**National Institute of Standards & Technology (NIST)**

**SRM Customer Questionnaire**

<SRM 1849a Infant/Adult Nutritional Formula>

NIST is conducting this survey of recent customers to better design SRM products in the future. You are receiving this questionnaire as a customer of NIST who has purchased at least one unit of <SRM 1849a Infant/Adult Nutritional Formula> in the past 5 years.

**Customer Information**

Laboratory Name: Click here to enter text.

Laboratory Location: Click here to enter text.

Respondent Name: Click here to enter text.

Respondent Email: Click here to enter text.

Respondent Phone: Click here to enter text.

[ ]  I am willing to be contacted by NIST staff via email and/or phone to provide additional information.

Which of the following best describe(s) your laboratory? Check all that apply.

[ ]  Academic laboratory

[ ]  Government laboratory

[ ]  Food manufacturer (QA/QC) laboratory

[ ]  Third-party testing laboratory

[ ]  Research and development

[ ]  Other (please describe): Click here to enter text.

Which of the following best describe(s) your general research area or interests? Check all that apply.

[ ]  Nutrition labeling

[ ]  Food safety/contaminants

[ ]  Food research (general)

[ ]  Dietary supplements research (general)

[ ]  Other (please describe): Click here to enter text.

**Use of <SRM 1849a Infant/Adult Nutritional Formula>**

1. For which of the following analytes or groups of analytes has your laboratory used <SRM 1849a Infant/Adult Nutritional Formula>? This is an all-inclusive list. Some categories may be removed if there are no assigned values in the SRM being queried.

[ ]  Cholesterol

[ ]  Elements

[ ]  Toxic Elements/Contaminants

[ ]  Water-Soluble Vitamins

[ ]  Fat-Soluble Vitamins

[ ]  Carotenoids

[ ]  Proximates

[ ]  Fatty Acids

[ ]  Amino Acids

[ ]  Sugars

[ ]  Other (e.g., cholesterol, catechins, xanthines, flavonoids)

For every box selected in response to question 1, up to ten follow-up questions will be generated as described below.

1. For which of the following elements has your laboratory used <SRM 1849a Infant/Adult Nutritional Formula>? This is an all-inclusive list. Some may be removed if there are no assigned values in the SRM being queried.

**Nutritional Elements**

[ ]  Calcium

[ ]  Copper

[ ]  Iron

[ ]  Magnesium

[ ]  Manganese

[ ]  Phosphorus

[ ]  Potassium

[ ]  Sodium

[ ]  Zinc

**Trace Minerals**

[ ]  Chromium

[ ]  Molybdenum

[ ]  Selenium

**Other Elements**

[ ]  Aluminum

[ ]  Antimony

[ ]  Barium

[ ]  Boron

[ ]  Bromine

[ ]  Cerium

[ ]  Cesium

[ ]  Chlorine

[ ]  Cobalt

[ ]  Europium

[ ]  Fluoride

[ ]  Gadolinium

[ ]  Gold

[ ]  Hafnium

[ ]  Hydrogen

[ ]  Iodine

[ ]  Lanthanum

[ ]  Lithium

[ ]  Neodymium

[ ]  Nickel

[ ]  Nitrogen

[ ]  Rubidium

[ ]  Samarium

[ ]  Scandium

[ ]  Silicon

[ ]  Silver

[ ]  Strontium

[ ]  Sulfur

[ ]  Terbium

[ ]  Thorium

[ ]  Tin

[ ]  Titanium

[ ]  Tungsten

[ ]  Uranium

[ ]  Vanadium

[ ]  Ytterbium

1. For which of the following toxic elements/contaminants has your laboratory used <SRM 1849a Infant/Adult Nutritional Formula>? This is an all-inclusive list. Some may be removed if there are no assigned values in the SRM being queried.

[ ]  Arsenic

[ ]  Cadmium

[ ]  Lead

[ ]  Mercury

[ ]  Dimethylarsinic acid (DMA)

[ ]  Inorganic arsenic (iAs)

[ ]  Monomethylarsonic acid (MMA)

[ ]  Methylmercury

[ ]  Acrylamide

[ ]  Aflatoxin B1

[ ]  Aflatoxin B2

[ ]  Total Aflatoxins

1. For which of the following water-soluble vitamins has your laboratory used <SRM 1849a Infant/Adult Nutritional Formula>? This is an all-inclusive list. Some may be removed if there are no assigned values in the SRM being queried.

[ ]  Ascorbic Acid (Vitamin C)

[ ]  Biotin

[ ]  Biotin

[ ]  Total Biotin by Microbiological Assay

[ ]  Carnitine

[ ]  Choline

[ ]  Choline Ion

[ ]  Folates

[ ]  Folic Acid

[ ]  5-Methyltetrahydrofolate

[ ]  Total Folate by Microbiological Assay

[ ]  Myo-inositol

[ ]  Riboflavin (Vitamin B2)

[ ]  Thiamine/Thiamine Hydrochloride (Vitamin B1)

[ ]  Vitamin B3

[ ]  Niacin

[ ]  Niacinamide

[ ]  Total Vitamin B3

[ ]  Total Vitamin B3 by Microbiological Assay

[ ]  Vitamin B5

[ ]  Pantothenic Acid

[ ]  Total Vitamin B5 by Microbiological Assay

[ ]  Vitamin B6

[ ]  Pyridoxal/Pyridoxal Hydrochloride

[ ]  Pyridoxamine/Pyridoxamine Dihydrochloride

[ ]  Pyridoxine/Pyridoxine Hydrochloride

[ ]  Total Vitamin B6

[ ]  Total Vitamin B6 by Microbiological Assay

[ ]  Vitamin B12

[ ]  Cyanocobalamin

[ ]  Total Vitamin B12 by Microbiological Assay

1. For which of the following fat-soluble vitamins has your laboratory used <SRM 1849a Infant/Adult Nutritional Formula>? This is an all-inclusive list. Some may be removed if there are no assigned values in the SRM being queried.

[ ]  Vitamin A

[ ]  Retinol

[ ]  Retinyl Palmitate

[ ]  Vitamin D

[ ]  Cholecalciferol (Vitamin D3)

[ ]  Ergocalciferol (Vitamin D2)

[ ]  Phylloquinone (Vitamin K)

[ ]  Vitamin E

[ ]  α-Tocopherol

[ ]  α-Tocopheryl Acetate

[ ]  Total α-Tocopherol

[ ]  β-Tocopherol

[ ]  γ-Tocopherol

[ ]  γ- + β-Tocopherol

[ ]  δ-Tocopherol

1. For which of the following carotenoids has your laboratory used <SRM 1849a Infant/Adult Nutritional Formula>? This is an all-inclusive list. Some may be removed if there are no assigned values in the SRM being queried.

[ ]  α-Carotene

[ ]  β-Carotene

[ ]  Total β-Carotene

[ ]  *trans*-β-Carotene

[ ]  9-*cis*-β-Carotene

[ ]  Total β-cryptoxanthin

[ ]  Total Lutein

[ ]  Lycopene

[ ]  *trans*-Lycopene

[ ]  Total Lycopene

[ ]  Total Zeaxanthin

1. For which of the following proximates has your laboratory used <SRM 1849a Infant/Adult Nutritional Formula>? This is an all-inclusive list. Some may be removed if there are no assigned values in the SRM being queried.

[ ]  Ash

[ ]  Calories

[ ]  Carbohydrates

[ ]  Fat

[ ]  Total Fat (sum of fatty acids)

[ ]  Total Fat (extracted)

[ ]  Moisture

[ ]  Solids

[ ]  Dietary Fiber

[ ]  Insoluble

[ ]  Insoluble + High Molecular Weight Soluble

[ ]  Low Molecular Weight Soluble

[ ]  High Molecular Weight Soluble

[ ]  High Molecular Weight Total

[ ]  Soluble

[ ]  Total

1. For which of the following fatty acids has your laboratory used <SRM 1849a Infant/Adult Nutritional Formula>? This is an all-inclusive list. Some may be removed if there are no assigned values in the SRM being queried.

[ ]  Butryic Acid (C4:0)

[ ]  Caproic Acid (C6:0)

[ ]  Caprylic Acid (C8:0)

[ ]  Capric Acid (C10:0)

[ ]  Undecanoic Acid (C11:0)

[ ]  Lauric Acid (C12:0)

[ ]  Tridecanoic Acid (C13:0)

[ ]  Myristic Acid (C14:0)

[ ]  Myristoleic Acid (C14:1 n-5)

[ ]  Pentadecanoic Acid (C15:0)

[ ]  Palmitic Acid (C16:0)

[ ]  Palmitoleic Acid (C16:1 n-7)

[ ]  *trans*-Palmitelaidic Acid (C16:1-9t)

[ ]  Hexadecadienoic Acid (C16:2)

[ ]  Margaric Acid (C17:0)

[ ]  Margaroleic Acid (C17:1 n-6)

[ ]  Stearic Acid (C18:0)

[ ]  Vaccenic Acid (C18:1 n-7)

[ ]  Oleic Acid (C18:1 n-9)

[ ]  *trans*-Vaccenic Acid (C18:1-11t)

[ ]  Elaidic Acid (C18:1-9t)

[ ]  Linoelaidic Acid (C18:2)

[ ]  9,12-Octadecadienoic Acid (C18:2-9t)

[ ]  9,12-Octadecadienoic Acid (C18:2-12t)

[ ]  Linoleic Acid (C18:2 n-6)

[ ]  α-Linolenic Acid (C18:3 n-3)

[ ]  γ-Linolenic Acid (C18:3 n-6)

[ ]  Stearidonic Acid (C18:4)

[ ]  Arachidic Acid (C20:0)

[ ]  Gadoleic Acid (C20:1 n-7)

[ ]  Gondoic Acid (C20:1 n-9)

[ ]  Eicosadienoic Acid (C20:2 n-6)

[ ]  Dihomo-γ-linolenic Acid (C20:3 n-6)

[ ]  11,14,17-Eicosatrienoic Acid (C20:3 n-3)

[ ]  EPA (C20:4 n-3)

[ ]  Arachidonic Acid (C20:4 n-6)

[ ]  Heneicosanoic Acid (C21:0)

[ ]  Behenic Acid (C22:0)

[ ]  Erucic Acid (C22:1 n-9)

[ ]  13,16-Docosadienoic Acid (C22:2)

[ ]  DPA (C22:5 n-3)

[ ]  DHA (C22:6 n-3)

[ ]  Lignoceric Acid (C24:0)

[ ]  Nervonic Acid (C24:1 n-9)

[ ]  *cis*-Monounsaturated Fat

[ ]  *cis*-Polyunsaturated Fat

[ ]  Saturated Fat

[ ]  Total *cis*-C18:1

[ ]  Total *cis*-C18:2

[ ]  Total *cis*-C20:1

[ ]  Total *cis*-C22:4

[ ]  Total *cis*-C22:5

[ ]  Total *trans* Fat

[ ]  Total *trans*-C18:1

[ ]  Total *trans*-C18:2

[ ]  Total *trans*-C18:2 Conjugated

[ ]  Total *ω*-3 Fatty Acids

[ ]  Total *ω*-6 Fatty Acids

1. For which of the following amino acids has your laboratory used <SRM 1849a Infant/Adult Nutritional Formula>? This is an all-inclusive list. Some may be removed if there are no assigned values in the SRM being queried.

[ ]  Alanine

[ ]  Arginine

[ ]  Aspartic Acid

[ ]  Cystine

[ ]  Glutamic Acid

[ ]  Glycine

[ ]  Histidine

[ ]  Hydroxyproline

[ ]  Isoleucine

[ ]  L-theanine

[ ]  Leucine

[ ]  Lysine

[ ]  Methionine

[ ]  Phenylalanine

[ ]  Proline

[ ]  Serine

[ ]  Taurine

[ ]  Threonine

[ ]  Tryptophan

[ ]  Tyrosine

[ ]  Valine

1. For which of the following sugars has your laboratory used <SRM 1849a Infant/Adult Nutritional Formula>? This is an all-inclusive list. Some may be removed if there are no assigned values in the SRM being queried.

[ ]  Fructose

[ ]  Glucose

[ ]  Lactose

[ ]  Maltose

[ ]  Sucrose

[ ]  Total Sugars

1. For which of the following other analytes has your laboratory used <SRM 1849a Infant/Adult Nutritional Formula>? This is an all-inclusive list. Some may be removed if there are no assigned values in the SRM being queried.

[ ]  Anions

[ ]  Phosphate

[ ]  Sulfate

[ ]  Catechins

[ ]  Catechin

[ ]  Catechin Monomers

[ ]  Epicatechin

[ ]  Epicatechin Gallate

[ ]  Epigallocatechin

[ ]  Epigallocatechin Gallate

[ ]  Gallocatechin Gallate

[ ]  Gallic Acid

[ ]  Gallocatechin

[ ]  Epigallocatechin Methylgallate

[ ]  Cholesterol

[ ]  Isoflavones

[ ]  Daidzein

[ ]  Daidzin

[ ]  Genistein

[ ]  Genistin

[ ]  Glycitein

[ ]  Glycitin

[ ]  Flavonoid Aglycones

[ ]  Quercetin

[ ]  Kaempferol

[ ]  Isorhamnetin

[ ]  Total

[ ]  Naphthodianthrones

[ ]  Hypericin

[ ]  Pseudohypericin

[ ]  Organic Acids

[ ]  Ascorbic Acid

[ ]  Citric Acid

[ ]  Galacturonic Acid

[ ]  Glycolic Acid

[ ]  Isocitric Acid

[ ]  Malic Acid

[ ]  Oxalic Acid

[ ]  Quinic Acid

[ ]  Shikimic Acid

[ ]  Tartaric Acid

[ ]  Phytosterols

[ ]  Campesterol

[ ]  β-Sitosterol

[ ]  Stigmasterol

[ ]  Cycloartenol

[ ]  Brassicasterol

[ ]  Lupeol

[ ]  Xanthines

[ ]  Caffeine

[ ]  Theobromine

[ ]  Theophylline

[ ]  L-theanine

[ ]  Terpene Lactones

[ ]  Ginkgolide A

[ ]  Ginkgolide B

[ ]  Ginkgolide C

[ ]  Ginkgolide J

[ ]  Bilobalide

[ ]  Total Antioxidant Capacity

[ ]  Total Polyphenols

[ ]  Total Procyanidins

1. Please list any other analytes or analyte groups that would be beneficial to have assigned in <SRM 1849a Infant/Adult Nutritional Formula>. Click here to enter text.
2. Please describe other ways that <SRM 1849a Infant/Adult Nutritional Formula> could better suit your needs. Click here to enter text.
3. Please describe other ways that <SRM 1849a Infant/Adult Nutritional Formula> could better suit your needs. Click here to enter text.

*The coordinators of the NIST Food and Nutrition Reference Materials Program thank you for your participation in this questionnaire.*

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