The Portfolio diet was developed by Dr. Jenkins out of the University of Toronto. The basic idea behind the diet is quite simple: grouping foods, which have their own cholesterol lowering ability when eaten alone, will have a larger effect when they are eaten together or combined into a "portfolio" as part of a regular diet. The foods which form the foundation of the diet include almonds, as well as foods high in viscous fiber, plant sterols and soy protein.

Recent studies have shown that participants who followed the portfolio diet, even under "real-world conditions," were able to lower their LDL cholesterol levels by greater than 20% - a percentage comparable to levels achieved by statin drugs in studies of patients under metabolically controlled conditions.

The plan includes the following each day as part of a 2000 calorie diet:

- 30 grams (about one ounce) of almonds—about 23 almonds
- 20 grams (less than one ounce) of **viscous fiber** from foods such as oats, barley and certain fruits and vegetables
- 50 grams (1.6 ounces) of soy protein from foods such as tofu, soy meat alternatives and soy milk
- 2 grams (.064 ounces) of **plant sterols** from foods

Additions/Modifications:

- Lots of fruits and vegetables at least 4 servings of each per day
- Avoid red meat. Chicken, fish or turkey are much healthier substitutions.
- At least ¼ cup of almonds per day
- Avoid non-filtered coffee (ex. Espresso) as this type raises cholesterol levels
- 1 3 Tbsp of raw olive oil per day; olive oil is known to lower LDL or "bad cholesterol"
- Eggplant and okra are encouraged daily as they are excellent sources of viscous fiber
- Avoid frying foods since it adds saturated fats to the meal
- 50mL (about a shot glass full) of pomegranate juice (not from concentrate, no added sugars) per day; preliminary research has shown pomegranate juice to have some cholesterol-lowering ability
- Drink 4 to 5 cups of **green tea** per day; green tea has been shown to lower total cholesterol and raise HDL or "good cholesterol"

Туре	Serving size	Grams/milligrams of active ingredient	
Whole almonds	1 ounce (about 23)	30 g	
Sliced, slivered or ground almonds	1 ounce (about 1/2 cup)	30 g	
Almond butter	2 tablespoons	30 g	
VISCOUS FIBER: 20 GRAMS PER DAYS A	S PART OF A 2,000 CAL	ORIE DIET	
Kidney beans	1 cup cooked	6 g	
Lima beans	1 cup cooked	5.2 g	
0ats	1 cup cooked	4 g	
Pinto beans	1 cup cooked	3.8 g	
Strawberries	1 cup (about 8)	3.4 g	
Broccoli	1 cup	3.2 g	
Dried prunes	1/2 cup	3.1 g	
Apple	1 large	3 g	
Chickpeas	1 cup raw	3 g	
Metamucil® Wafers	2 wafers	3 g	
Sweet potatoes	1 cup mashed	2.8 g	
White beans	1 cup cooked	2.8 g	
Bartey	1 cup cooked	2.6 g	
Metamucil® in powder form	1 tablespoon	2.4 g	
Grapefruit	1 medium	2.3 g	
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IDEA =	ALMOND COMPONENT +	VISCOUS FIBER .	+ SOY COMPONENT	+ STEROL COMPONENT	+ TASTY ADDITIONS
	THE TOTAL CONTROLLET	COMPONENT	, sor com onem	TENOL COTTI ONE	THOST MODIFICATIONS
Hot oatmeal with fruit and almonds	Roasted and chopped natural almonds	Oatmeal with optional dried prunes or figs	Varrilla-flavored soy milk, or an "ultra"-style soy drink for more soy protein	(Almonds count as a plant sterol)	More dried fruit and a touch of brown sugar and cinnamon
Breakfast muesli	Roasted, sliced almonds	Rolled oats and oat bran	Soy milk	(Almonds count as a plant sterol)	Dried fruit, fresh fruit, honey
Smoothle	Almond butter	Strawberries or peaches	Varrilla-flavored soy milk	(Almond butter counts as a plant sterol)	Sliced fruit (with the almonds sprinkled on to
Tofu scramble and sausage	Roasted, sliced almonds		Scrambled tofu and tofu breakfast links		
IDEA =	ALMOND COMPONENT	+ VISCOUS FIBER +	SOY COMPONENT +	STEROL COMPONENT +	TASTY ADDITIONS
LUNCH IDEAS					
A hummus-like dip for vegetables or tortilla crisps	Combine almond butter with		plain soy yogurt or silken tofu and	kidney beans, tima beans, pinto beans or chickpeas and corn oil, and process in the food processor	Paprika, cumin
A black-bean burrito	Roasted and chopped natural almonds	Black beans and pearl barley	Soy cheese	Avocado (beans and almonds count as well)	Salsa
A black-eyed pea salad	f Roasted and sticed almonds	Black-eyed peas (or other beans)	Soy ham and soy cheese	Avocado (beans and almonds count as well)	Red onion, grape tomatoes, a light vinaigrette
A green salad	Roasted and chopped natural almonds	Pinto beans or other beans	Firm tofu, cubed	Corn oil vinaigrette (beans and almonds count as well)	Favorite lettuce and other vegetables
"Hamburger" soup with lentils and vegetables	n Roasted, slivered almonds on top	Lentils, eggplant	Soy grounds	(Almonds and lentils count as plant sterols)	Vegetable or beef broth, celery and carrots
DINNER IDEAS					
A starter plate (choose any or all)	Roasted, seasoned almonds	Bean dip	Edamame or soy chicken- style nuggets	(Bean dip counts as a plant sterol)	Pitas or baked chips for the bean dip
Side dish of pearl barley and broccoli with almonds		Pearl barley and broccoli	Serve with a meatless soy product as an entrée	Corn oil	Broth and herbs, plus a green vegetable as another side
Side dish of almond- bean puree	Roasted and ground almonds	Beans	Serve with a meatless soy product as an entrée	Corn oil	Broth, garlic, herbs, plus a green vegetable as another side
"Chicken" burger	Almond butter		A meatless soy chicken patty, plus soy cheese	Avocado	Tomato, sprouts, mustard, whole grain bun
Stir-fry	Roasted, slivered almonds	Eggplant (and could serve on pearl barley instead of rice)	Firm tofu	Corn oil	Red bell pepper, bok choy
Chili	Roasted and ground almonds	Pinto beans and wheat germ	Serve over a soy hot dog, or include soy grounds	(Beans count as a plant sterol)	Tomatoes, other vegetables, chili powder and other seasonings
DESSERT IDEAS	5				
Soy yogurt parfait	Roasted and slivered almonds		Soy yogurt or soy "ice cream"		Fruit
Chocolate- almond ice milk	Roasted sliced almonds		Chocolate soy milk, frozen in an ice cream maker		

TAKE-ALONG SNACKS

Almonds:

- · A handful of roasted natural
- almonds, seasoned or plain
 An almond butter and jelly sandwich

Viscous Fiber:

- Metamucil® powder in a drink • Metamucil® Wafers
- Dried prunes or figs
- A wheat germ muffin • A grapefruit or orange
- Soy:
 Soy cheese
 - Sterols:
- See "Almonds" • A crusty roll with Benecol® or Take Control® Soy yogurt
 - Half an avocado dressed lightly with vinaigrette

Further information and recipes can be obtained from the following websites:

The Portfolio Eating Plan http://www.portfolioeatingplan.com

The World's Healthiest Foods http://www.whfoods.com

Yours in health,

Dr. Bobby Parmar, BAsC., ND