

# CPC COOPERATIVE PATENT CLASSIFICATION

## C CHEMISTRY; METALLURGY

(NOTES omitted)

### CHEMISTRY

## C12 BIOCHEMISTRY; BEER; SPIRITS; WINE; VINEGAR; MICROBIOLOGY; ENZYMOLOGY; MUTATION OR GENETIC ENGINEERING

(NOTES omitted)

## C12Q MEASURING OR TESTING PROCESSES INVOLVING ENZYMES OR MICROORGANISMS (immunoassay G01N 33/53); COMPOSITIONS OR TEST PAPERS THEREFOR; PROCESSES OF PREPARING SUCH COMPOSITIONS; CONDITION RESPONSIVE CONTROL IN MICROBIOLOGICAL OR ENZYMOLOGICAL PROCESSES

### NOTES

1. This subclass does not cover the observation of the progress or of the result of processes specified in this subclass by any of the methods specified in groups [G01N 3/00](#) - [G01N 29/00](#), which is covered by subclass [G01N](#).
2. In this subclass, the following expression is used with the meaning indicated:  
"involving", when used in relation to a substance, includes the testing for the substance as well as employing the substance as a determinant or reactant in a test for a different substance.
3. Attention is drawn to Notes (1) to (3) following the title of class [C12](#).
4. In this subclass, test media are classified in the appropriate group for the relevant test process.
5. Documents describing the use of an electrode for analysis of a specific analyte are classified in [C12Q 1/001](#) or subgroups and not according to the last place rule
6. Documents relating to new peptides, e.g. enzymes, or new DNA or its corresponding mRNA, encoding for the peptides, and their use in measuring or testing processes are classified in subclass [C07K](#) or in group [C12N 9/00](#) according to the peptides, with the appropriate indexing codes relating to their use in diagnostics. However where the new nucleic acids are principally used in diagnostic processes, e.g. PCR, hybridisation reactions, the documents are also classified in group [C12Q 1/68](#)
7. When classifying in groups [C12Q 1/68](#) - [C12Q 1/70](#) it is desirable to classify with symbols from groups [C12Q 2500/00](#) - [C12Q 2565/634](#), relating to relevant technical features of the invention, using Combination Sets.
8. In groups [C12Q 1/6876](#) - [C12Q 1/6895](#) and [C12Q 1/70](#) - [C12Q 1/708](#) it is desirable to add the indexing codes [C12Q 2600/00](#) - [C12Q 2600/178](#) which reflect the use of the product in combination with the virus groups only if the application refers to products.

<b>1/00</b>	<b>Measuring or testing processes involving enzymes, {nucleic acids} or microorganisms (measuring or testing apparatus with condition measuring or sensing means, e.g. colony counters <a href="#">C12M 1/34</a>); Compositions therefor; Processes of preparing such compositions</b>	<b>1/04</b>	. . Determining presence or kind of microorganism; Use of selective media for testing antibiotics or bacteriocides; Compositions containing a chemical indicator therefor {( <a href="#">C12Q 1/6897</a> takes precedence)}
1/001	. {Enzyme electrodes}	1/045	. . . {Culture media therefor}
1/002	. . {Electrode membranes}	1/06	. . . Quantitative determination
1/003	. . . {Functionalisation}	1/08	. . . using multifield media
1/004	. . {mediator-assisted}	1/10	. . . Enterobacteria
1/005	. . {involving specific analytes or enzymes (including groups of enzymes, e.g. oxydases; <a href="#">C12Q 1/004</a> takes precedence)}	1/12	. . . Nitrate to nitrite reducing bacteria
1/006	. . . {for glucose}	1/14	. . . Streptococcus; Staphylococcus
1/007	. {involving isoenzyme profiles (for detection of an individual isoenzyme <a href="#">C12Q 1/25</a> - <a href="#">C12Q 1/66</a> )}	1/16	. . . using radioactive material
1/008	. {for determining co-enzymes or co-factors, e.g. NAD, ATP}	1/18	. . Testing for antimicrobial activity of a material
1/02	. involving viable microorganisms	1/20	. . . using multifield media
1/025	. . {for testing or evaluating the effect of chemical or biological compounds, e.g. drugs, cosmetics (antimicrobial activity <a href="#">C12Q 1/18</a> )}	1/22	. . Testing for sterility conditions
		1/24	. . Methods of sampling, or inoculating or spreading a sample; Methods of physically isolating an intact microorganisms
		1/25	. involving enzymes not classifiable in groups <a href="#">C12Q 1/26</a> {- <a href="#">C12Q 1/66</a> }
		1/26	. involving oxidoreductase
		1/28	. . involving peroxidase

- 1/30 . . involving catalase
- 1/32 . . involving dehydrogenase
- 1/34 . involving hydrolase
- 1/37 . . involving peptidase or proteinase
- 1/40 . . involving amylase
- 1/42 . . involving phosphatase
- 1/44 . . involving esterase
- 1/46 . . . involving cholinesterase
- 1/48 . involving transferase
- 1/485 . . {involving kinase}
- 1/50 . . involving creatine phosphokinase
- 1/52 . . involving transaminase
- 1/527 . involving lyase
- 1/533 . involving isomerase
- 1/54 . involving glucose or galactose
- 1/56 . involving blood clotting factors, e.g. involving thrombin, thromboplastin, fibrinogen
- 1/58 . involving urea or urease
- 1/60 . involving cholesterol
- 1/61 . involving triglycerides
- 1/62 . involving uric acid
- 1/64 . Geomicrobiological testing, e.g. for petroleum
- 1/66 . involving luciferase
- 1/68 . involving nucleic acids

**NOTE**

In subgroups of [C12Q 1/68](#), classification is made according to the most relevant feature rather than according to the last-place-rule

- 1/6802 . . {General aspects (not used, see subgroups)}
- 1/6804 . . . {Nucleic acid analysis utilising immunogens}
- 1/6806 . . . {Preparing nucleic acids for analysis, e.g. for PCR assay ([C12Q 1/6804](#) takes precedence)}
- 1/6809 . . . {Sequence identification involving differential detection}
- 1/6811 . . . {Selection methods for production or design of target specific oligonucleotide or binding molecules}
- 1/6813 . . {Hybridisation assays}
- 1/6816 . . . {characterised by the means of detection ([C12Q 1/6804](#) takes precedence)}
- 1/6818 . . . . {involving interaction of at least two labels, e.g. resonant energy transfer}
- 1/682 . . . . {Signal amplification}
- 1/6823 . . . . {Release of bound marker}
- 1/6825 . . . . {Nucleic acid detection involving sensors}
- 1/6827 . . . {for mutation or polymorphism detection}
- 1/683 . . . . {involving restriction enzymes, e.g. RFLP}
- 1/6832 . . . {Enhancement of hybridisation reaction}
- 1/6834 . . . {Nucleic acid analysis involving immobilisation; Immobilisation characterised by the carrier or coupling agent}
- 1/6837 . . . . {characterised by the use of probe arrays or probe chips ([C12Q 1/6874](#) takes precedence)}
- 1/6839 . . . {Triple helix formation in hybridisation assays}
- 1/6841 . . . {"In-situ" hybridisation}
- 1/6844 . . {Nucleic acid amplification reactions}
- 1/6846 . . . {Common amplification features}
- 1/6848 . . . . {preventing contamination}
- 1/6851 . . . . {Quantitative amplification}
- 1/6853 . . . . {using modified primers or templates}

- 1/6855 . . . . . {Ligating adaptors}
- 1/6858 . . . . {Allele specific amplification}
- 1/686 . . . {Polymerase Chain Reaction [PCR]}
- 1/6862 . . . {Ligase Chain Reaction [LCR]}
- 1/6865 . . . {Promoter based amplification, e.g. NASBA, 3SR, TAS}
- 1/6867 . . . {Replicase based amplifications, e.g. Q-beta replicase}
- 1/6869 . . {Methods for sequencing}
- 1/6872 . . . {involving mass spectrometry}
- 1/6874 . . . {involving nucleic acid arrays, e.g. Sequencing By Hybridisation [SBH]}
- 1/6876 . . {Hybridisation probes}
- 1/6879 . . . {for sex determination}
- 1/6881 . . . {for tissue and cell typing, e.g. HLA probes}
- 1/6883 . . . {for diseases caused by alterations of genetic material}
- 1/6886 . . . . {for cancer}
- 1/6888 . . . {for detection or identification of organisms}
- 1/689 . . . . {for bacteria}
- 1/6893 . . . . {for protozoa}
- 1/6895 . . . . {for plants, fungi, or algae}
- 1/6897 . . {involving reporter genes operably linked to promoters}
- 1/70 . involving virus or bacteriophage
- 1/701 . . {Specific hybridization probes}
- 1/702 . . . {for retroviruses}
- 1/703 . . . . {Viruses associated with AIDS}
- 1/705 . . . {for herpesviridae, e.g. herpes simplex, varicella zoster}
- 1/706 . . . {for hepatitis}
- 1/707 . . . . {non-A, non-B Hepatitis, excluding hepatitis D}
- 1/708 . . . {for papilloma}

**3/00** **Condition responsive control processes** (apparatus therefor [C12M 1/36](#); controlling or regulating in general [G05](#))

**2304/00** **Chemical means of detecting microorganisms** (hydrolase substrates [C12Q 2334/00](#), peptidase substrates [C12Q 2337/00](#))

- 2304/10 . DNA staining
- 2304/12 . . Ethidium
- 2304/13 . . Propidium
- 2304/16 . . Acridine orange
- 2304/18 . . Thionin-type dyes, e.g. Azure, Toluidine Blue
- 2304/20 . Redox indicators
- 2304/22 . . Resazurin; Resorufin
- 2304/24 . . Tetrazolium; Formazan
- 2304/26 . . Quinone; Quinol
- 2304/40 . Detection of gases
- 2304/44 . . Oxygen
- 2304/46 . . Carbon dioxide
- 2304/48 . . Ammonia or volatile amines
- 2304/60 . Chemiluminescent detection using ATP-luciferin-luciferase system
- 2304/80 . Electrochemical detection via electrodes in contact with culture medium

**2326/00** **Chromogens for determinations of oxidoreductase enzymes**

- 2326/10 . Benzidines
- 2326/12 . . 3,3',5,5'-Tetramethylbenzidine, i.e. TMB

2326/14	. . Ortho-Tolidine, i.e. 3,3'-dimethyl-(1,1'-biphenyl-4,4'-diamine)	2521/325	. . Single stranded exonuclease
2326/20	. Ortho-Phenylenediamine	2521/327	. . RNase, e.g. RNaseH
2326/30	. 2,2'-Azinobis (3-ethylbenzothiazoline-6-sulfonic acid), i.e. ABTS	2521/331	. . Methylation site specific nuclease
2326/32	. 3-Methyl-2-benzothiazolinone hydrazone hydrochloride hydrate, i.e. MBTH	2521/337	. . Ribozyme
2326/40	. Triphenylmethane dye chromogens, e.g. fluorescein derivatives	2521/343	. . Abzyme
2326/50	. Phenols; Naphthols; Catechols	2521/345	. . DNase
2326/90	. Developer	2521/50	. Other enzymatic activities (Not used)
2326/92	. . Nitro blue tetrazolium chloride, i.e. NBT	2521/501	. . Ligase
2326/96	. . 4-Amino-antipyrine	2521/507	. . Recombinase
<b>2334/00</b>	<b>O-linked chromogens for determinations of hydrolase enzymes, e.g. glycosidases, phosphatases, esterases</b>	2521/513	. . Winding/unwinding enzyme, e.g. helicase
2334/10	. p-Nitrophenol derivatives	2521/514	. . Mismatch repair protein
2334/20	. Coumarin derivatives	2521/519	. . Topoisomerase
2334/22	. . 4-Methylumbelliferyl, i.e. beta-methylumbelliferone, 4MU	2521/525	. . Phosphatase (Not used with code C12Q 2565/301)
2334/30	. Naphthol derivatives, e.g. alpha-naphthyl-esters, i.e. alpha-NE, beta-naphthyl-esters, i.e. beta-NE	2521/531	. . Glycosylase
2334/40	. Triphenylmethane dye chromogens, e.g. fluorescein derivatives	2521/537	. . Protease
2334/50	. Indoles	2521/539	. . Deaminase
2334/52	. . 5-Bromo-4-chloro-3-indolyl, i.e. BCI	2521/543	. . Immobilised enzyme(s)
2334/70	. the product, e.g. phenol, naphthol being diazotised <u>in situ</u> , e.g. with Fast Red	<b>2522/00</b>	<b>Reaction characterised by the use of non-enzymatic proteins (not used)</b>
<b>2337/00</b>	<b>N-linked chromogens for determinations of peptidases and proteinases</b>	2522/10	. Nucleic acid binding proteins (not used)
2337/10	. Anilides	2522/101	. . Single or double stranded nucleic acid binding proteins
2337/12	. . Para-Nitroanilides p-NA	<b>2523/00</b>	<b>Reactions characterised by treatment of reaction samples (not used)</b>
2337/20	. Coumarin derivatives	2523/10	. Characterised by chemical treatment (Not used)
2337/22	. . 7-Amino-4-methylcoumarin, i.e. AMC, MCA	2523/101	. . Crosslinking agents, e.g. psoralen
2337/24	. . 7-Amino-4-trifluoromethylcoumarin, i.e. AFC	2523/107	. . Chemical cleaving agents
2337/30	. Naphthyl amides, e.g. beta-NA, 2-NA, 4-methoxy-beta-naphthylamine, i.e. 4MNA	2523/109	. . chemical ligation between nucleic acids
2337/40	. Rhodamine derivatives	2523/113	. . Denaturing agents
2337/50	. Indoles	2523/115	. . oxidising agents
2337/52	. . 5-Bromo-4-chloro-3-indolyl, i.e. BCI	2523/119	. . Renaturing agents
<b>2500/00</b>	<b>Analytical methods involving nucleic acids (not used)</b>	2523/125	. . Bisulfite(s)
<b>2520/00</b>	<b>Reactions involving nucleic acids (not used)</b>	2523/30	. Characterised by physical treatment (Not used)
<b>2521/00</b>	<b>Reaction characterised by the enzymatic activity (not used)</b>	2523/301	. . Sonication
2521/10	. Nucleotidyl transferring (not used)	2523/303	. . Applying a physical force on a nucleic acid
2521/101	. . DNA polymerase	2523/305	. . Denaturation or renaturation by physical action
2521/107	. . RNA dependent DNA polymerase, (i.e. reverse transcriptase)	2523/307	. . Denaturation or renaturation by electric current/voltage
2521/113	. . Telomerase	2523/308	. . Adsorption or desorption
2521/119	. . RNA polymerase	2523/31	. . Electrostatic interactions, e.g. use of cationic polymers in hybridisation reactions
2521/125	. . Methyl transferase, i.e. methylase	2523/313	. . Irradiation, e.g. UV irradiation
2521/131	. . Terminal transferase	2523/319	. . Photocleavage, photolysis, photoactivation
2521/30	. Phosphoric diester hydrolysing, i.e. nuclease (Not used)	2523/32	. . Centrifugation
2521/301	. . Endonuclease	<b>2525/00</b>	<b>Reactions involving modified oligonucleotides, nucleic acids, or nucleotides</b>
2521/307	. . Single strand endonuclease	2525/10	. Modifications characterised by
2521/313	. . Type II endonucleases, i.e. cutting outside recognition site	2525/101	. . incorporating non-naturally occurring nucleotides, e.g. inosine
2521/319	. . Exonuclease	2525/107	. . incorporating a peptide nucleic acid
		2525/113	. . incorporating modified backbone
		2525/117	. . incorporating modified base
		2525/119	. . incorporating abasic sites
		2525/121	. . incorporating both deoxyribonucleotides and ribonucleotides
		2525/125	. . incorporating agents resulting in resistance to degradation
		2525/131	. . incorporating a restriction site
		2525/137	. . incorporating/modifying moieties to eliminate restriction sites

2525/143	. . incorporating a promoter sequence (Not used with code <a href="#">C12Q 2531/143</a> )	2531/149	. . Replicase based amplification, e.g. Q beta replicase
2525/149	. . incorporating a coding sequence	<b>2533/00</b>	<b>Reactions characterised by the enzymatic reaction principle used</b>
2525/15	. . incorporating a consensus or conserved sequence	2533/10	. . the purpose being to increase the length of an oligonucleotide strand ( <a href="#">ligase detection reaction</a> , <a href="#">LDR C12Q 2561/125</a> )
2525/151	. . repeat or repeated sequences, e.g. VNTR, microsatellite, concatemer	2533/101	. . Primer extension ( <a href="#">see also codes C12Q 2535/125</a> , <a href="#">C12Q 2565/537</a> )
2525/155	. . incorporating/generating a new priming site	2533/107	. . Probe/oligonucleotide ligation (Not used with code <a href="#">C12Q 2531/137</a> , <a href="#">C12Q 2561/125</a> )
2525/161	. . incorporating target specific and non-target specific sites	<b>2535/00</b>	<b>Reactions characterised by the assay type for determining the identity of a nucleotide base</b>
2525/173	. . incorporating a polynucleotide run, e.g. polyAs, polyTs	2535/10	. . the purpose being to determine the identity or sequence oligonucleotides characterised by (Not used)
2525/179	. . incorporating arbitrary or random nucleotide sequences	2535/101	. . Sanger sequencing method, i.e. oligonucleotide sequencing using primer elongation and dideoxynucleotides as chain terminators
2525/185	. . incorporating base(s) where the precise position of the base(s) in the nucleic acid string is important (Not to be used for 3'-end base)	2535/107	. . Maxam and Gilbert method, i.e. sequential release and detection of nucleotides
2525/186	. . incorporating a non-extendable or blocking moiety (not used with <a href="#">C12Q 2535/101</a> )	2535/113	. . Cycle sequencing
2525/191	. . incorporating an adaptor	2535/119	. . Double strand sequencing
2525/197	. . incorporating a spacer/coupling moiety	2535/122	. . Massive parallel sequencing
2525/203	. . incorporating a composite nucleic acid containing a polypeptide sequence other than PNA	2535/125	. . Allele specific primer extension
2525/204	. . specific length of the oligonucleotides	2535/131	. . Allele specific probes
2525/205	. . Aptamer	2535/137	. . Amplification Refractory Mutation System [ARMS]
2525/207	. . siRNA, miRNA	2535/138	. . Amplified fragment length polymorphism [AFLP]
2525/30	. Oligonucleotides characterised by their secondary structure	2535/139	. . Random amplification polymorphism detection [RAPD] (not to be used with <a href="#">C12Q 2525/179</a> )
2525/301	. . Hairpin oligonucleotides	<b>2537/00</b>	<b>Reactions characterised by the reaction format or use of a specific feature</b>
2525/307	. . Circular oligonucleotides	2537/10	. . the purpose or use of
2525/313	. . Branched oligonucleotides	2537/101	. . Homogeneous assay format, e.g. one pot reaction
<b>2527/00</b>	<b>Reactions demanding special reaction conditions (not used)</b>	2537/107	. . Homoduplex formation
2527/10	. . Reaction conditions characterised by ( <a href="#">metal/ion C12Q 2563/137</a> ) (not used)	2537/113	. . Heteroduplex formation
2527/101	. . Temperature	2537/119	. . Triple helix formation
2527/107	. . Temperature of melting, i.e. Tm	2537/125	. . Sandwich assay format
2527/109	. . Pressure	2537/137	. . a displacement step (Not used with code <a href="#">C12Q 2531/119</a> )
2527/113	. . Time	2537/1373	. . . Displacement by a nucleic acid
2527/119	. . pH	2537/1376	. . . Displacement by an enzyme
2527/125	. . Specific component of sample, medium or buffer (for <a href="#">metal/ion use C12Q 2563/137</a> )	2537/143	. . Multiplexing, i.e. use of multiple primers or probes in a single reaction, usually for simultaneously analyse of multiple analysis
2527/127	. . the enzyme inhibitor or activator used	2537/149	. . Sequential reactions (Not used with reactions implicitly known to be sequential, e.g. <a href="#">amplification reactions</a> )
2527/137	. . Concentration of a component of medium	2537/155	. . Cyclic reactions (Not used with codes <a href="#">C12Q 2531/101</a> - <a href="#">C12Q 2531/149</a> )
2527/143	. . Concentration of primer/probe	2537/157	. . A reaction step characterised by the number of molecules incorporated or released
2527/146	. . Concentration of target/template	2537/159	. . Reduction of complexity, e.g. amplification of subsets, removing duplicated genomic regions
2527/149	. . Concentration of an enzyme	2537/16	. . Assays for determining copy number or wherein the copy number is of special importance
2527/15	. . Gradients	2537/161	. . A competitive reaction step (Not used with code <a href="#">C12Q 2545/107</a> )
2527/153	. . Viscosity	2537/162	. . Helper probe
2527/156	. . Permeability		
<b>2531/00</b>	<b>Reactions of nucleic acids characterised by</b>		
2531/10	. . the purpose being amplify/increase the copy number of target nucleic acid (Not used)		
2531/101	. . Linear amplification, i.e. non exponential		
2531/107	. . Asymmetric PCR		
2531/113	. . PCR		
2531/119	. . Strand displacement amplification [SDA]		
2531/125	. . Rolling circle		
2531/131	. . Inverse PCR		
2531/137	. . Ligase Chain Reaction [LCR]		
2531/143	. . Promoter based amplification, e.g. NASBA, 3SR, TAS		



2537/163	. . blocking probe (not used in combination with <a href="#">C12Q 2527/127</a> or <a href="#">C12Q 2525/186</a> )	2561/113	. . Real time assay
2537/164	. . Methylation detection other than bisulfite or methylation sensitive restriction endonucleases	2561/119	. . Fluorescence polarisation
2537/165	. . Mathematical modelling, e.g. logarithm, ratio	2561/12	. . Fluorescence lifetime measurement
<b>2539/00</b>	<b>Reactions characterised by analysis of gene expression or genome comparison</b>	2561/125	. . Ligase Detection Reaction [LDR]
2539/10	. The purpose being sequence identification by analysis of gene expression or genome comparison characterised by	2561/127	. . Protein truncation assay
2539/101	. . Subtraction analysis	<b>2563/00</b>	<b>Nucleic acid detection characterised by the use of (not used)</b>
2539/103	. . Serial analysis of gene expression [SAGE]	2563/101	. radioactivity, e.g. radioactive labels
2539/105	. . Involving introns, exons, or splice junctions	2563/103	. luminescence
2539/107	. . Representational Difference Analysis [RDA]	2563/107	. fluorescence
2539/113	. . Differential Display Analysis [DDA]	2563/113	. the label being electroactive, e.g. redox labels
2539/115	. . Comparative genomic hybridisation [CGH]	2563/116	. electrical properties of nucleic acids, e.g. impedance, conductivity or resistance
<b>2541/00</b>	<b>Reactions characterised by directed evolution</b>	<b>NOTE</b>	
2541/10	. the purpose being the selection/design of target specific nucleic acid binding sequences (not used)	Not to be used with <a href="#">C12Q 2563/113</a>	
2541/101	. . Selex	2563/119	. the label being proteinic
<b>2543/00</b>	<b>Reactions characterised by the reaction site, e.g. cell or chromosome</b>	<b>NOTE</b>	
2543/10	. the purpose being " <u>in situ</u> " analysis	Not to be used with code <a href="#">C12Q 2565/531</a>	
2543/101	. . <u>in situ</u> amplification	2563/125	. the label being enzymatic, i.e. proteins, and non proteins, such as nucleic acid with enzymatic activity
<b>2545/00</b>	<b>Reactions characterised by their quantitative nature</b>	<b>NOTE</b>	
2545/10	. the purpose being quantitative analysis (Not used)	This code is restricted in use to ENZYMES as a LABEL	
2545/101	. . with an internal standard/control	2563/131	. the label being a member of a cognate binding pair, i.e. extends to antibodies, haptens, avidin
2545/107	. . with a competitive internal standard/control	2563/137	. Metal/ion, e.g. metal label
2545/113	. . with an external standard/control, i.e. control reaction is separated from the test/target reaction	2563/143	. Magnetism, e.g. magnetic label
2545/114	. . involving a quantitation step (not to be used with <a href="#">C12Q 2545/101</a> , <a href="#">C12Q 2545/107</a> , <a href="#">C12Q 2545/113</a> )	2563/149	. Particles, e.g. beads
<b>2547/00</b>	<b>Reactions characterised by the features used to prevent contamination</b>	2563/155	. Particles of a defined size, e.g. nanoparticles
2547/10	. the purpose being preventing contamination (Not used)	2563/157	. Nanotubes or nanorods
2547/101	. . by confinement to a single tube/container	2563/159	. Microreactors, e.g. emulsion PCR or sequencing, droplet PCR, microcapsules, i.e. non-liquid containers with a range of different permeability's for different reaction components
2547/107	. . Use of permeable barriers, e.g. waxes	2563/161	. Vesicles, e.g. liposome
<b>2549/00</b>	<b>Reactions characterised by the features used to influence the efficiency or specificity</b>	2563/167	. Mass label
2549/10	. the purpose being that of reducing false positive/negative signals (Not used)	2563/173	. staining/intercalating agent, e.g. ethidium bromide
2549/101	. . Hot start	2563/179	. the label being a nucleic acid
2549/107	. . Cold start	2563/185	. Nucleic acid dedicated to use as a hidden marker/bar code, e.g. inclusion of nucleic acids to mark art objects or animals
2549/113	. . using nested probes	<b>2565/00</b>	<b>Nucleic acid analysis characterised by mode or means of detection</b>
2549/119	. . using nested primers	2565/10	. Detection mode being characterised by (Not used)
2549/125	. . using sterilising/blocking agents, e.g. albumin	2565/101	. . Interaction between at least two labels
2549/126	. . using oligonucleotides as clamps (not to be used with <a href="#">C12Q 2525/107</a> )	2565/1015	. . . labels being on the same oligonucleotide
<b>2560/00</b>	<b>Nucleic acid detection (not used)</b>	2565/102	. . Multiple non-interacting labels
<b>2561/00</b>	<b>Nucleic acid detection characterised by assay method (not used)</b>	2565/1025	. . . labels being on the same oligonucleotide
2561/10	. Characterised by assay method (Not used)	2565/107	. . Alteration in the property of hybridised versus free label oligonucleotides
2561/101	. . Taqman	2565/113	. . based on agglutination/precipitation
2561/107	. . Enzyme complementation	2565/119	. . based on extraction of label to an organic phase, i.e. partitioning of label between different organic phases
2561/108	. . Hybridisation protection assay [HPA]	2565/125	. . Electrophoretic separation
2561/109	. . Invader technology	2565/131	. . Single/double strand conformational analysis, i.e. SSCP/DSCP

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2565/133	. . conformational analysis	2600/112	. Disease subtyping, staging or classification
2565/137	. . Chromatographic separation	2600/118	. Prognosis of disease development
2565/20	. Detection means characterised by being a gene reporter based analysis (Not used)	2600/124	. Animal traits, i.e. production traits, including athletic performance or the like
2565/201	. . Two hybrid system	2600/13	. Plant traits
2565/207	. . Three hybrid system	2600/136	. Screening for pharmacological compounds
2565/30	. Detection characterised by liberation/release of label (Not used)	2600/142	. Toxicological screening, e.g. expression profiles which identify toxicity
2565/301	. . Pyrophosphate (PPi)	2600/148	. Screening for cosmetic compounds
2565/40	. Detection characterised by signal amplification of label (not used)	2600/154	. Methylation markers
2565/401	. . Signal amplification by chemical polymerisation	2600/156	. Polymorphic or mutational markers
2565/50	. Detection characterised by immobilisation to a surface	2600/158	. Expression markers
2565/501	. . being on/an array of oligonucleotides	2600/16	. Primer sets for multiplex assays
2565/507	. . characterised by the density of the capture oligonucleotide	2600/166	. Oligonucleotides used as internal standards, controls or normalisation probes
2565/513	. . characterised by the pattern of the arrayed oligonucleotides	2600/172	. Haplotypes
2565/514	. . characterised by the use of the arrayed oligonucleotides as identifier tags, e.g. universal addressable array, anti-tag or tag complement array	2600/178	. miRNA, siRNA or ncRNA
2565/515	. . characterised by the interaction between or sequential use of two or more arrays		
2565/518	. . characterised by the immobilisation of the nucleic acid sample or target		
2565/519	. . characterised by the capture moiety being a single stranded oligonucleotide		
2565/525	. . characterised by the capture oligonucleotide being double stranded		
2565/531	. . characterised by the capture moiety being a protein for target oligonucleotides		
2565/537	. . characterised by the capture oligonucleotide acting as a primer		
2565/543	. . characterised by the use of two or more capture oligonucleotide primers in concert, e.g. bridge amplification (Not used with code C12Q 2537/149)		
2565/549	. . characterised by the capture oligonucleotide being a reporter labelled capture oligonucleotide		
2565/60	. Detection means characterised by use of a special device (Not used)		
2565/601	. . being a microscope, e.g. atomic force microscopy [AFM]		
2565/607	. . being a sensor, e.g. electrode		
2565/619	. . being a video camera		
2565/625	. . being a nucleic acid test strip device, e.g. dipsticks, strips, tapes, CD plates		
2565/626	. . being a flow cytometer		
2565/627	. . being a mass spectrometer (not to be used with C12Q 2563/167)		
2565/628	. . being a surface plasmon resonance spectrometer		
2565/629	. . being a microfluidic device		
2565/631	. . being a biochannel or pore		
2565/632	. . being a surface enhanced, e.g. resonance, Raman spectrometer		
2565/633	. . NMR		
2565/634	. . being an acoustic wave sensor		
2600/00	<b>Oligonucleotides characterized by their use (not used, see subgroups)</b>		
2600/106	. Pharmacogenomics, i.e. genetic variability in individual responses to drugs and drug metabolism		