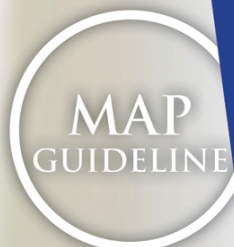


THE MAP MILK LADDER[©]



THE MAP GUIDELINE
MILK ALLERGY IN PRIMARY CARE

For Children with Mild to Moderate Non-IgE Cow's Milk Allergy
Under the Supervision of a Health Care Professional, ideally a Dietitian



STEP
12

**Pasteurised milk/
infant formula (powder)**

AMOUNT
100 mls
200 mls

STEP
11

**Sterilised milk/infant
formula (tetra packs)**

AMOUNT
100 mls
200 mls

STEP
10

Cheese

AMOUNT
25g cheese

Use hard cheese
such as Cheddar

STEP
9

Yoghurt

AMOUNT
1 pot yoghurt
(125ml)

STEP
8

**Milk chocolate
(milk chocolate buttons)**

AMOUNT
10g chocolate
Milk chocolate buttons
(½ bag or 35g)

STEP
7

Pizza

	PURCHASED	HOME-MADE
	½ mini pizza 1 mini pizza	½ pizza 1 pizza

Choose a pizza
that does not
contain milk
in the base

STEP
6

Lasagne

	PURCHASED	HOME-MADE
	Lasagne (200g)	1 child's portion

STEP
5

**Shepherds
Pie**

	PURCHASED	HOME-MADE
	Shepherds Pie (200g)	1 child's portion

STEP
4

**Scotch
pancakes**

	PURCHASED	HOME-MADE
	1 scotch pancake 3 scotch pancakes	½ scotch pancake 2 scotch pancakes

Use Scotch
pancakes containing
milk protein rather
than whey powder

NOTE THAT SCOTCH PANCAKES CONTAIN LESS MILK THAN
MUFFINS BUT THEY ARE BAKED FOR A MUCH SHORTER TIME

STEP
3

**Mini muffins/
cup cakes**

	PURCHASED	HOME-MADE
	½ muffin/cake (15g) 1 muffin (30g)	½ muffin 1 muffin

STEP
2

**Garibaldi
biscuits/
Digestives**

	PURCHASED	HOME-MADE
	½ biscuit 1 biscuit	1 biscuit 2 biscuits

Choose biscuits that
contain milk

STEP
1

**Malted
milk
biscuits**

	PURCHASED	HOME-MADE
	1 biscuit 2 biscuits	¼ biscuit ½ biscuit

Use malted milk
biscuits that contain
milk powder rather
than whey powder

Practical Pointers on using **THE MAP MILK LADDER®** for Parents

The following 'Pointers' should make it easier for you to understand how best to use this Ladder. We advise that you are supported by a Health Care Professional (HCP) until the Ladder has been successfully climbed. This may be your doctor, nurse or ideally your dietitian.

- Before starting the Ladder and progressing to each further Step, please ensure that your child is well at the time and also that any gastrointestinal symptoms or eczema are settled.
- Most children will start on Step 1. Some may already eat one or more of the foods on the Ladder. If that is the case, you need to be advised which Step of the Ladder you should start on.
- The Ladder has 12 Steps, but your HCP may adjust the number of Steps to suit your child best.
- The time spent on each Step will vary from one child to another (e.g. one day or 1 week) and this should also be discussed and agreed with you.
- The amounts in the Ladder are given as a guide - occasionally smaller or larger amounts may be recommended.
- The Ladder includes commercially available and home-made options.
Recipe ideas are available at:
<http://www.ctajournal.com/content/3/1/23>
Scroll down and click on 'Additional file 3. Recipes to go with milk ladder'
Each of the recipes has an egg and wheat free option (they are all soya free) to make the Ladder suitable for those children who may have other co-existing allergies.
- If the food on any Step of the Ladder is tolerated, your child should continue to consume this (as well as all the foods in the previous Steps) and then try the food suggested on the next agreed Step.
- If your child does not tolerate the food in a particular Step, simply go back to the previous one. You should then be advised when that next Step can be tried again.

In a few of the more severe cases of CMA a more cautious start to the Milk Ladder may be recommended, beginning with smaller amounts in Step 1, e.g. a ¼ or ½ of a malted milk biscuit.

Carina Venter, Trevor Brown, Neil Shah, Joanne Walsh, Adam T. Fox
Clin Transl Allergy. DOI 10. 1186/2045-7022-3-23 (additional file 1 and 3)

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