READY RECKONER OF PROTEIN FOODS

Food portions containing approximately 20 grams of animal protein

Animal Source	Approxim	ate Weight	Handy Measure		
Beef, lamb, pork	75g	3oz	2 medium slices		
Turkey, chicken	75g	3oz	I small breast		
Liver	100g	4oz	2 tablespoons		
Grilled fish	100g	4oz	I smallfillet		
Fishfingers	100g	4oz	6fishfingers		
Salmon/tuna	100g	4oz	I small tin		
Sardines	100g	4oz	1 small tin		
Shrimps/prawns	100g	4oz	2 tablespoons		
Cockles	200g	8oz	4 tablespoons		
Eggs			3 medium		
Cheddar cheese	75g	3oz	2 matchbox size pieces		
Edam cheese	150g	6oz	2 matchbox size pieces		
Cottage cheese	150g	6oz	4tablespoons		
Milk skimmed/semi skimmed	600ml	24f1 oz	1 pint		
Yoghurt- low fat	400m1	I6f1 oz	3 cartons		

Food portions containing approximately 10 grams of vegetable protein

Vegetable Source	Approximate Weight		Handy Measure			
Nuts(eg,peanuts,cashews)	50g	2oz	1 medium packet			
Seeds(eg,sunflower,sesame)	50g	2oz	4 tablespoons			
Baked beans	200g	8oz	4 tablespoons ½ large tin			
Kidney beans/split peas	150g	6oz	5 tablespoons cooked			
Lentils	150g	6oz	5 tablespoons-cooked			
Tofu (soya bean curd)	125g	5oz	1/2 packet			
Soya milk	350ml	14floz	approx 2/3 pint			
Hummous	125g	5oz	3 tablespoons			
Peanut butter	50g	2oz	Thickly spread on 2 slices of bread			
Bread	125g	5oz	4 large slices			
Pasta/noodles	250g	10oz	8 tablespoons cooked			
Rice	450g	18oz	12 tablespoons cooked			
Cornflakes	100g	4oz	2 large bowls			
Rice Krispies	150g	6oz	3 large bowls			
Weetabix	100g	4oz	5 Weetabix			
Digestive biscuits	100g	4oz	7 biscuits			
Semi-sweet biscuits	150g	6oz	6-8 biscuits			

Protein Calculator

Athletes need to eat between 1.2-2.0 grams protein/kg body weight/day.

The quantity of protein you require depends on your body weight and the type of training you are doing.

CALCULATING YOUR PROTEIN REQUIREMENT

Record your body weight in kilograms

For example

Protein required for a 60kg endurance athlete is:

Weight in kg 60

Protein requirement/kg 1.2-1.5 g (grams)

Protein requirement/day 72-90 grams protein per day

Your protein requirement is:

Weight (kg) x Protein requirement grams (g) = Protein requirement per day grams (g).

The Ready Reckoner of protein foods will help you to work out which types of foods you will need.

Protein quality is important. Try to ensure that about 2/3 of your protein intake is from the animal sources. These foods are considered as high biological value. This means that the build up of protein is similar to humans.

Carbohydrate Exchange List Ready Reckoner

	Δnnr	oximate Weigh	Handy Measures	
Breakfast Cereals	Grams	Oz	riality Measures	
Porridge (made with water and milk)	500	20	2 large bowls	
Weetabix	75	3	3-4	
Shredded Wheat	75	3	3	
Shreddies	75	3	1 large bowl	
Branflakes	75	3	1 large bowl	
Cornflakes	50	2		
	75	3	1 large bowl 1 medium bowl	
Muesli (unsweetened)	75	3	i medium bowi	
Cereal & Grains				
Pasta - white or wholewheat (cooked)	225	9	8 tablespoons	
Rice (cooked)	175	7	4 tablespoons	
Tinned spaghetti in tomato sauce	400	16	1 large can	
Tinned spaghetti in tomato sauce	75	3	1 layer	
Tinned ravioli	500	20	1 large can	
Pulses				
Baked beans	325	13	7 tablespoons	
Sweetcorn	300	12	10 tablespoons	
Red kidney beans	300	12	10 tablespoons	
Chickpeas	275	11	10 tablespoons	
Potatoes	0			
Boiled	300	12	5 egg size	
Jacket skin	175	7	1 medium	
Mashed	325	13	5 scoops	
Chipped	175	7	34 chip shop portion	
Roast	200	8	4 small	
Crisps	100	4 3	4 packets	
Low fat crisps	75	3	3 packets	
Bakery Products				
White bread	100	4	3-4 slices	
Wholemeal bread	125	5	3-4 slices	
Rolls	100	4	2 soft/crusty	
Pitta bread	100	4	1 large	
Naan bread	100	4	2 mini	
Crumpets	125	5	3	
Currant Buns/Teacakes	100	4	1-2	
Fruit scones	100	4	2	
Malt loaf	100	4	2-3 slices	
Welsh Cakes	75	3	3	
Bagels	75	3	1	
Jam tarts	75	3	3	
Swiss roll	100	4	3slices	
Cereal Bars & Desserts	100	7	Janues	
	90	2	2 1/ horo	
Jordans Fruesli (Fruit & Nut)	80	3	2 ½ bars	
Jordans Original Crunchy	80	3	2 ½ bars	
Tracker (Nut)	80	3	3bars	
Jelly	70	3	½ packet	

Food portions containing approximately 50 grams of carbohydrate			
	Appro	ximate Weigh	Handy Measures
Fruits	Grams	Oz.	,
Apples	425	17	4 medium
Oranges (peeled)	625	25	4 medium
Pears	525	21	3 medium
Bananas	225	9	2 large
Dried apricots	150	6	20
Dates (dried)	100	4	7
Figs (dried)	100	4	5
Raisins	75	3	3 tablespoons
Grapes	325	13	60
Peaches in juice	500	20	1 large can
Pineapple in juice	400	16	1 large can
Apricots in juice	400	16	1 ½ large cans
Biscuits			. , , , , , , , , , , , , , , , , , , ,
Plain Digestive	75	3	5
Ginger Nuts	75	3	7
Fig Rolls	125	5	4-5
Jaffa Cakes	75	3	6
Oatcakes	75	3	6
Ryvita	75	3	9
Crackers	75	3	10
Rice cakes	75	3	10
Dairy Foods			
Rice pudding (low fat)	325	13	1 can
Ice cream	225	9	4 scoops
Custard (low fat)	425	17	1 can
Milk - whole, semi or skimmed	1000ml	40gl.oz	2 pints
Confectionery			'
Milk or plain chocolate bar	75	3	1 ½ 50g bars
Kit Kat	75	3	8 fingers
Milky Way bars	75	3	1 ½ bars
Mars Bar	75	3	1 std bar
Bounty	100	4	1 ½ std bars
Snickers	100	4	1 ½ std bars
Jelly Babies	75	3	1 med packet
Liquorice Allsorts	75	3	1 med bag
Fruit Pastilles	75	3	2 tubes
Sugar/Preserves			
Table sugar - white or brown	50	2	12 level teaspoons
Jam	75	3	9 level teaspoons
Honey	75	3	9 level teaspoons
Drinks			·
Fruit juice	550	22	1 pint
Ribena (diluted)	400	16	2 glasses
Lemonade (not diet)	800	32	2 ½ cans
Cola (not diet)	500	20	1 ½ cans
Lucozade (Original)	250	10	1 glass
Isotonic sports drink	600	24	2 cans
isotonic sports unitk	000	47	Z Caris

Reference: KEY

McCance R.A., Widdowson, E.M. (1991). The Composition of Foods, RSC. 25g=10z Crawley, H. (1988). Food Portion Sizes. H.M.S.O. 25ml=1fl oz

Which foods provide Iron?

Food	Handy Measures	Weight		Iron Points	Iron Content
	150	G	Oze		(Mg)
Meat, Fish & Alternatives	750				1
Almonds/Brazil nuts/Cashew nuts	Average portion	15	1/2	1	0.5
Baked beans in tomato sauce	1 small tin	225	9	6	3.2
Beef mince, stewed	Small portion	150	6	9	4.7
Bolognese sauce	Average portion	200	8	6	2.8
Butter beans, boiled		75	3	2	1.1
Chilli con Came	Average portion	7.1	2.0	9	
	Average portion	200	8	0.00	4.4
Corned beef	2 thin slices	50	2	3	1.4
Egg, boiled	I egg (medium)		111111	2	1.1
Fish paste	Average spread on bread	15	1/2	2	0.9
ean roast lamb	Small portion	100	4	3	1.7
.iver	Small portion	50	2	13	6.4
iver pate low fat	Average on slice of bread	50	2	6	3.1
Moussaka	Average portion	300	12	7	3.3
Pilchards in tomato sauce	1/2 small can	100	4	5	2.7
Red kidney beans/lentils, boiled	1 tablespoon	25	1	1	0.5
Red Salmon, canned	The Court of the C	100	4	3	125.55.55
	Large portion	200000	1.00	V-27-4-3	1.4
Sardines in tomato sauce	Large portion in sandwich	50	2	5	2.3
Shepherd's Pie	Average portion	300	12	7	3.6
White fish (eg; Cod/Haddock)	Average portion	100	4	1	0.5
Fruit & Vegetables	ROMANUS TO STATE OF THE STATE O		100		
Apricots (ready soaked)	10 (snack pack size)	50	2	7	3.4
Figs, dried	4 figs	75	3	6	3.2
Hummous (Chick peas)	Small serving	50	2	2	0.9
Raisins/Sultanas, dried	1 tablespoon	25	1	1	0.6
Spinach, boiled	Average serving	100	4	3	1.7
Bread, other Cereals & Potatoes				5331.0	
All-Bran/Bran Buds	Medium portion	50	2	12	6.0
Branflakes		50	2	34	16.8
Bread, wholemeal	Medium portion	700000000000000000000000000000000000000	4	5	2.6
	3 medium slices	100	8	3	100000000
lacket potato	Large	200			1.4
Muesli, not crunchy	Small portion	50	2	6	2.8
Potatoes, boiled	3 egg sized potatoes	150	6	1	0.6
Shredded Wheat	2 pieces	50	2	4	2.0
Veetabix	2 biscuits	50	2	8	3.8
Veetaflakes	Small portion	25	1	6	2.9
Wholemeal pitta bread	1 small	75	3	4	2.0
Wholemeal roll	1 roll	50	2	3	1.7
Miscellaneous		700			
Peanut butter	Thick spread on bread	25	1	1	0.5
Rich fruit cake	Average portion	75	3	3	1.4
Sesame/Sunflower seeds	1 tablespoon	15	1/2	2	1.0
Tahini (Sesame seed paste)	I heaped teaspoon	25	1	5	2.6
Foasted Teacake/Currant bun	I teacake/1 bun	1.000000000	100	2	
		50	2		1.2
Plain Digestive biscuit	3 biscuits	50	2	3	1.6

REMEMBER that 1mg Iron = 2 IRON POINTS

McKance, R.A., Widdowson, E.M. (1991). The composition of Foods, RSC Crawley, H. (1998). Food portion sizes. H.M.S.O