

Index

- Actoferrin, 21
- Additives, 191
- Adverse reaction, 1, 2
 - symptoms, 2
- AENOR, 259
- Albumins, 152, 189
- Alcohol allergy, 185
- Alfalfa, food allergen, 108
- Allergenic foods, 4, 13
 - declared allergenic foods, 5
 - legislation, 3, 5
- Allergenic proteins
 - targeting assays, food allergen, 7
- Allergy, 1
- Anaphylaxis, 2, 105
- Antibody, 15, 19
 - antigen, 20
 - epitope, 20
 - IgE, 20
 - IgG, 20
 - IgY, 20
 - monoclonal, 20
 - polyclonal, 20
- Antigen, 16, 19, 20
- Arginine kinase, 85

- Beverage, 192
- Biosensors, 83, 88, 113
- BSA, 21, 77

- Casein, 21, 77, 188
- Celiac
 - coeliac, 152
- CEN, 8
- Cereals, 112
- Chromatographic analysis, 7
 - ESI, 53
 - LC-MS/MS, 8, 50
 - MALDI, 53
 - reverse phase liquid chromatography, 50
- Chromatographic techniques, 56
 - electrospray mass spectrometry, 58
 - high-performance liquid chromatography, 56
 - MALDI, 58
 - mass spectrometry, 56
 - SELDI, 59
 - tandem mass spectrometry, 57
 - TOF, 59
- Chymotrypsin, 55
- CID, 57
- Celiac, 2
- Codex, 216
- Coeliac, 105
 - celiac, 152
 - disease, 13
- Collagen, 84
- Commercial PCR assays, 123
- Commercial tests, 161
- Coomassie, 55
- Cosmetics, 172
- CREATE, 238
- CRM, 42
- Cross-reaction, 122
- Cross-reactivity, 15, 42, 91
- Cupin, 106

- Databases, 6
- DBPCFC, 3
- Detection methods, 7
 - validation, 8
 - molecular, 29
- Dienstleistung Lebensmittel Analytik GbR, 259
- DNA, 29
 - chip, 33
 - detection methods, 68
 - DNA-binding dye, 31
 - DNA-dependent RNA polymerase, 31
 - DNA polymerase, 31, 32
 - DNA-RNA duplex, 31
 - extraction methods, 33, 36
 - microarray, 33
- DNase, 34
- DTT, 55

- EAACI, 1, 67
- EFSA, 188
- Electrophoresis, 83
- ELISA, 7, 15, 72, 81, 87, 109, 113, 121, 122, 158, 187
 - competitive, 16
 - sandwich, 16
- EST, 58
- Ethidium bromide, 31
- EuroPrevall, 238
- Extraction, 22, 33, 70, 78, 86, 106
 - DNA, 36
- Extraction methods
 - disruption methods, 53
 - DNA, 33
 - protein, 22
 - ultrasonic homogenization, 53
- FALCPA, 237
- FAPAS, 258
- FDA, 3, 201
- FERA, 258
- Fluorescence, 55
- Food allergen, 2
 - alfalfa, 108
 - allergen databases, 5, 6
 - allergenic proteins, 5
 - allergenic protein-targeting assays, 7
 - allergens of plant origin, 4
 - allergen threshold dose, 3
 - almond, 122
 - analytical assay, 14, 15
 - animal, 69
 - of animal origin, 4
 - apple, 118
 - banana, 119
 - barley, 112, 154
 - bean, 112
 - Brazil nut, 122
 - buckwheat, 112
 - cabbages, 117
 - caob, 108
 - carrot, 118
 - cashew, 121
 - cauliflower, 117
 - celery, 117
 - chickpea, 112
 - clover, 108
 - crayfish, 85
 - Crustacean, 85
 - detection, 8
 - detection methods, 5, 7
 - DNA-targeted analytical methods, 8
 - egg, 69, 186, 188
 - extraction methods, 22
 - fenugreek, 112
 - fFh, 84
 - fish, 189
 - hazelnut, 121
 - hidden allergen, 13
 - Kiwi, 119
 - labelling, 198, 202, 203, 208
 - legislation, 203
 - legume, 108
 - Lentil, 112
 - lobster, 85
 - lupin, 111
 - macadamia, 122
 - maize, 112
 - melon, 119
 - mesquite, 108
 - milk, 76, 188, 193
 - Molluscan, 85
 - mustard, 115
 - oat, 112, 154

- oilseed rape, 117
- pea, 112
- peach, 118
- peanut, 108
- pecan, 121
- pistachio, 121
- plant, 105
- prab, 85
- prawn, 85
- quantification, 8
- rice, 112
- rye, 112, 154
- sesame, 114
- shrimp, 85
- sorghum, 112
- soybean, 109
- strawberry, 119
- thresholds, 210
- turnip, 117
- walnut, 121
- watermelon, 119
- wheat, 112, 154
- Food allergy
 - diagnosis, 3
 - FARRP, 13
 - food hypersensitivity, 1, 2
 - management, 200
 - prevalence, 4, 197
 - treatment, 4
- Food challenge, 3
 - OFCs, 3
 - positive-controlled oral food, 3
- Food hypersensitivity, 13
- Food intolerance, 1, 2
 - nonallergic food hypersensitivity, 2
- Gel electrophoresis, 51
 - bidimensional, 51
 - monodimensional, 51
 - one-dimensional, 55
 - SDS-PAGE, 51
 - two-dimensional, 55
- Gliadins, 113, 151, 154
- Gluten, 113, 151, 170, 172, 191
 - gluten-free, 153, 171
 - low-gluten, 153
- Glutenins, 113, 151, 155
- GMO, 42
- HACCP, 201
- Haemocyanin, 86
- Histamine, 190
- ILAC, 252
- ILC, 250
- Immunization, 20
- Immunoaffinity, 54
- Immunoassays, 7, 14, 15, 19
 - commercial immunoassays, 23
- Immunodiagnosics, 13
- Immunogen, 20
- Immunoglobulins, 2, 21
- Immunological reaction, 1
- Immunoprecipitation, 54
- Immunotherapy, 4
- IRMM, 220
- ISO, 201
- Isoallergen, 2
- Labelling, 215, 217
- Lactoferrin, 77
- Lactose, 78
- LAMP, 32
- LC-MS/MS, 109, 111, 187
- Lctoglobulin, 21, 77, 78
- Lectins, 106
- Legislation, 3, 68
- LFD, 7, 15, 17
 - qualitative, 17
 - semi-quantitative, 17
- Livetin, 70
- LOAEL, 3, 15
- LOD, 15, 40
- LVU, 259
- Lysozyme, 70, 188
- MALDI, 169
- Mass spectrometry, 7, 56, 57
- 2-ME, 22
- Metabisulfites, 186
- Molecular detection methods, 29
- Molecular grade, 34
- MoniQA, 238
- MS, 83
- NASBA, 31
- National Measurement Institute, 258

- Near-infrared spectroscopy, 170
- NIST, 221
- NLA-SA, 259
- Nuts, 120

- OAS, 2, 105
- Oleosins, 106
- Ovalbumin, 69, 188
- Ovomucoid, 69
- Ovotransferrin, 70

- Parvalbumin, 20, 84, 86, 88
- PCR, 8, 31, 72, 80, 88, 109, 113, 121, 122, 164
 - amplicon, 31, 39
 - annealing temperature, 39
 - carry-over contamination, 34
 - inhibitors, 37, 38
 - PCR-ELISA, 8
 - primers, 39
 - real-time PCR, 8
 - sensitivity, 41
 - specificity, 41
 - spiking control, 38
 - test kits, 43
 - validation, 43
- Peptide, 55
- Pharmaceuticals, 170
- Phenols, 189, 190
- Phosphatases, 54
 - inhibitors, 54
- Phosvitin, 70
- Pollen, 105, 119
- Proficiency test, 250
- Profilins, 106
- Prolamin, 106
- Protein, 52
 - alkylation, 55
 - denaturation, 55
 - depletion, 54
 - detection methods, 68
 - DNA-based, 68
 - protein-based, 68
 - digestion, 55
 - enrichment, 54
 - extraction methods, 22
 - post-translational modification, 54, 56
 - purity, 53
 - recovery, 53
 - reduction, 55
 - solubilization, 54
 - stability, 54
- Proteinase, 37
- Proteomics, 8, 50

- RAST, 15
- Reference material
 - certified, 218
 - development, 230
- Regulatory, 215
- Resin, 37
- Reverse transcriptase, 31
- Ring trial, 43
- Risk-managemen, 215
- RNA, 31
 - RNA polymerase, 32
- RNase, 34
- RNase H, 31

- SCHEMA, 254
- SDS, 22
- Silica, 37
- Silver stain, 55
- SPT, 3
- Sulfites, 186, 191, 192
- Sulfur dioxide, 185, 186, 191

- Tannins, 190
- TCEP, 55
- Test Veritas S.r.l, 259
- Thermal cycler, 31, 43
- Tropomyosin, 85, 86, 91
- Trypsin, 52
 - tryptic fragments, 52

- UV light, 36

- Validation, 237

- Western immunoblot, 15
- Wheat, 191
- WHO, 2