

# 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, NUCLEIC ACIDS 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.

### WARNING

In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

<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>1/02</b>	<b>. involving viable microorganisms</b>
<b>1/001</b>	<b>. {Enzyme electrodes}</b>	<b>1/025</b>	<b>. . {for testing or evaluating the effect of chemical or biological compounds, e.g. drugs, cosmetics (antimicrobial activity <a href="#">C12Q 1/18</a>)}</b>
<b>1/002</b>	<b>. . {Electrode membranes}</b>	<b>1/04</b>	<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})</b>
<b>1/003</b>	<b>. . . {Functionalisation}</b>	<b>1/045</b>	<b>. . . {Culture media therefor}</b>
<b>1/004</b>	<b>. . {mediator-assisted}</b>	<b>1/06</b>	<b>. . . Quantitative determination</b>
<b>1/005</b>	<b>. . {involving specific analytes or enzymes (including groups of enzymes, e.g. oxydases; <a href="#">C12Q 1/004</a> takes precedence)}</b>	<b>1/08</b>	<b>. . . . using multifield media</b>
<b>1/006</b>	<b>. . . {for glucose}</b>	<b>1/10</b>	<b>. . . Enterobacteria</b>
<b>1/007</b>	<b>. {involving isoenzyme profiles (for detection of an individual isoenzyme <a href="#">C12Q 1/25</a> - <a href="#">C12Q 1/66</a>)}</b>	<b>1/12</b>	<b>. . . Nitrate to nitrite reducing bacteria</b>
<b>1/008</b>	<b>. {for determining co-enzymes or co-factors, e.g. NAD, ATP}</b>	<b>1/14</b>	<b>. . . Streptococcus; Staphylococcus</b>
		<b>1/16</b>	<b>. . . using radioactive material</b>
		<b>1/18</b>	<b>. . Testing for antimicrobial activity of a material</b>
		<b>1/20</b>	<b>. . . using multifield media</b>

- 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  
[C12Q 1/26](#) {- [C12Q 1/66](#)}
- 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 this group, classification is made according to the most relevant feature irrespective of the last place priority rule.

- 1/6804 . . Nucleic acid analysis using immunogens  
([immunoassay G01N 33/53](#))
- 1/6806 . . Preparing nucleic acids for analysis, e.g. for polymerase chain reaction [PCR] assay  
([C12Q 1/6804](#) takes precedence)
- 1/6809 . . Methods for determination or identification of nucleic acids involving differential detection
- 1/6811 . . Selection methods for production or design of target specific oligonucleotides or binding molecules
- 1/6813 . . Hybridisation assays
- 1/6816 . . . characterised by the detection means  
([C12Q 1/6804](#) takes precedence)
- 1/6818 . . . . involving interaction of two or more labels, e.g. resonant energy transfer
- 1/682 . . . . Signal amplification
- 1/6823 . . . . Release of bound markers
- 1/6825 . . . . Nucleic acid detection involving sensors
- 1/6827 . . . for detection of mutation or polymorphism
- 1/683 . . . . involving restriction enzymes, e.g. restriction fragment length polymorphism [RFLP]
- 1/6832 . . . Enhancement of hybridisation reaction
- 1/6834 . . . Enzymatic or biochemical coupling of nucleic acids to a solid phase

- 1/6837 . . . . using probe arrays or probe chips  
([C12Q 1/6874](#) takes precedence)
- 1/6839 . . . Triple helix formation or other higher order conformations in hybridisation assays
- 1/6841 . . . [In situ](#) hybridisation
- 1/6844 . . Nucleic acid amplification reactions
- 1/6846 . . . {[Common amplification features](#)}
- 1/6848 . . . characterised by the means for preventing contamination or increasing the specificity or sensitivity of an amplification reaction
- 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. nucleic acid sequence amplification [NASBA], self-sustained sequence replication [3SR] or transcription-based amplification system [TAS]
- 1/6867 . . . Replicase-based amplification, e.g. using Q-beta replicase
- 1/6869 . . Methods for sequencing
- 1/6872 . . . involving mass spectrometry
- 1/6874 . . . involving nucleic acid arrays, e.g. sequencing by hybridisation
- 1/6876 . . Nucleic acid products used in the analysis of nucleic acids, e.g. primers or probes
- 1/6879 . . . for sex determination
- 1/6881 . . . for tissue or cell typing, e.g. human leukocyte antigen [HLA] probes
- 1/6883 . . . for diseases caused by alterations of genetic material
- 1/6886 . . . . for cancer ([immunoassay for cancer G01N 33/574](#))
- 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	2521/10	. Nucleotidyl transferring
2304/22	. . Resazurin; Resorufin	2521/101	. . DNA polymerase
2304/24	. . Tetrazolium; Formazan	2521/107	. . RNA dependent DNA polymerase, (i.e. reverse transcriptase)
2304/26	. . Quinone; Quinol	2521/113	. . Telomerase
2304/40	. Detection of gases	2521/119	. . RNA polymerase
2304/44	. . Oxygen	2521/125	. . Methyl transferase, i.e. methylase
2304/46	. . Carbon dioxide	2521/131	. . Terminal transferase
2304/48	. . Ammonia or volatile amines	2521/30	. Phosphoric diester hydrolysing, i.e. nuclease
2304/60	. Chemiluminescent detection using ATP-luciferin-luciferase system	2521/301	. . Endonuclease
2304/80	. Electrochemical detection via electrodes in contact with culture medium	2521/307	. . Single strand endonuclease
		2521/313	. . Type II endonucleases, i.e. cutting outside recognition site
<b>2326/00</b>	<b>Chromogens for determinations of oxidoreductase enzymes</b>	2521/319	. . Exonuclease
2326/10	. Benzidines	2521/325	. . Single stranded exonuclease
2326/12	. . 3,3',5,5'-Tetramethylbenzidine, i.e. TMB	2521/327	. . RNase, e.g. RNaseH
2326/14	. . Ortho-Tolidine, i.e. 3,3'-dimethyl-(1,1'-biphenyl-4,4'-diamine)	2521/331	. . Methylation site specific nuclease
2326/20	. Ortho-Phenylenediamine	2521/337	. . Ribozyme
2326/30	. 2,2'-Azinobis (3-ethylbenzothiazoline-6-sulfonic acid), i.e. ABTS	2521/343	. . Abzyme
2326/32	. 3-Methyl-2-benzothiazolinone hydrazone hydrochloride hydrate, i.e. MBTH	2521/345	. . DNase
2326/40	. Triphenylmethane dye chromogens, e.g. fluorescein derivatives	2521/50	. Other enzymatic activities
2326/50	. Phenols; Naphthols; Catechols	2521/501	. . Ligase
2326/90	. Developer	2521/507	. . Recombinase
2326/92	. . Nitro blue tetrazolium chloride, i.e. NBT	2521/513	. . Winding/unwinding enzyme, e.g. helicase
2326/96	. . 4-Amino-antipyrine	2521/514	. . Mismatch repair protein
		2521/519	. . Topoisomerase
<b>2334/00</b>	<b>O-linked chromogens for determinations of hydrolase enzymes, e.g. glycosidases, phosphatases, esterases</b>	2521/525	. . Phosphatase
2334/10	. p-Nitrophenol derivatives	2521/531	. . Glycosylase
2334/20	. Coumarin derivatives	2521/537	. . Protease
2334/22	. . 4-Methylumbelliferyl, i.e. beta-methylumbelliferone, 4MU	2521/539	. . Deaminase
2334/30	. Naphthol derivatives, e.g. alpha-naphthyl-esters, i.e. alpha-NE, beta-naphthyl-esters, i.e. beta-NE	2521/543	. . Immobilised enzyme(s)
2334/40	. Triphenylmethane dye chromogens, e.g. fluorescein derivatives	<b>2522/00</b>	<b>Reaction characterised by the use of non-enzymatic proteins</b>
2334/50	. Indoles	2522/10	. Nucleic acid binding proteins
2334/52	. . 5-Bromo-4-chloro-3-indolyl, i.e. BCI	2522/101	. . Single or double stranded nucleic acid binding proteins
2334/70	. the product, e.g. phenol, naphthol being diazotised <u>in situ</u> , e.g. with Fast Red		
<b>2337/00</b>	<b>N-linked chromogens for determinations of peptidases and proteinases</b>	<b>2523/00</b>	<b>Reactions characterised by treatment of reaction samples</b>
2337/10	. Anilides	2523/10	. Characterised by chemical treatment
2337/12	. . Para-Nitroanilides p-NA	2523/101	. . Crosslinking agents, e.g. psoralen
2337/20	. Coumarin derivatives	2523/107	. . Chemical cleaving agents
2337/22	. . 7-Amino-4-methylcoumarin, i.e. AMC, MCA	2523/109	. . chemical ligation between nucleic acids
2337/24	. . 7-Amino-4-trifluoromethylcoumarin, i.e. AFC	2523/113	. . Denaturing agents
2337/30	. Naphthyl amides, e.g. beta-NA, 2-NA, 4-methoxy-beta-naphthylamine, i.e. 4MNA	2523/115	. . oxidising agents
2337/40	. Rhodamine derivatives	2523/119	. . Renaturing agents
2337/50	. Indoles	2523/125	. . Bisulfite(s)
2337/52	. . 5-Bromo-4-chloro-3-indolyl, i.e. BCI	2523/30	. Characterised by physical treatment
<b>2500/00</b>	<b>Analytical methods involving nucleic acids</b>	2523/301	. . Sonication
<b>2520/00</b>	<b>Reactions involving nucleic acids</b>	2523/303	. . Applying a physical force on a nucleic acid
<b>2521/00</b>	<b>Reaction characterised by the enzymatic activity</b>	2523/305	. . Denaturation or renaturation by physical action
		2523/307	. . Denaturation or renaturation by electric current/voltage
		2523/308	. . Adsorption or desorption
		2523/31	. . Electrostatic interactions, e.g. use of cationic polymers in hybridisation reactions
		2523/313	. . Irradiation, e.g. UV irradiation
		2523/319	. . Photocleavage, photolysis, photoactivation
		2523/32	. . Centrifugation
		<b>2525/00</b>	<b>Reactions involving modified oligonucleotides, nucleic acids, or nucleotides</b>

2525/10	. Modifications characterised by	2531/107	. . Probe or oligonucleotide ligation
2525/101	. . incorporating non-naturally occurring nucleotides, e.g. inosine	2531/113	. . PCR
2525/107	. . incorporating a peptide nucleic acid	2531/119	. . Strand displacement amplification [SDA]
2525/113	. . incorporating modified backbone	2531/125	. . Rolling circle
2525/117	. . incorporating modified base	2531/131	. . Inverse PCR
2525/119	. . incorporating abasic sites	2531/137	. . Ligase Chain Reaction [LCR]
2525/121	. . incorporating both deoxyribonucleotides and ribonucleotides	2531/143	. . Promoter based amplification, e.g. NASBA, 3SR, TAS
2525/125	. . incorporating agents resulting in resistance to degradation	2531/149	. . Replicase based amplification, e.g. Q beta replicase
2525/131	. . incorporating a restriction site	<b>2533/00</b>	<b>Reactions characterised by the enzymatic reaction principle used</b>
2525/137	. . incorporating/modifying moieties to eliminate restriction sites	2533/10	. the purpose being to increase the length of an oligonucleotide strand
2525/143	. . incorporating a promoter sequence	2533/101	. . Primer extension
2525/149	. . incorporating a coding sequence	2533/107	. . Probe or oligonucleotide ligation
2525/15	. . incorporating a consensus or conserved sequence	<b>2535/00</b>	<b>Reactions characterised by the assay type for determining the identity of a nucleotide base or a sequence of oligonucleotides</b>
2525/151	. . repeat or repeated sequences, e.g. VNTR, microsatellite, concatemer	2535/101	. Sanger sequencing method, i.e. oligonucleotide sequencing using primer elongation and dideoxynucleotides as chain terminators
2525/155	. . incorporating/generating a new priming site	2535/107	. Maxam and Gilbert method, i.e. sequential release and detection of nucleotides
2525/161	. . incorporating target specific and non-target specific sites	2535/113	. Cycle sequencing
2525/173	. . incorporating a polynucleotide run, e.g. polyAs, polyTs	2535/119	. Double strand sequencing
2525/179	. . incorporating arbitrary or random nucleotide sequences	2535/122	. Massive parallel sequencing
2525/185	. . incorporating bases where the precise position of the bases in the nucleic acid string is important	2535/125	. Allele specific primer extension
2525/186	. . incorporating a non-extendable or blocking moiety	2535/131	. Allele specific probes
2525/191	. . incorporating an adaptor	2535/137	. Amplification Refractory Mutation System [ARMS]
2525/197	. . incorporating a spacer/coupling moiety	2535/138	. Amplified fragment length polymorphism [AFLP]
2525/203	. . incorporating a composite nucleic acid containing a polypeptide sequence other than PNA	2535/139	. Random amplification polymorphism detection [RAPD]
2525/204	. . specific length of the oligonucleotides	<b>2537/00</b>	<b>Reactions characterised by the reaction format or use of a specific feature</b>
2525/205	. . Aptamer	2537/10	. the purpose or use of
2525/207	. . siRNA, miRNA	2537/101	. . Homogeneous assay format, e.g. one pot reaction
2525/30	. Oligonucleotides characterised by their secondary structure	2537/107	. . Homoduplex formation
2525/301	. . Hairpin oligonucleotides	2537/113	. . Heteroduplex formation
2525/307	. . Circular oligonucleotides	2537/119	. . Triple helix formation
2525/313	. . Branched oligonucleotides	2537/125	. . Sandwich assay format
<b>2527/00</b>	<b>Reactions demanding special reaction conditions</b>	2537/137	. . a displacement step
2527/101	. Temperature	2537/1373	. . . Displacement by a nucleic acid
2527/107	. Temperature of melting, i.e. T <sub>m</sub>	2537/1376	. . . Displacement by an enzyme
2527/109	. Pressure	2537/143	. . Multiplexing, i.e. use of multiple primers or probes in a single reaction, usually for simultaneously analyse of multiple analysis
2527/113	. Time	2537/149	. . Sequential reactions
2527/119	. pH	2537/155	. . Cyclic reactions
2527/125	. Specific component of sample, medium or buffer	2537/157	. . A reaction step characterised by the number of molecules incorporated or released
2527/127	. the enzyme inhibitor or activator used	2537/159	. . Reduction of complexity, e.g. amplification of subsets, removing duplicated genomic regions
2527/137	. Concentration of a component of medium	2537/16	. . Assays for determining copy number or wherein the copy number is of special importance
2527/143	. Concentration of primer or probe	2537/161	. . A competitive reaction step
2527/146	. Concentration of target or template	2537/162	. . Helper probe
2527/149	. Concentration of an enzyme	2537/163	. . blocking probe
2527/15	. Gradients	2537/164	. . Methylation detection other than bisulfite or methylation sensitive restriction endonucleases
2527/153	. Viscosity	2537/165	. . Mathematical modelling, e.g. logarithm, ratio
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		
2531/101	. . Linear amplification, i.e. non exponential		

<b>2539/00</b>	<b>Reactions characterised by analysis of gene expression or genome comparison</b>	2563/107	• fluorescence
2539/10	• The purpose being sequence identification by analysis of gene expression or genome comparison characterised by	2563/113	• the label being electroactive, e.g. redox labels
2539/101	• • Subtraction analysis	2563/116	• electrical properties of nucleic acids, e.g. impedance, conductivity or resistance
2539/103	• • Serial analysis of gene expression [SAGE]	2563/119	• the label being proteinic
2539/105	• • Involving introns, exons, or splice junctions	2563/125	• the label being enzymatic, i.e. proteins, and non proteins, such as nucleic acid with enzymatic activity
2539/107	• • Representational Difference Analysis [RDA]	2563/131	• the label being a member of a cognate binding pair, i.e. extends to antibodies, haptens, avidin
2539/113	• • Differential Display Analysis [DDA]	2563/137	• Metal/ion, e.g. metal label
2539/115	• • Comparative genomic hybridisation [CGH]	2563/143	• Magnetism, e.g. magnetic label
<b>2541/00</b>	<b>Reactions characterised by directed evolution</b>	2563/149	• Particles, e.g. beads
2541/10	• the purpose being the selection or design of target specific nucleic acid binding sequences	2563/155	• Particles of a defined size, e.g. nanoparticles
2541/101	• • Selex	2563/157	• Nanotubes or nanorods
<b>2543/00</b>	<b>Reactions characterised by the reaction site, e.g. cell or chromosome</b>	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
2543/10	• the purpose being " <u>in situ</u> " analysis	2563/161	• Vesicles, e.g. liposome
2543/101	• • <u>in situ</u> amplification	2563/167	• Mass label
<b>2545/00</b>	<b>Reactions characterised by their quantitative nature</b>	2563/173	• staining/intercalating agent, e.g. ethidium bromide
2545/10	• the purpose being quantitative analysis	2563/179	• the label being a nucleic acid
2545/101	• • with an internal standard/control	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
2545/107	• • with a competitive internal standard/control	<b>2565/00</b>	<b>Nucleic acid analysis characterised by mode or means of detection</b>
2545/113	• • with an external standard/control, i.e. control reaction is separated from the test/target reaction	2565/10	• Detection mode being characterised by the assay principle
2545/114	• • involving a quantitation step	2565/101	• • Interaction between at least two labels
<b>2547/00</b>	<b>Reactions characterised by the features used to prevent contamination</b>	2565/1015	• • • labels being on the same oligonucleotide
2547/10	• the purpose being preventing contamination	2565/102	• • Multiple non-interacting labels
2547/101	• • by confinement to a single tube/container	2565/1025	• • • labels being on the same oligonucleotide
2547/107	• • Use of permeable barriers, e.g. waxes	2565/107	• • Alteration in the property of hybridised versus free label oligonucleotides
<b>2549/00</b>	<b>Reactions characterised by the features used to influence the efficiency or specificity</b>	2565/113	• • based on agglutination/precipitation
2549/10	• the purpose being that of reducing false positive or false negative signals	2565/119	• • based on extraction of label to an organic phase, i.e. partitioning of label between different organic phases
2549/101	• • Hot start	2565/125	• • Electrophoretic separation
2549/107	• • Cold start	2565/131	• • Single/double strand conformational analysis, i.e. SSCP/DSCP
2549/113	• • using nested probes	2565/133	• • conformational analysis
2549/119	• • using nested primers	2565/137	• • Chromatographic separation
2549/125	• • using sterilising/blocking agents, e.g. albumin	2565/20	• Detection means characterised by being a gene reporter based analysis
2549/126	• • using oligonucleotides as clamps	2565/201	• • Two hybrid system
<b>2560/00</b>	<b>Nucleic acid detection</b>	2565/207	• • Three hybrid system
<b>2561/00</b>	<b>Nucleic acid detection characterised by assay method</b>	2565/30	• Detection characterised by liberation or release of label
2561/101	• Taqman	2565/301	• • Pyrophosphate (PPi)
2561/107	• Enzyme complementation	2565/40	• Detection characterised by signal amplification of label
2561/108	• Hybridisation protection assay [HPA]	2565/401	• • Signal amplification by chemical polymerisation
2561/109	• Invader technology	2565/50	• Detection characterised by immobilisation to a surface
2561/113	• Real time assay	2565/501	• • being an array of oligonucleotides
2561/119	• Fluorescence polarisation	2565/507	• • characterised by the density of the capture oligonucleotide
2561/12	• Fluorescence lifetime measurement	2565/513	• • characterised by the pattern of the arrayed oligonucleotides
2561/125	• Ligase Detection Reaction [LDR]		
2561/127	• Protein truncation assay		
<b>2563/00</b>	<b>Nucleic acid detection characterized by the use of physical, structural and functional properties</b>		
2563/101	• radioactivity, e.g. radioactive labels		
2563/103	• luminescence		

- 2565/514 . . characterised by the use of the arrayed oligonucleotides as identifier tags, e.g. universal addressable array, anti-tag or tag complement array
- 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
- 2565/549 . . characterised by the capture oligonucleotide being a reporter labelled capture oligonucleotide
- 2565/60 . Detection means characterised by use of a special device
- 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
- 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 . Oligonucleotides characterized by their use**
- 2600/106 . Pharmacogenomics, i.e. genetic variability in individual responses to drugs and drug metabolism
- 2600/112 . Disease subtyping, staging or classification
- 2600/118 . Prognosis of disease development
- 2600/124 . Animal traits, i.e. production traits, including athletic performance or the like
- 2600/13 . Plant traits
- 2600/136 . Screening for pharmacological compounds
- 2600/142 . Toxicological screening, e.g. expression profiles which identify toxicity
- 2600/148 . Screening for cosmetic compounds
- 2600/154 . Methylation markers
- 2600/156 . Polymorphic or mutational markers
- 2600/158 . Expression markers
- 2600/16 . Primer sets for multiplex assays
- 2600/166 . Oligonucleotides used as internal standards, controls or normalisation probes
- 2600/172 . Haplotypes
- 2600/178 . miRNA, siRNA or ncRNA