

Pound Cake

Whey protein for ingredient alternatives – egg

When eggs are not desirable due to cost, availability, or allergen issues, whey protein can be used successfully to partially or completely replace eggs. This formula comparison demonstrates how whey protein concentrate can fully substitute for eggs and maintain a desirable texture in pound cake. In addition, the whey protein pound cakes are lower in cholesterol compared to many egg formulas.

Hilmar™ 7000 Whey Protein Concentrate is an excellent replacement for egg ingredients in bakery mixes and finished baked goods. It aids in emulsifying fat and improving texture by maintaining moisture content and volume. In addition, **Hilmar™ 7000 Whey Protein Concentrate** is rich in phospholipids similar to those found in egg. Along with functional contributions, Hilmar whey proteins are complete proteins providing the essential amino acids in an optimum blend for human consumption. Whey proteins have a PER of 3.2, a “perfect” PDCAAS of 1.00, and have a low glycemic load at 2 per 100 grams for concentrates and <1 for whey protein isolates.

Ingredients (Control): All Purpose Flour, Sugar, Eggs, Butter, Milk, Lemon Extract, Baking Powder, Vanilla Extract, Salt.

Ingredients (100% Egg Replacement): All Purpose Flour, Butter, Sugar, Water, Milk, Whey Protein Concentrate, Baking Powder, Lemon Extract, Vanilla Extract, Salt, Xanthan Gum, Cellulose Gum.

CONTROL with egg

Nutrition Facts	
Serving Size 1 slice (80g)	
Amount Per Serving	
Calories 330	Calories from Fat 150
% Daily Value*	
Total Fat 17g	26%
Saturated Fat 10g	50%
Trans Fat 0.5g	
Cholesterol 110mg	37%
Sodium 170mg	7%
Total Carbohydrate 37g	12%
Dietary Fiber 1g	4%
Sugars 19g	
Protein 5g	
Vitamin A 10%	• Vitamin C 0%
Calcium 2%	• Iron 8%

100% REPLACEMENT with Hilmar™ 7000

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% Daily Value*	
Total Fat 17g	26%
Saturated Fat 10g	50%
Trans Fat 0.5g	
Cholesterol 65mg	22%
Sodium 170mg	7%
Total Carbohydrate 37g	12%
Dietary Fiber 1g	4%
Sugars 19g	
Protein 5g	
Vitamin A 10%	• Vitamin C 0%
Calcium 4%	• Iron 6%

The nutritional data presented herein is obtained from calculated values based on individual components.