

# SPIFAN II Single Laboratory Validation Kit

## I. Contents of Single Laboratory Validation (SLV) Kits

### A. Placebo Products

1. Child Formula Powder: one (1) 365 g container
2. Infant Elemental Powder: one (1) 325 g container
3. Adult Nutritional RTF, High Protein: one (1) 250 g container
4. Adult Nutritional RTF, High Fat: one (1) - 250 g container
5. Infant Formula RTF, Milk Based: twelve (12) 60 g containers

Placebo products can be used to establish method specificity and to complete repeatability and recovery experiments at levels specified in SMPR. For most methods there is enough placebo product to complete precision (duplicate analyses on six days) and/or recovery (duplicate analyses on three days) experiments. There is enough placebo powder to make at least 9 reconstitutions by diluting 25 grams of powder to 225 grams with water and enough placebo liquid to prepare at least 8 samples if the sample size is 25 grams or less.

### B. Fortified Products

1. SRM 1849a: six (6) 10 g pouches
2. Infant Formula Powder Partially Hydrolyzed Milk Based: two (2) 360 g containers
3. Infant Formula Powder Partially Hydrolyzed Soy Based: two (2) 360 g containers
4. Toddler Formula Powder Milk-Based: two (2) 400 g containers
5. Infant Formula Powder Milk-Based: two (2) 400 g containers
6. Adult Nutritional Powder Low Fat: two (2) 453 g containers
7. Child Formula Powder: two (2) 365 g containers
8. Infant Elemental Powder: two (2) 325 g containers
9. Infant Formula Powder FOS/GOS Based: two (2) 350 g containers
10. Infant Formula Powder Milk Based: two (2) 352 g containers
11. Infant Formula Powder Soy Based: two (2) 730 g containers
12. Infant Formula RTF Milk Based: twelve (12) 60 g containers
13. Adult Nutritional RTF High Protein: three (3) 250 g containers
14. Adult Nutritional RTF High Fat: three (3) 250 g containers

Fortified products will be used to complete repeatability and recovery experiments and may be used to establish method specificity. For all methods there should be enough fortified product to complete precision (duplicate analyses on six days) and/or recovery (duplicate analyses on three days) experiments. There is enough fortified powder to make at least 9 reconstitutions by diluting 25 grams of powder to 225 grams with water and enough placebo liquid to prepare at least 24 samples if the sample size is 25 grams or less.

## II. Instructions for SLV Kits

- A. Store products in a cool dry place, protected from light.
- B. For all nutrient groups except vitamin C, samples can be taken from opened liquid product containers for up to 1 week after the containers are opened if the product is flushed with nitrogen and stored refrigerated in sealed containers. For vitamin C new containers of fortified liquid should be opened each day, but for placebo liquids, samples can be taken from opened liquid product containers for up to 1 week after the containers are opened if the product is flushed with nitrogen and stored refrigerated in sealed containers.
- C. For all nutrient groups, samples can be taken from opened powder product containers for up to 2 weeks after the containers are opened if the product is flushed with nitrogen and stored frozen in sealed containers.
- D. Per SPIFAN Standard Method Performance Requirements, all powder products except SRM 1849a should be reconstituted by dissolving 25 grams of powder in 200 grams of water. SRM 1849 can be reconstituted by dissolving 10 grams of powder in 90 grams of water or SRM 1849a powder can be weighed directly.
- E. Do not throw away any unopened product containers. Store these in a cool dry place, protected from light.