Matrix list for Aerobic Microorganisms

| Matrix group | Category | Types (matrix) | Example of items |
|--------------|--|--|--|
| Milk & Dairy | Raw milk and dairy products | Raw milks and/or fermented/acidified milks (not heat treated) | Raw milk |
| | Heat-processed milk and dairy products | Pasteurized dairy products | Milk-based desserts, ice creams, drinks, creams |
| | | Pasteurized milk-based products | Pasteurized milks |
| | | Dry | Milk powders |
| | | Dry | Powder for milk-based desserts |
| Meat | ready-to-cook meat products (except poultry) | Fresh meat (unprocessed) | Carcasses, meat cuts, Carpaccio's |
| | | | Minced meat, meat preparations, Carpaccio's |
| | | | Carcasses, swabs, rinsates |
| | | Ready-to-cook (processed) | Frozen burger patties, marinated beef shish-kabobs |
| | Ready-to-eat, ready-to-reheat meat products | Cooked meat products | Cooked ham, pâté |
| | | Fermented or dried meat products | Salami |
| | | Raw cured (smoked) (aw > 0,92) | Filet de sax, lard |
| | | Raw cured (smoked) (aw < 0,92) | Cobourg ham, dry cured ham |
| | Raw poultry and | Fresh meats (unprocessed) | Carcasses, meats, cuts |
| | | Fresh meats (unprocessed) | Carcasses, swabs, rinsates |
| | | Fresh meats (unprocessed) | Minced meat, meat preparations |
| | | Ready-to-cook products (processed) | Seasoned chicken breasts |
| | Ready-to-eat, ready-to-reheat meat poultry products | Cooked meat products | Cooked turkey filet |
| | | Fermented or dried meat products | Chicken sausage |
| | | Raw cured (smoked) (aw > 0,92) | Smoked turkey filet |
| Eggs | Eggs and egg products (derivates) | Eggs (unprocessed) | Shell eggs |
| | | Egg products (heat processed) with additives (salt or sugar >2%) | Egg yolk, egg white, whole liquid egg |
| | | Egg products (heat processed) without additives | Egg yolk, egg white, whole liquid egg |

| | | Dry | Egg powder |
|---|--|---|---|
| Fish & Seafood | Raw and ready-to- cook fish and seafood (unprocessed) | Fish (unprocessed) | Fish |
| | | Shellfish (unprocessed) | Oyster, clam, scallop, mussel |
| | | Crustaceans (unprocessed) | Shrimp, crab and crab meat, lobster |
| | Ready-to-eat, ready-to-reheat fishery products | Cooked fishery products | Shelled and shucked products of cooked crustaceans, fish and seafood terrines |
| | | Acidified and marinated fishery products | Roll herring, anchovy |
| | | Smoked or cured, and other processed products (aw > 0,92) | Smoked fish |
| | | Smoked or cured, and other processed products (aw < 0,92) | Smoked fish, dried (salted) fish |
| Vegetables | Fresh produce and fruits | Cut ready-to eat fruits | Fruit mixes |
| | | Cut ready-to-eat vegetables | Bagged pre-cut leafy vegetables, salads, shredded carrot |
| | | Sprouts | Soy, fenugreek, alfalfa, mung |
| | | Raw fruit/vegetable juices (unpasteurized) | Freshly squeezed strawberry juice, smoothies, carrot juice |
| | Processed fruits and vegetables | Heat-processed fruit/vegetables juices | Pasteurized apple juice |
| | | Heat processed vegetables and fruits | Blanched spinach, frozen vegetables blanched |
| | | Fermented/acidified vegetables | Fermented cabbage, pickle |
| | Dried cereals, fruits, nuts, seeds and vegetables | Low and IMF fruits (aw <0.85) | Syrups, concentrates, jams, semi-dried prunes |
| | | Seasonsings | Spices, herbs, peppers |
| | | Nuts and seeds | Nuts, nut meats, nut butters, seeds |
| | | Dried fruits and vegetables (aw <0.60) | Freeze-dried vegetables |
| | | Dried cerealas | Corn, oat, breakfast cereals |
| | | Flours | Wheat, buckwheat, oat |
| | | Probiotic ingredients | Pre-blend, spray dried, culture powders (probiotics) |
| Infant formula and infant cereals | Infant formula and infant cereals | Non-probiotic ingredients | Dehydrated milk, dehydrated yoghurt, dehydrated berries |
| | | Non-probiotic infant formula | Whey-based (dairy), soy-based (vegetables) fortification formulation |
| | | Probiotic infant formula | Whey-based (dairy), soy-based (vegetables) fortification formulation |
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| | | Non-probiotic infant cereals | Infant cereals |
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| | | Probiotic infant cereals | Probiotic infant cereals |
| Chocolate, bakery products and confectionary | Chocolate, bakery products and confectionary | Pastries | Bakery products with custard, confectionaries |
| | | Dry powered | Cake mixes |
| | | Low moisture | Crackers, breads, cookies |
| | | Dry & sugared low moisture (aw <0.85) | Cake, pralines, marzipan |
| | | Dry & sugared low moisture (aw <0.65) | Biscuits, chocolate, confectionary, honey, sugar, candy syrups |
| Multi-component foods | Multi-component foods or meal Components | Composite processed foods (cooked) | Hot meals |
| | | Ready to (re)heat food: refrigerated | Cooked chilled foods, boiled rice or pasta, vol-au-vent in vacuum |
| | | Ready to (re)heat food: frozen | Frozen fries, pizza, stuffed croissants |
| | | Ready to (re)heat food: ambient stable (canned) | Vol-au-vent in glass bottles |
| | | Mayonnaise based delisalads (acid) with raw ingredients | Raw vegetable salads with dressing |
| | | Mayonnaise based delisalads (acid) with processed ingredients | Sandwich spreads |
| | | Ambient stable acid foods (pH < 4,8) | Ketchup, sauces, dressings, mayonnaises, mustard |
| | Pet food and animal feed | Animal origin ingredients | Meat and bone meal, chicken and feather meal, fish meal, animal digest |
| | | Plant origin ingredients | Com meal, soybean meal, vegetables |
| | | Other ingredients | Microbial products such as yeast extracts, probiotics |
| Feed | | Dry food (aw ≤0,7) | Pellets, treats |
| | | Wet food (aw > 0,7) | Fresh meat, sausages, croquettes |
| | | Animal feeds (bovine, ovine, pig) | Cereals, flours |
| | | Animal feeds (poultry) | Cereals, flours |
| | | Animal feeds (fish) | Cereals, flours |
| Environmental samples | Environmental samples (food or feed production) | Equipment or production environment | Swabs, dusts |
| | | Waters used in manufacturing process | (Recycled) washing water, process water |