**Vaccine**: “vaccin\*”, “preparation\*”, “composition\*”, “immunogen\*”, “antigen\*”

Tipo I

**inactivated:** “inactivat\*”, “split”, “kill\*”, “death”

Tipo II

**attenuated :** “live”, “attenuat\*”, “weak\*”,

Tipo III

**Fraction/Component**: “recombinant”**,** “subunit”, “fragment”, “fraction”, “protein\*”, “polypeptide”, “peptide”, “virus-like”, “viruslike”, “like”, “particle\*”, “vlp”, “rna”, “dna”, “nucleic”, “nucleotide”, “vector”, “plasmid\*”, “epitope”, “engineering”, “heterologous”, “recombined”, “pcr”, “deletion\*”, “mutation\*”, “seq”, “seq.”, “sequence”, “deleted”, “replicon”, “gene\*”, “genus”, “plant”, “edible”

**Strain:** “strain\*”, “serotype\*”, “genotype\*”, “cepa”

**Synthetic:** “synthetic”

**Glycoconjugated:** “glycoconjugated”, “glycoprotein”, “glycan”

**Chimeric**: “chimeric”

**DIVA:** “diva”, “marker”

**Multivalent:** “multivalent”, “polyvalent”, “bivalent”, “trivalent”, “tetravalent”

**Adjuvant:** “adjuvant\*”, “stabilizer\*”

**Delivery:** “adminstrat”, “parenteral”, “mucosal”, “nasal”, “intranasal”, injected,

**Process:** “process”, “method\*”, “step\*”, “purification”

**Diagnosis:** “diagnos\*”, “kit\*”

fraction.component <- c(“subunit vaccin\*”, “recombin\* protein\*”, “recombin\* polypeptide\*”, “recombin\* peptide\*”, “protein vaccin\*”, “peptide vaccin\*”, “polypeptide vaccin\*”, “empty”, “virosome\*”, "virus-like", "viruslike", “vlp”, "dna vaccin\*", "nucleic acid\* vaccin\*", “deoxyribonucleic acid vaccin\*”, “polynucleotide vaccin”, “rna”, “recombinant vector\*”, “viral vector\*”)