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Supplementary table 1. Nutritional composition of trial supplements – amounts per day^{1,2}

| Nutrient | First phase supplement (from recruitment to 2 weeks of ART) | | Second phase supplement (from 2 to 6 weeks of ART) | |
|-----------------------------|---|-----------|--|------------|
| | LNS-VM (30g) | LNS (30g) | LNS-VM (250g) | LNS (250g) |
| Calories (kcal) | 139 | 168 | 1397 | 1416 |
| Protein (g) | 2.4 | 2.3 | 55 | 55 |
| Fat (g) | 11.0 | 10.9 | 97.5 | 97.5 |
| Potassium (mmol) | 30 | 0.9 | 32 | 15.8 |
| Phosphorus (mmol) | 47 | 0.4 | 38 | 9.3 |
| Magnesium (mmol) | 16 | 0.3 | 17 | 5.7 |
| Calcium (mg) | 29.8 | 5.0 | 140 | 115 |
| Iron (mg) | 0.4 | 0.4 | 14.7 | 8.4 |
| Zinc (mg) | 21 | 0.2 | 21 | 3.8 |
| Copper (mg) | 3.6 | 0.06 | 3.6 | 1.2 |
| Manganese (mg) | 4.2 | - | 4.2 | - |
| Iodine (µg) | 420 | - | 420 | - |
| Selenium (µg) | 180 | - | 180 | - |
| Chromium (µg) | 75 | - | 75 | - |
| Retinol (as palmitate) (µg) | 1800 | - | 1800 | - |
| Vitamin D (µg) | 10 | - | 10 | - |
| Vitamin E (mg) | 45 | - | 45 | - |
| Vitamin K (µg) | 95 | - | 95 | - |
| Vitamin C (mg) | 120 | - | 120 | - |
| Thiamin (mg) | 2.4 | - | 2.4 | - |
| Riboflavin (mg) | 3.3 | - | 3.3 | - |
| Niacin (mg) | 39 | - | 39 | - |

| | | | | |
|-----------------------|-----|---|-----|---|
| Pyridoxine (mg) | 3.6 | - | 3.6 | - |
| Folate (µg) | 600 | - | 600 | - |
| Vitamin B12 (µg) | 4.5 | - | 4.5 | - |
| Pantothenic acid (mg) | 9 | - | 9 | - |

¹Where nutrient contents are provided for both LNS and LNS-VM, these are values from analysis by the manufacturer, accounting for inter-batch variability; where values for only LNS-VM are given, these were not assessed in the prepared foods but refer to amounts added, that is, they do not include those innate to the LNS.

²ART=antiretroviral therapy; LNS=lipid-based nutritional supplement, LNS-VM=LNS with added vitamins and minerals