disease</li> <li>• Following total gastrectomy</li> <li>• Short bowel syndrome</li> <li>• Bowel fistula.</li> </ul> <p>See individual BNF entries for product specific approved indications.</p> |
| <b>Source</b>    | BNF 70. September 2015-March 2016. P1262-1278. See individual entries for product specific approved indications.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

02

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|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Measure</b>   | Is there a BMI or weight recorded in the patient notes at the time weight loss or risk of malnutrition became a concern?                                                                               |
| <b>Rationale</b> | BMI (or weight and height) are useful clinical measurements which provide a reliable baseline for measuring treatment effects and also in future episodes of care.                                     |
| <b>Source</b>    | <p>National Institute for Clinical Excellence: CG32. Nutrition Support for Adults. February 2006.</p> <p><a href="https://www.nice.org.uk/guidance/cg32">https://www.nice.org.uk/guidance/cg32</a></p> |

03

|                  |                                                                                                                                                              |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Measure</b>   | Are clear treatment goals documented in the patient notes?                                                                                                   |
| <b>Rationale</b> | Clear treatment goals should be documented in the patient notes to ensure that prescribing of sip feeds is working towards achieving that goal. The movement |

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|               |                                                                                                                                                                                             |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|               | towards that goal can be monitored and the appropriateness of the goal reviewed as necessary.                                                                                               |
| <b>Source</b> | National Institute for Clinical Excellence: CG32. Nutrition Support for Adults. February 2006.<br><a href="https://www.nice.org.uk/guidance/cg32">https://www.nice.org.uk/guidance/cg32</a> |

04

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Measure</b>   | Has the patient/carer been given verbal and written advice about using food first principles and fortifying the diet?                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Rationale</b> | <p>Treatment options in patients at risk of malnutrition include:</p> <ul style="list-style-type: none"> <li>• Increasing menu choice and provision of snacks</li> <li>• Supervision/support at mealtimes</li> <li>• Food fortification</li> <li>• Oral nutritional supplements (ONS)</li> <li>• Vitamin and mineral supplements to meet dietary reference values.</li> </ul> <p>These options are not exclusive and can be used in combination. Food fortification ideally should be before prescribing ONS, but can be in addition to prescribing.</p> |
| <b>Source</b>    | National Institute for Clinical Excellence: CG32. Nutrition Support for Adults. February 2006.<br><a href="https://www.nice.org.uk/guidance/cg32">https://www.nice.org.uk/guidance/cg32</a>                                                                                                                                                                                                                                                                                                                                                              |

05

|                  |                                                                                                                                                                                                                                                                                                                                                                                                             |
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| <b>Measure</b>   | Has the patient's weight been reviewed regularly (every three to six months or more frequently if clinical need) to check if treatment goals have been met?                                                                                                                                                                                                                                                 |
| <b>Rationale</b> | <p>Healthcare professionals should review the indications, route, risks, benefits and goals of nutrition support at regular intervals. The time between reviews depends on the patient, care setting and duration of nutrition support.</p> <p>Patients in the community receiving sip feeds should be monitored every 3–6 months or more frequently if there is any change in their clinical condition</p> |
| <b>Source</b>    | National Institute for Clinical Excellence: CG32. Nutrition Support for Adults. February 2006.<br><a href="https://www.nice.org.uk/guidance/cg32">https://www.nice.org.uk/guidance/cg32</a>                                                                                                                                                                                                                 |

## Appendix One: Abbreviations

| Abbreviation | Definitions                                       |
|--------------|---------------------------------------------------|
| NICE         | National Institute for Health and Care Excellence |
| PDSA         | Plan, Do, Study, Act                              |
| ACBS         | Advisory Committee on Borderline Substances       |
| BNF          | British National Formulary                        |
| BMI          | Body Mass Index                                   |
| ONS          | Oral nutritional supplements                      |
|              |                                                   |
|              |                                                   |
|              |                                                   |

## Appendix Two: Sip feeds included in the PrescQipp tag “Sip feeds cost per 1000 patients”.

|                                       |                                         |                                            |
|---------------------------------------|-----------------------------------------|--------------------------------------------|
| <b>A</b> AA Mix Msud_Pdr              | Aymes Shake_Pdr (Banana)                | Calogen_Emuls (Sbery)                      |
| AA Mix_Code 637 (Methionine Free) Pdr | Aymes Shake_Pdr (Choc)                  | Caloreen_Pdr                               |
| Advera_Liq Feed (Flav)                | Aymes Shake_Pdr (Neutral)               | Calshake_Pdr Sach 87g (Banana)             |
| Advera_Liq Feed Orange                | Aymes Shake_Pdr (Sbery)                 | Calshake_Pdr Sach 87g (Neutral)            |
| Albumaid_Complete Pdr                 | Aymes Shake_Pdr (Vanilla)               | Calshake_Pdr Sach 87g (Sbery)              |
| Albumaid_Cystine Low Pdr              | Aymes Shake_S/Pack Pdr                  | Calshake_Pdr Sach 87g (Vanilla)            |
| Albumaid_Methionine Low               | Aymes_Pdr Sach 38g (Banana)             | Calshake_Pdr Sach 90g (Choc)<br>Calsip_Liq |
| Albumaid_Rvhh Complete Pdr            | Aymes_Pdr Sach 38g (Choc)               | (Apple,Neutral,P/apple)<br>Carbzero_Liq    |
| Albumaid_Rvhh Pdr                     | Aymes_Pdr Sach 38g (Sbery)              | Casilan 90_Whole Protein Pdr               |
| Albumaid_X.P. Conc Pdr                | Aymes_Pdr Sach 38g (Vanilla)            | Clinifed Favour_Liq (Coffee)               |
| Albumaid_X.P. Pdr                     | Aymes_Pdr Sach 49g (Chicken)            | Clinifed Iso_Liq (Vanilla)                 |
| Albumaid_X.P.Spec 15 Pdr              | <b>B</b> Basecal100_Oral Pdr Sach 21.5g | Clinifed Protein Rich_Liq (Vanilla)        |
| Alembicol D_Mct Oil                   | Basecal200_Oral Pdr Sach 43g            | Clinutren 1.5 Fibre_G/F Liq (Plum)         |
| Alitraq_Pdr Sach 76g (Flav)           | Betaquik_Liq                            | Clinutren 1.5 Fibre_G/F Liq (Vanilla)      |
| Amino Acid_Flav (Blkcurrant,P/apple)  | Build-Up_Fortified Soup Sach            | Clinutren 1.5_Liq (Flav)                   |
| Amino Acid_Mix                        | Build-Up_Natur                          | Clinutren Fruit_Liq (Grapefruit)           |
| Amino Acid_Mix (Specification 05)     | Build-up_Nutrit Shake Sach 38g (Banana) | Clinutren ISO_Liq (Choc)                   |
| Amino Acid_Mix Methionine Free        | Build-up_Nutrit Shake Sach 38g (Choc)   | Clinutren ISO_Liq (Coffee)                 |
| Amino Acid_Mix Methionine Free        | Build-up_Nutrit Shake Sach 38g (Sbery)  | Clinutren ISO_Liq (Flav)                   |
| Amino/Keto Acid Mix_                  | Build-up_Nutrit Shake Sach 38g(Lem&Lim) | Clinutren ISO_Liq (Sbery-Rasp)             |
| Aminogran_Food Supp Pdr               | Build-up_Nutrit Shake Sach 38g(Vanilla) | Clinutren ISO_Liq (Vanilla)                |
| Aminogran_Food Supp Tab 1g            | Build-up_Nutrit Soup Sach 49g (4 Flav)  | Clinutren Jnr_Liq                          |
| Aminogran_Mineral Mix Pdr             | Build-up_Orig Pdr                       | Clinutren Plus Fibre_Mix (3 Flav)          |
| Analog_Specials Pdr                   | <b>C</b> Calogen (L.C.T.)_Emuls (Bs)    | Clinutren_Dessert (Caramel)                |
| Arach Oil_Emuls 50%                   | Calogen Extra Shots_Emuls (2 Flav)      | Clinutren_Dessert (Choc)                   |
| Arach Oil_Emuls 50%@gn                | Calogen Extra_Emuls (2 Flav)            | Clinutren_Dessert (Flav)                   |
| Aymes Complete Starter Pack_Liq       | Calogen_Emuls (Banana)                  | Clinutren_Dessert (Peach)                  |
| Aymes Complete_Liq (4 Flav)           | Calogen_Emuls (Neutral)                 | Clinutren_Dessert (Vanilla)                |

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| Clinutren_Mix (5 Flav)                  | Elemental 028_Tab                        | Ensure Shake_Oral Pdr Sach 57g (Sbery)    |
| Clinutrin 1.0_Liq Diet                  | Emsogen_Pdr Sach 100g                    | Ensure Shake_Oral Pdr Sach 57g (Vanilla)  |
| Clinutrin 1.5_Liq Diet                  | Emsogen_Pdr Sach 100g Orange             | Ensure TwoCal_Liq (4 Flav)                |
| Complan_Flav Sach Choc,Mush,Sbery 58g   | Energivit_Pdr (Neutral)                  | Ensure_Bar (Flav)                         |
| Complan_Liq Feed (Flav)                 | Enlive_Liq (8 Flav)                      | Ensure_Liq Feed (3 Flav)                  |
| Complan_Shake Pdr Sach 57g (Banana)     | Enmix Plus Commence_Liq (2200 (10x220))  | Ensure_Liq Feed Asparagus                 |
| Complan_Shake Pdr Sach 57g (Choc)       | Enrich_Liq Feed H/Fbre (Flav)            | Ensure_Liq Feed Chicken                   |
| Complan_Shake Pdr Sach 57g (Milk)       | Enrich_Liq Feed H/Fbre Chocolate         | Ensure_Liq Feed Choc                      |
| Complan_Shake Pdr Sach 57g (Sbery)      | Enshake_Pdr Sach 96.5g (Banana)          | Ensure_Liq Feed Coffee                    |
| Complan_Shake Pdr Sach 57g (Vanilla)    | Enshake_Pdr Sach 96.5g (Choc)            | Ensure_Liq Feed Egg Nogg                  |
| Complan_Shake S/Pack Sach               | Enshake_Pdr Sach 96.5g (Sbery)           | Ensure_Liq Feed Mushroom                  |
| Complete Amino Acid Mix_Pdr             | Enshake_Pdr Sach 96.5g (Vanilla)         | Ensure_Liq Feed Nut                       |
| Cystine_Oral Pdr                        | Ensure Compact_Liq (3 Flav)              | <b>F</b> Fat Free Modjul_Pdr              |
| Cystine_Pdr Sach 500mg                  | Ensure_Pdr (Flav)                        | Flexical_Unflav Pdr                       |
| Cystine500_Pdr Sach 4g                  | Ensure Plus Advance_Liq (3 Flav)         | Foodlink_Complete Food Drink (4 Flav)     |
| <b>D</b> Dialamine_Pdr (Flav)           | Ensure Plus Commence_Liq (2200 (10x220)) | Foodlink_Complete Food Drink+Fib (Van)L/F |
| DocOmega_Pdr Sach 4g                    | Ensure Plus_Creme (4 Flav)               | Foodlink_Complete Food Drink+Fibre (Van)  |
| Duobar_Bar (Neutral)                    | Ensure Plus Fibre_Liq Feed (5 Flav)      | Foodlink_Complete S/Pack Pdr              |
| Duobar_Bar (Neutral)                    | Ensure Plus Juce_Liq Feed (6 Flav)       | Foodlink_Food Drink Sach 63g (Vanilla)    |
| Duobar_Bar (Sbery)                      | Ensure Plus_Liq Feed Banana              | Forceval Protein_Pdr (Choc)               |
| Duobar_Bar (Toffee)                     | Ensure Plus_Liq Feed Blkcurrant          | Forceval Protein_Pdr (Natur)              |
| Duocal_Liq                              | Ensure Plus_Liq Feed Caramel             | Forceval Protein_Pdr (Sbery)              |
| Duocal_Mct                              | Ensure Plus_Liq Feed Choc                | Forceval Protein_Pdr (Vanilla)            |
| Duocal_Pdr                              | Ensure Plus_Liq Feed Coffee              | Forceval Protein_Pdr Orange               |
| <b>E</b> EAA Supp_Pdr Sach 12.5g        | Ensure Plus_Liq Feed Fruit Of The Forest | Forceval Protein_Pdr Sach Choc 18g        |
| Elemental 028 Ex_Liq (3 Flav)           | Ensure Plus_Liq Feed Orange              | Forceval Protein_Pdr Sach Choc 36g        |
| Elemental 028 Ex_Pdr Fat Free Code 274  | Ensure Plus_Liq Feed Rasp                | Forceval Protein_Pdr Sach Cust 15g        |
| Elemental 028 Ex_Pdr Sach 100g (3 Flav) | Ensure Plus_Liq Feed Sbery               | Forceval Protein_Pdr Sach Natur 15g       |
| Elemental 028 Ex_Pdr Sach 100g Orange   | Ensure Plus_Milkshake Style Liq(10 Flav) | Forceval Protein_Pdr Sach Natur 30g       |
| Elemental 028_Pdr Orange                | Ensure Plus_Savoury Liq Feed (2 Flav)    | Forceval Protein_Pdr Sach Orange 15g      |
| Elemental 028_Pdr Sach 100g (Flav)      | Ensure Plus_Yog Style Liq Feed (2 Flav)  | Forceval Protein_Pdr Sach Sbery 15g       |
| Elemental 028_Pdr Sach 100g Orange      | Ensure Shake_Oral Pdr Sach 57g (Banana)  | Forceval Protein_Pdr Sach Sbery 30g       |

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|-------------------------------------------|-------------------------------------------|-------------------------------------------|
| Elemental 028_Pdr Unflav                  | Ensure Shake_Oral Pdr Sach 57g (Choc)     | Forceval Protein_Pdr Sach Vanilla 15g     |
| Forceval Protein_Pdr Sach Vanilla 30g     | Fortisip Compact Fibre_Liq S/Pack         | Fortijuice_S/Pack Liq                     |
| Fortical_Liq                              | Fortisip Compact Protein_Liq (4 Flav)     | Fortimel Regular_Liq (4 Flav)             |
| Fortical_Liq Apricot                      | Fortijuice_Liq (7 Flav)                   | Fresubin Creme_Dessert (Vanilla)          |
| Forticare_Liq (Cappuccino)                | Fortijuice_S/Pack Liq                     | Fresubin Creme_Dessert (Wild Strawberry)  |
| Forticare_Liq (Orange & Lem)              | Fortimel Regular_Liq (4 Flav)             | Fresubin Energy Fibre_Liq (6 Flav)        |
| Forticare_Liq (Peach & Ginger)            | Fresubin YOcreme_Dessert (Raspberry)      | Fresubin Energy_Liq (9 Flav)              |
| Forticreme Complete_Dessert (Banana)      | Fresubin_Nut,Peach & Vanilla Liq          | Fresubin High energy (Choc,Sbery,Vanilla) |
| Forticreme Complete_Dessert (Choc)        | Fresubin YOcreme_Dessert (Biscuit)        | Fortini_1.0 Multi Fibre Liq (4 Flav)      |
| Forticreme Complete_Dessert (F/Fruits)    | Fresubin YOcreme_Dessert (Lemon)          | Fortipudding_Dessert (Choc)               |
| Forticreme Complete_Dessert (Vanilla)     | Fresubin YOcreme_Dessert (Neutral)        | Fortipudding_Dessert (Coffee)             |
| Forticreme_Dessert (Banana)               | Fresubin_Vanilla Liq                      | Fortipudding_Dessert (Vanilla)            |
| Forticreme_Dessert (Choc)                 | Fsc_Glutamine Pdr                         | Fresubin 2kcal Creme_Dessert (Choc)       |
| Fortisp_2kcal (2 Flav)                    | Fresubin 2kcal Creme_Dessert (Cappuccino) | Fresubin 2kcal Creme_Dessert (Praline)    |
| Forticreme_Dessert (Coffee)               | Fortisip Compact Fibre_Liq (3 Flav)       | Fresubin 2kcal Creme_Dessert (Vanilla)    |
| Forticreme_Dessert (Forest Fruits)        | Fortisip Compact Fibre_Liq S/Pack         | Fresubin 2kcal Creme_Dessert (WildSbery)  |
| Forticreme_Dessert (Vanilla)              | Fortisip Compact Protein_Liq (4 Flav)     | Fresubin 2kcal Fibre_Drink (6 Flav)       |
| Fresubin Pdr Extra_Pdr Sach 62g (Vanilla) | Fortisip Compact Protein_S/Pack Liq       | Fresubin 2kcal_Drink (6 Flav)             |
| Fresubin Plus F_Muesli                    | Fortisip Compact_Liq (7 Flav)             | Fresubin 5kcal Shot_Drink (Lemon)         |
| Fresubin Plus F_Veg Soup                  | Fortisip Compact_S/Pack Liq               | Fresubin 5kcal Shot_Drink (Neutral)       |
| Fresubin Protein Energy_Drink (5 Flav)    | Fortisip Extra_Liq (5 Flav)               | Fresubin 750_Liq (Vanilla)                |
| Fresubin YOcreme_Dessert (Apricot-Peach)  | Fortisip Extra_S/Pack                     | Fresubin Creme_Dessert (Cappuccino)       |
| Fortifresh_Liq (Flav)                     | Fortisip Range_S/Pack                     | Fresubin Creme_Dessert (Caramel)          |
| Fortify_Flav                              | Fortisip_Flav Tester Pack                 | Fresubin Creme_Dessert (Choc)             |
| Fortify_Natur                             | Fortisip_M/Fibre Liq                      | Fresubin Creme_Dessert (Praline)          |
| Fortijuice_Liq (7 Flav)                   | Fortisip_Protein Liq (Apricot)            | Fresubin Orig_Liq (Flav)                  |
| Fortijuice_S/Pack Liq                     | Fortisip_Savoury M/Fibre Liq (Chicken)    | Fresubin Pdr Extra_Pdr Sach 62g (Choc)    |
| Fortimel Regular_Liq (4 Flav)             | Fortisip_Stnd                             | Fresubin HP Energy Fibre_Liq              |
| Fortini_1.0 Multi Fibre Liq (4 Flav)      | Fortisip_Yogurt Style Liq (3 Flav)        | Fresubin Jucy_Drink (5 Flav)              |
| Fortipudding_Dessert (Choc)               | Fortison_Energy-Plus                      | Fresubin Orig_Liq (5 Flav)                |
| Fortipudding_Dessert (Coffee)             | Fortison_Fibre                            | Fresubin Pdr Extra_Pdr Sach 62g (Sbery)   |
| Fortipudding_Dessert (Vanilla)            | Fortison_Soya                             | Fresubin Pdr Extra_Pdr Sach 62g(Neutral)  |
| Fortisip Bottle_Liq (8 Flav)              | Fortison_Stnd                             | Fortisip Bottle_Liq (8 Flav)              |

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| Fortisip Compact Fibre_Liq (3 Flav)           | Fortijuice_Liq (7 Flav)                  | <b>G</b> GA amino5_Oral Pdr Sach 6g      |
| Generaid Plus_Pdr                             | KetoCal_Pdr (Unflav)                     | M.C.T._Oil                               |
| Generaid_Pdr                                  | KetoCal_Pdr (Vanilla)                    | Maltodextrin_Liq                         |
| Glucojuice_Liq                                | KeyOmega_Pdr Sach 4g                     | Maltodextrin_Pdr                         |
| Glucose + Trace Elements_Pdr                  | Kindergen High Energy_Pdr                | Maxamaid_Complete Pdr                    |
| Glucose Syr/Low-Electrolyte/Protein-Fre_      | <b>L</b> L-Alanine_Pdr                   | Maxamaid_Specials Pdr                    |
| Glucose_(S) For Oral Use BP 1980              | L-Carnitine_Pdr Sach 1g                  | Maxamaid_XI Pdr (Unflav)                 |
| Glucose_Anhy (S)                              | L-Citrulline_Pdr                         | Maxamum_Specials Pdr                     |
| Glucose_Liq 15g                               | L-Cystine 500_Pdr Sach 2.5g              | Maxijul Super Solb_Pdr                   |
| Glucose_Liq BPC 1963                          | L-Cystine_Pdr                            | Maxijul Super Solb_Pdr Sach 132g         |
| GlutaminOx 10_Pdr Sach 10g                    | Leppin_Squeezy Racer Liq (3 Flav)        | Maxijul Super Solb_Pdr Sach 140g         |
| GlutaminOx 2_Pdr Sach 2g                      | Leucine_Pdr Sach 100mg                   | Maxijul_L.E. Pdr                         |
| GlutaminOx 5_Pdr Sach 5g                      | Leucine100_Pdr Sach 4g                   | Maxijul_Liq (1 Flav)                     |
| Glycine_Pdr                                   | L-Glutamic Acid_Pdr                      | Maxipro Super Solb_Pdr                   |
| Glycosade_Pdr Sach 60g                        | L-Glutamine_Pdr                          | Maxipro_Pdr                              |
| Gppe Liq_Fortison Soya                        | L-Glutamine_Pdr Sach 10g                 | Maxisorb_Choc Dessert Pdr Sach 30g       |
| Gppe Liq_Hycal                                | L-Glutamine_Pdr Sach 2g                  | Maxisorb_Crm Of Chicken Soup Pdr Sach30g |
| Gppe Liq_Maxijul                              | L-Glutamine_Pdr Sach 5g                  | Maxisorb_Crm Of Veg Soup Pdr Sach 30g    |
| Gppe Pdr Sach_Maxijul Super Solb 140g         | Lipistart_Pdr                            | Maxisorb_Pdr Sach 30g Choc/Sbery/Vanilla |
| Gppe Pdr_Caloreen                             | Liquigen_Emuls                           | Maxisorb_Sbery Dessert Pdr Sach 30g      |
| Gppe Pdr_Maxijul Super Solb                   | Liquisorb_(Banana,Neutral,Sbery,Vanilla) | Maxisorb_Vanilla Dessert Pdr Sach 30g    |
| Gppe Pdr_Promod                               | Liquisorb_(Choc)                         | MCT step 1_Pdr                           |
| <b>H</b> HCU Express 15_Pdr Sach 25g (Unflav) | Liquisorb_(Sbery,Vanilla)                | MCTprocal_Pdr Sach 16g                   |
| Hepa-Merz_Gran Sach 3g                        | Liquisorb_High Energy                    | Medium Chain Triglycerides_Oil           |
| Hepatamine_Pdr                                | Liquisorbon MCT_Liq (3 Flav)             | Medium Chain Triglycerides_Pdr           |
| Hepatic Aid_Sach                              | L-Leucine 100_Pdr Sach 2.5g              | Meritene Energis_Pdr (3 Flav)            |
| H/Nature_Glutamine Pdr                        | L-Methionine_Pdr                         | Meritene Energis_Pdr Sach 30g (Choc)     |
| Hycal_Liq                                     | L-Methionine_Pdr Sach 10g                | Meritene Energis_Pdr Sach 30g (Sbery)    |
| Hydrolysed Whey Protein Maltodextrin_Mix      | Lorenzo's_Oil                            | Meritene Energis_Pdr Sach 30g (Vanilla)  |
| <b>I</b> Impact_Glutamine Liq                 | Low Fat 1+ Module_G/F Pdr                | Meritene Energis_Soup Pdr Sach 50g (Veg) |
| Impact_Liq                                    | L-Phenylalanine_Pdr                      | Meritene Energis_SoupPdrSach 50g(Chkn)   |
| <b>K</b> KetoCal 3:1_Pdr                      | <b>M</b> M.C.T.(1)_Pdr                   | Meritene Mobilis_Pdr                     |
| KetoCal 4:1_LQ Liq (Unflav)                   | M.C.T._Oil                               | Metabolic_Mineral Mix Pdr                |

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|-------------------------------------------------|------------------------------------------|-----------------------------------------|
| KetoCal 4:1_LQ Liq (Vanilla)                    | M.C.T._Oil                               | Metabolic_Mineral Mix Pdr Sach 4g       |
| Milupa_Lpd Pdr                                  | Oral Impact_Oral Pdr Sach 74g (Tropical) | Polycal_Liq Blkcurrant                  |
| Minaphlex_Pdr Sach 29g (Trop Twist)             | Oral Impact_Pdr Sach 74g (3 Flav)        | Polycal_Liq Lem                         |
| Modulen IBD_Pdr                                 | Peptide AA Module_Pdr                    | Polycal_Liq Orange                      |
| <b>N</b> Nepro_Liq (Sbery)                      | Peptide Flav_Orange Sach 10g             | Polycal_Pdr                             |
| Nepro_Liq (Vanilla)                             | Peptide Flav_Sbery Sach 10g              | Polycose_Carbohydrate Supp Liq          |
| Nestle Clinical Nutrit_Sach 3g (Banana)         | Peptide Flav_Vanilla Sach 10g            | Polycose_Carbohydrate Supp Pdr (Unflav) |
| Nestle Clinical Nutrit_Sach 3g (Choc)           | Pept_Amino Acid Mix Pdr                  | Polyglucose Polymer_Pdr                 |
| Nestle Clinical Nutrit_Sach 3g (Coffee)         | Peptamen_Flav Sach 4g (5 Flav)           | Portagen_Pdr                            |
| Nestle Clinical Nutrit_Sach 3g (Sbery)          | Peptamen_Flav Sach 4g (Cappuccino)       | Pro-Cal Singles_G/F (Neutral)           |
| Nestle Clinical Nutrit_Sach 3g(Lem & Lim        | Peptamen_Flav Sach 4g (Choc Dream)       | Pro-Cal Singles_G/F (Sbery)             |
| NKH Anamix Infant_Pdr                           | Peptamen_Flav Sach 4g (Sbery & Banana)   | Pro-Cal Singles_G/F S/Pack              |
| Nutrauxil_Liq                                   | Peptamen_Liq Diet (Orange)               | Pro-Cal_Pdr                             |
| Nutrauxil_Sip                                   | Peptamen_Liq Diet (Sbery)                | Pro-Cal_Pdr S/Pack                      |
| Nutricia_NutriPlus Bar (2 Flav)                 | Peptamen_Liq Diet (Vanilla)              | Pro-Cal_Pdr Sach 15g                    |
| Nutricia_NutriPlus Drink (2 Flav)               | Peptamen_Liq Diet (Vanilla)              | Pro-Cal_Shot Liq (3 Flav)               |
| Nutricia_NutriPlus Mix Sach 36g (Orig)          | Peptisorb_Pdr Sach 126g                  | Pro-Cal_Shot Liq (Banana)               |
| Nutricia_NutriPlus Mix Sach 36g (Sbery)         | Phenylalanine 50_Pdr Sach 4g             | Pro-Cal_Shot Liq (Neutral)              |
| Nutricia_NutriPlus Mix Sach 36g(Vanilla)        | ProSource Plus_Liq Sach 30ml(Orng Creme) | Pro-Cal_Shot Liq (Sbery)                |
| Nutricia_NutriPlus Mix Sach 37g (Choc)          | ProSource Plus_Liq Sach30ml(CitrusBerry) | Pro-Cal_Shot S/Pack                     |
| Nutricia_preOp Liq                              | ProSource_Jelly (2 Flav)                 | Pro-Cal_Shot S/Pack 240ml               |
| Nutricrem_Dessert (Choc Orange)                 | Prosparyl_Emuls                          | Pro-Cal_Shot S/Pack 360ml               |
| Nutricrem_Dessert (Sbery)                       | ProSure_Complete Liq (Banana)            | Promod_Pdr (Unflav)                     |
| Nutricrem_Dessert (Vanilla)                     | ProSure_Complete Liq (Vanilla)           | <b>Q</b> QuickCal_Pdr                   |
| Nutricrem_S/Pack Dessert                        | Protenplus_Liq (4 Flav)                  | QuickCal_Pdr Sach                       |
| Nutriplen Protein_Liq (Sbery)                   | Protifar_Conc Milk Protein               | QuickCal_Pdr Sach 13g                   |
| Nutriplen Protein_Liq (Vanilla)                 | Protipudding_Coffee, Van, Choc           | <b>R</b> Reabilan_                      |
| Nutriplen_Liq (Banana)                          | Provide Xtra_Liq Supp (5 Flav)           | Renamil_Pdr Sach 100g                   |
| Nutriplen_Liq (Hazel Choc)                      | Provide_Fruit Drink (Flav)               | Renamil_Pdr Sach 500g                   |
| Nutriplen_Liq (Sbery)                           | ProZero_Liq                              | Renapro_Pdr                             |
| Nutriplen_Liq (Vanilla)                         | Pulmocare_Liq (1 Flav)                   | Renapro_Pdr Sach 20g                    |
| Nutriplen_Starter Pack Liq                      | Pulmocare_Liq (Unflav)                   | Renapro_Shot Btl 60ml                   |
| <b>O</b> Oral Impact_Oral Pdr Sach 74g (Citrus) | Polycal_Liq (2 Flav)                     | Renilon 7.5_Liq (2 Flav)                |

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| Oral Impact_Oral Pdr Sach 74g (Coffee)   | Polycal_Liq Apple                        | Resource SeniorActiv_Liq (Sbery Bisc)     |
| Resource SeniorActiv_Liq(Caramel Toffee) | Seravit_Renal Paed                       | Vegenat-med_NP Pdr Sach 110g D/Pk Apple   |
| Resource SeniorActiv_Liq(Creamy Vanilla) | Seravit_Trace Element & Vit Mix          | Vegenat-med_NP Pdr Sach 110g D/Pk Choc    |
| Resource_2.0 Fibre Liq Feed (6 Flav)     | SLO Milkshake+1_Pdr Sach 50g (Choc)      | Vegenat-med_NP Pdr Sach 110g D/Pk Honey   |
| Resource_Dessert Energy (3 Flav)         | SLO Milkshake+1_Pdr Sach 50g (Sbery)     | Vegenat-med_NP Pdr Sach 110g D/Pk Ornge   |
| Resource_Dessert Fruit (2 Flav)          | SLO Milkshake+2_Pdr Sach 50g (Choc)      | Vitajoule_Pdr                             |
| Resource_Energy Liq (Apricot)            | SLO Milkshake+2_Pdr Sach 50g (Sbery)     | Vitajoule_Pdr Sach 130g                   |
| Resource_Energy Liq (Banana)             | Smartfish NutriFriend_1100 Juice(2 Flav) | Vital 1.5kcal_Liq                         |
| Resource_Energy Liq (Choc)               | Smartfish NutriFriend_600 Juice (2 Flav) | Vitapro 90 Instant_Pdr                    |
| Resource_Energy Liq (Coffee)             | Smartfish Recharge_Juice                 | Vitapro_Pdr                               |
| Resource_Energy Liq (Sbery-Rasp)         | Solagen_Emuls                            | Vitasavoury 200_Pdr (Chicken)             |
| Resource_Energy Liq (Vanilla)            | Suplena_Liq                              | Vitasavoury 200_Pdr (Golden Veg)          |
| Resource_Fibre Liq Feed (3 Flav)         | Supportan_Drink (2 Flav)                 | Vitasavoury 200_Pdr (Leek & Potato)       |
| Resource_Fruit Flav Drink (3 Flav)       | Supressi_Liq (2 Flav)                    | Vitasavoury 300_Pdr Sach 50g(Golden Veg)  |
| Resource_Fruit Liq (Apple)               | Survimed OPD_Liq (Neutral)               | Vitasavoury 300_Pdr Sach 50g(Leek&Potato) |
| Resource_Fruit Liq (Orange)              | T Thorne_Hydrolysed Lactalbumin Protein  | Vitasavoury_Pdr (Mushroom)                |
| Resource_Fruit Liq (Pear & Cherry)       | Tolerex_Sach 80g                         | Vitasavoury 200_Pdr (Mixed Flavours)      |
| Resource_Fruit Liq (Rasp & Blkcurrant)   | Tonexis 1.5_Liq (Flav)                   | Vitasavoury 200_Pdr (Mushroom)            |
| Resource_Protein Extra Liq (4 Flav)      | Tonexis Hp_Liq (5 Flav)                  | Vitasavoury 200_Pdr Cup 33g (Chicken)     |
| Resource_Protein Liq (4 Flav)            | Tonexis_Liq (Flav)                       | Vitasavoury 200_Pdr Cup 33g (Golden Veg)  |
| Resource_Shake Liq Feed (7 Flav)         | U UCD amino5_Oral Pdr Sach 6.6g          | Vitasavoury 200_Pdr Cup 33g (Mushroom)    |
| Resource_Support Drink (3 Flav)          | V Vegenat-med_HP Pdr Sach 110g Chicken   | Vitasavoury_Pdr (3 Flav)                  |
| Respifor_Milkshake Style Liq (3 Flav)    | Vegenat-med_HP Pdr Sach 110g Chickpea    | Vitasavoury_Pdr (Chicken)                 |
| S S.O.S. 10_Pdr Sach 21g                 | Vegenat-med_HP Pdr Sach 110g D/Pk Lem    | Vitasavoury_Pdr (Golden Veg)              |
| S.O.S. 15_Pdr Sach 31g                   | Vegenat-med_HP Pdr Sach 110g D/Pk R+Lem  | Vitasavoury_Pdr (Leek & Potato)           |
| S.O.S. 20_Pdr Sach 42g                   | Vegenat-med_HP Pdr Sach 110g D/PkR+Apple | Vitasavoury_S/Pack Pdr                    |
| S.O.S. 25_Pdr Sach 52g                   | Vegenat-med_HP Pdr Sach 110g Fish        | Vitasavoury 200_Pdr Cup 33g(Leek&Potato)  |
| Scandishake Mix_Pdr Sach 85g (Banana)    | Vegenat-med_HP Pdr Sach 110g Fish + Veg  | Vitasavoury 300_Pdr Sach 50g (Chicken)    |
| Scandishake Mix_Pdr Sach 85g (Caramel)   | Vegenat-med_HP Pdr Sach 110g Ham         | Vitasavoury 300_Pdr Sach 50g (Mushroom)   |
| Scandishake Mix_Pdr Sach 85g (Choc)      | Vegenat-med_HP Pdr Sach 110g Lentil      | Vivonex_Flav Sach 2g                      |
| Scandishake Mix_Pdr Sach 85g (Sbery)     | Vegenat-med_HP Pdr Sach 110g Veal        | Vivonex_Flav Sach 2g (Beef Broth)         |
| Scandishake Mix_Pdr Sach 85g (Unflav)    | Vegenat-med_HP Pdr Sach 110g Veg         | Vivonex_Flav Sach 2g (Orange)             |
| Scandishake Mix_Pdr Sach 85g (Vanilla)   | Vegenat-med_HP Pdr Sach 110g Winter Veg  | Vivonex_Flav Sach 2g (Sbery)              |

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| Seravit_Modified                         | Vegenat-med_HP Pdr Sach<br>110gCurryChicken | Vivonex_Flav Sach 2g (Tomato) |
| Vivonex H.N. (High Nitrogen)_Minimal Res |                                             |                               |
| <b>X</b> Xleu Faladon_Pdr                |                                             |                               |
| XPTM Tyrosidon_Pdr (Code 888)            |                                             |                               |