

500	<b>THYROID HORMONE TESTS (E.G., T3, T4, TBG, TSH, ETC.)</b>	534	...Carrier is water suspendible particles
501	<b>BIOSPECIFIC LIGAND BINDING ASSAY</b>	535	..Antigen or antibody entrapped within the carrier (e.g., gel, hollow fiber, etc.)
503	.Utilizing isolate of tissue or organ as binding agent	536	<b>INVOLVING IMMUNE COMPLEX FORMED IN LIQUID PHASE</b>
504	..Radioactive label	537	.Signal modification or steric inhibition
505	...B12 or folate	538	.Separation of immune complex from unbound antigen or antibody
506	<b>FOR PREEXISTING IMMUNE COMPLEX OR AUTO-IMMUNE DISEASE</b>	539	..Involving precipitating reagent
507	.Immune complex	540	...Double or second antibody
508	.Antinuclear (e.g., DNA, etc.)	541	..Absorbent column, particles or resin strip
509	.Rheumatoid factors	542	..Involving radioactive labeling
510	<b>IMMUNOCHEMICAL PREGNANCY DETERMINATION</b>	543	<b>INVOLVING PRODUCING OR TREATING ANTIGEN OR HAPTEN</b>
512	<b>INVOLVING ANTIBODY FRAGMENTS</b>	544	.Producing labeled antigens
513	<b>INVOLVING IGA, IGD, IGE, OR IGM</b>	545	..Radioactive label
514	<b>INVOLVING DIFFUSION OR MIGRATION OF ANTIGEN OR ANTIBODY</b>	546	..Fluorescent label
515	.Through a gel (e.g., Ouchterlony technique, etc.)	547	<b>INVOLVING PRODUCTION OR TREATMENT OF ANTIBODY</b>
516	..Immunoelectrophoresis	548	.Monoclonal antibody
517	<b>INVOLVING KINETIC MEASUREMENT OF ANTIGEN-ANTIBODY REACTION</b>	1	<b>PROCESS OR COMPOSITION FOR STERILITY OR PACKAGE INTEGRITY TEST</b>
518	<b>INVOLVING AN INSOLUBLE CARRIER FOR IMMOBILIZING IMMUNOCHEMICALS</b>	2	<b>PROCESS OR COMPOSITION FOR DETERMINATION OF PHYSICAL STATE OR PROPERTY BY MEANS INCLUDING A CHEMICAL REACTION</b>
519	.Carrier is a biological cell or cell fragment	3	.Leak detection
520	..Red blood cell	4	.Of crystal or crystalline material
521	...Fixation or stabilization of red blood cells	5	.Surface area, porosity, imperfection, or alteration
522	...Lysis of red blood cell membrane	6	.Corrosion resistance or power
523	.Carrier is particulate and the particles are of intentionally different sizes or impregnated differently with the immunochemicals	7	.By thermoparticulating composition
524	.Carrier is inorganic	8	<b>COMPOSITION FOR STANDARDIZATION, CALIBRATION, SIMULATION, STABILIZATION, PREPARATION OR PRESERVATION; PROCESSES OF USE IN PREPARATION FOR CHEMICAL TESTING</b>
525	..Metal or metal coated	9	.Simulative of a gaseous composition
526	...Magnetic	10	.Particle count or volume standard or control (e.g., platelet count standards, etc.)
527	..Glass or silica	11	.Blood gas standard or control
528	.Carrier is organic		
529	..Polysaccharide, carrier (e.g., dextran, etc.)		
530	...Cellulose or derivative		
531	..Carrier is synthetic resin		
532	...Antigen or antibody attached to a carrier via bridging agent		
533	....Carrier is water suspendible particles (e.g., latex, etc.)		

12	.Bilirubin or uric acid standard or control	47	.With conveyance of sample along a test line in a container or rack
13	.Lipid, cholesterol, or triglyceride standard or control	48	..With step of insertion or removal from test line
14	.Glucose, ketone, nitrate standard or control	49	..With treatment or replacement of aspirator element (e.g., cleaning, etc.)
15	.Protein or peptide standard or control (e.g., hemoglobin, etc.)	50	.Condition or time responsive
16	.Blood serum or blood plasma standard or control	51	..With automated titrator
17	.Preparation composition (e.g., lysing or precipitation, etc.)	52	.With a continuously flowing sample or carrier stream
18	.Preservative, buffer, anticoagulant or diluent	53	..With formation of a segmented stream
19	.Inorganic standards or controls	54	.With aspirator of claimed structure
20	<b>FOOD OR DAIRY PRODUCTS</b>	55	<b>CONDITION RESPONSIVE CONTROL</b>
21	.Meat or eggs	56	<b>TRACERS OR TAGS</b>
22	.Dairy product	57	<b>INCLUDING USE OF RADIOACTIVE PROPERTIES</b>
23	..Milk or butter fat	58	.Dosage determination of high energy radiation, (e.g., use of an X-ray dosimeter, etc.)
24	.Wine or alcoholic beverages	59	.Including pyrolysis of radioactive material
25	<b>GEOCHEMICAL, GEOLOGICAL, OR GEOTHERMAL EXPLORATION</b>	60	<b>LUBRICANT, GREASE, MINERAL OIL, HYDROCARBON OIL PRODUCT, OR FATS OR LIPIDS FOR OXIDATION (E.G., BREAKDOWN PRODUCTS OR CONTAMINATION, ETC.)</b>
26	.For metallic ores	61	.Acidity, basicity or neutralization number
27	.Using chemical tracers	62	<b>OXYGEN DEMAND (E.G., BOD, TOD, COD, ETC.)</b>
28	.In situ testing	63	<b>BIOLOGICAL CELLULAR MATERIAL TESTED</b>
29	.For petroleum oils or carbonaceous minerals	64	<b>CANCER</b>
30	..Removing and testing drilling mud or fluid	65	<b>PREGNANCY OR OVULATION</b>
31	..Removing and testing solid samples	66	<b>HEMOGLOBIN, MYOGLOBIN, OR OCCULT BLOOD</b>
32	...Analyzing evolved gas	67	.Glycosylated hemoglobin
33	...Evolving gas by acidification	68	<b>BLOOD GAS (E.G., OXYGEN, CARBON DIOXIDE, BLOOD, PH, ETC.)</b>
34	<b>RATE OF REACTION DETERMINATION USING ACTIVATED SPECIE</b>	69	<b>CLOTTING OR CLOTTING FACTOR LEVEL TESTS</b>
35	<b>WITH USE OF CONDENSATION NUCLEI TESTING OF CATALYST</b>	70	<b>SEDIMENTATION RATE OR HEMATOCRIT</b>
36	<b>PURITY OF STEAM OR CHEMICALLY INERT GAS</b>	71	<b>LIPIDS, TRIGLYCERIDES, CHOLESTEROL, OR LIPOPROTEINS</b>
37	<b>DETERMINATION OF WATER</b>	72	<b>SILICON CONTAINING</b>
38	.In petroleum oil, hydrocarbon oil or organic fluid	73	<b>METAL OR METAL CONTAINING</b>
39	.By use of a cobalt, copper or nickel containing reagent	74	.Present in biological fluids (e.g., blood, urine, etc.)
40	.By use of a Karl Fischer reagent		
41	<b>AUTOMATED CHEMICAL ANALYSIS</b>		
42	.Utilizing a moving indicator strip or tape		
43	.Utilizing a centrifuge or compartmented rotor		
44	.With sample on test slide		
45			
46			

75	.Oxide or gas content of metal (e.g., determination of dissolved gases, etc.)	110	.Nitrite or nitrate
76	.Organometallic compound determined	111	.Amine and quaternary ammonium
77	..Ge, Sn, Pb	112	..Tertiary amine
78	.Presence of a component of steel	113	..Ammonia
79	.Li, Na, K, Rb, Cs, Fr, Be, Mg, Ca, Sr, Ba, Ra	114	.Total nitrogen determined
80	.Cu, Ag, Au	115	..As part of an elemental analysis
81	.Zn, Cd, Hg, Sc, Y, or Actinides, or Lanthanides	116	.Oxides of nitrogen
82	..Lanthanide or Actinide	117	..Only nitrogen dioxide
83	.Ti, Zr, Hf, Va, Nb, Ta, Cr, Mo, W	118	..Both nitrogen oxide and dioxide
84	.Mn, Te, Re, Fe, Ru, Os, Co, Rh, Ir, Ni, Pd, Pt	119	<b>SULFUR CONTAINING</b>
85	<b>SYNTHETIC OR NATURAL RESIN</b>	120	.Organic or sulfhydryl containing (e.g., mercaptan, hydrogen, sulfide, etc.)
86	<b>PEPTIDE, PROTEIN OR AMINO ACID</b>	121	..Only hydrogen sulfide
87	.Glycoproteins (e.g., hormone, etc.)	122	.Sulfur dioxide
88	..Albumin	123	.Total or elemental sulfur
89	.Amino acid or sequencing procedure	124	<b>HALOGEN CONTAINING</b>
90	..Alpha or beta amino acid	125	.In aqueous solution
91	<b>HETEROCYCLIC CARBON COMPOUND (I.E., O, S, N, SE, TE, AS ONLY RING HETERO ATOM)</b>	126	.Carbon containing compound (e.g., vinylchloride, etc.)
92	.Diverse hetero atoms in same or different rings (e.g., alkaloids, opiates, etc.)	127	<b>OXYGEN CONTAINING</b>
93	.Hetero-O (e.g., ascorbic acid, etc.)	128	.Carbonyl, ether, aldehyde or ketone containing
94	..Saccharide (e.g., DNA, etc.)	129	..Carboxylic acid
95	...Glucose	130	..Formaldehyde or acetone
96	.Hetero-N	131	.Hydroxyl containing
97	..Bile pigment	132	..Ethanol
98	..Plural nitrogen in the same ring (e.g., barbituates, creatinine, etc.)	133	.Inorganic carbon compounds
99	...Uric acid	134	..Carbon monoxide only
100	<b>INORGANIC ACID OR BASE (E.G., HCL, SULFURIC ACID, ETC.)</b>	135	.Ozone or peroxide
101	.Halogen containing	136	.Molecular oxygen
102	.Sulfur containing	137	..Fuel/air mixture or exhaust gas analysis
103	<b>PHOSPHORUS CONTAINING</b>	138	..Dissolved or trace oxygen or oxygen content of a sealed environment
104	.Organic (e.g., chemical warfare agents, insecticides, etc.)	139	<b>HYDROCARBON</b>
105	.Of inorganic phosphorus compound in body fluid	140	.Aromatic
106	<b>NITROGEN CONTAINING</b>	141	.Acyclic (e.g., methane, octane, isoparaffin, etc.)
107	.N-Nitroso containing (e.g., nitrosamine, etc.)	142	..Unsaturated (e.g., ethylene, diene, etc.)
108	.Urea or blood urea nitrogen	143	.Total hydrocarbon, flammability, combustibility (e.g., air-fuel mixture, etc.)
109	.Cyanide or isocyanide	144	<b>HYDROGEN, PER SE</b>
		145	<b>CARBON CONTAINING</b>
		146	.In an aqueous solution (e.g., TOC, etc.)
		147	<b>MEASUREMENT INCLUDES TEMPERATURE CHANGE OF THE MATERIAL BEING ANALYZED (E.G., CALORIMETRY, ETC.)</b>

148	<b>MEASUREMENT INCLUDES CHANGE IN VOLUME OR PRESSURE</b>	177	.Liberation or purification of sample or separation of material from a sample (e.g., filtering, centrifuging, etc.)
149	<b>MEASUREMENT OF ELECTRICAL OR MAGNETIC PROPERTY OR THERMAL CONDUCTIVITY</b>	178	..Including use of a solid sorbent, semipermeable membrane, or liquid extraction
150	.Of a liquid	179	.Dilution
151	.By means of a solid body in contact with a fluid	180	.Volumetric liquid transfer
152	..Solid body contains a combustion catalyst	181	.Gaseous sample or with change of physical state
153	.Of an ionized gas	182	<b>ELEMENT OR INORGANIC COMPOUND</b>
154	..Flame ionization	183	<b>MISCELLANEOUS</b>
155	<b>PYROLYSIS, COMBUSTION, OR ELEVATED TEMPERATURE CONVERSION</b>		<b>CROSS-REFERENCE ART COLLECTIONS 800 THROUGH 829 RELATE TO ANTIGEN-ANTIBODY OR BINDING PROTEIN TESTS.</b>
156	.Explosibility	800	<b>FLUORESCENT DYES (E.G., RHODAMINE, ETC.)</b>
157	.Multiple stages of heating or heating at multiple temperatures or application of temperature gradient	801	<b>ELECTRON DENSE COMPOUNDS (E.G., FERRITIN, ETC.)</b>
158	.Dividing or separating a sample stream	802	<b>PROTEIN-BACTERIOPHAGE CONJUGATES</b>
159	.With catalyst or accelerator	803	<b>STABLE FREE RADICALS (E.G., SPIN IMMUNOASSAY, ETC.)</b>
160	.Combustion with oxygen containing gas	804	<b>RADIOISOTOPE (E.G., RADIOIMMUNOASSAY, ETC.)</b>
161	<b>INCLUDING CHROMATOGRAPHY</b>	805	<b>OPTICAL PROPERTY</b>
162	.Utilizing paper or thin layer plate	806	<b>ELECTRICAL PROPERTY OR MAGNETIC PROPERTY</b>
163	<b>INCLUDING TITRATION OR PH DETERMINATION</b>	807	<b>APPARATUS INCLUDED IN PROCESS CLAIM (E.G., PHYSICAL SUPPORT STRUCTURES, ETC.)</b>
164	<b>OPTICAL RESULT</b>	808	.Automated or kit
165	.With claimed manipulation of container to effect reaction or use of container of claimed optical structure	809	.Multifield plates or multicontainer arrays
166	.Including reagent preparation	810	.Tube, bottle, or dipstick
167	.Including gas absorption in liquid or solid	811	<b>TEST FOR NAMED DISEASE, BODY CONDITION OR ORGAN FUNCTION</b>
168	..Liquid sorbent	812	.Infectious mononucleosis
169	.With reagent in absorbent or bibulous substrate	813	.Cancer
170	..Plural superposed layers	814	.Pregnancy
171	.Spectrum analysis (e.g., flame photometry, etc.)	815	<b>TEST FOR NAMED COMPOUND OR CLASS OF COMPOUNDS</b>
172	.With fluorescence or luminescence	816	.Alkaloids, amphetamines, and barbiturates
173	<b>NUCLEAR MAGNETIC RESONANCE, ELECTRON SPIN RESONANCE OR OTHER SPIN EFFECTS OR MASS SPECTROMETRY</b>	817	.Steroids or hormones
174	<b>INCLUDING SAMPLE PREPARATION</b>	818	..Human chorionic gonadotropin
175	.Digestion or removing interfering materials	819	<b>MULTIFUNCTIONAL ANTIGEN OR ANTIBODY</b>
176	.Stabilizing or preserving	820	<b>HEPATITIS ASSOCIATED ANTIGENS AND ANTIBODIES</b>
		821	<b>INVOLVING COMPLEMENT FACTORS OR COMPLEMENT SYSTEMS</b>
		822	<b>IDENTIFIED HAPTEN</b>

823 IMMUNOGENIC CARRIER OR CARRIER  
PER SE

824 IMMUNOLOGICAL SEPARATION  
TECHNIQUES

825 PRETREATMENT FOR REMOVAL OF  
INTERFERING FACTORS FROM  
SAMPLE

826 ADDITIVES (E.G., BUFFERS,  
DILUENTS, PRESERVATIVES)

827 LECTINS

828 PROTEIN A

829 LIPOSOMES (E.G., ENCAPSULATION,  
ETC.)

CROSS-REFERENCE ART COLLECTIONS  
900 THROUGH 910 RELATE TO  
CHEMICAL ANALYSIS  
RELATED TO CHEMICAL TESTING

900 BREATH TESTING

901 DRUGS OF ABUSE (E.G., NARCOTICS,  
AMPHETAMINE, ETC.)

902 DOSIMETER

903 DIAZO REACTIONS

904 OXIDATION - REDUCTION INDICATORS

905 PHOTOCHEMICAL ACTIVATION OF  
REACTIONS

906 FERTILITY TESTS

907 FETAL LUNG MATURITY

908 GRAVIMETRIC ANALYSIS

909 NEPHELOMETRY

910 IRON-BINDING CAPACITY OF BLOOD

**FOREIGN ART COLLECTIONS**

FOR 000 CLASS-RELATED FOREIGN DOCUMENTS