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 <u>does not cover</u> the observation of the progress or of the result of processes specified in this subclass by any of the methods specified in groups <u>G01N 3/00</u> <u>G01N 29/00</u>, which is covered by subclass <u>G01N</u>.
- 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.

Measuring or testing processes involving enzymes.

- 4. In this subclass, test media are classified in the appropriate group for the relevant test process.
- 5. In this subclass, it is desirable to add the indexing codes of subclass C12R.
- 6. {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.}
- 7. {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.}
- 8. {In groups C12Q 1/6876 C12Q 1/6895 and C12Q 1/701 C12Q 1/708 it is compulsory 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 document relates to products.}
- 9. {In this subclass, combination sets [C-Sets] are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the definitions of C12Q.}

WARNING

1/00

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.

1/005

• • {involving specific analytes or enzymes

1/00	wicasuring or testing processes involving enzymes,	1/005	• • (myorving specific analytes of enzymes
	nucleic acids or microorganisms (measuring		(including groups of enzymes, e.g. oxydases;
	or testing apparatus with condition measuring or		C12Q 1/004 takes precedence)}
	sensing means, e.g. colony counters, C12M 1/34);	1/006	• • · {for glucose}
	Compositions therefor; Processes of preparing such compositions	1/007	• {involving isoenzyme profiles (for detection of an individual isoenzyme C12Q 1/25 - C12Q 1/66)}
	NOTE	1/008	• {for determining co-enzymes or co-factors, e.g. NAD, ATP}
	{In this group, C-Sets are used for classification.	1/02	 involving viable microorganisms
	The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of C12Q.}	1/025	• • {for testing or evaluating the effect of chemical or biological compounds, e.g. drugs, cosmetics (antimicrobial activity C12Q 1/18)}
1/001 1/002 1/003 1/004	{Enzyme electrodes}. {Electrode membranes}. {Functionalisation}. {mediator-assisted}	1/04	 Determining presence or kind of microorganism; Use of selective media for testing antibiotics or bacteriocides; Compositions containing a chemical indicator therefor {(C12Q 1/6897 takes precedence)}

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1/045	• • {Culture media therefor}	1/6816 characterised by the detection means
1/06	Quantitative determination	(<u>C12Q 1/6804</u> takes precedence)
1/08	using multifield media	1/6818 involving interaction of two or more labels, e.g. resonant energy transfer
1/10	Enterobacteria	1/682 Signal amplification
1/12	Nitrate to nitrite reducing bacteria	1/6823 Release of bound markers
1/14	Streptococcus; Staphylococcus	1/6825 Nucleic acid detection involving sensors
1/16	using radioactive material	1/6827 for detection of mutation or polymorphism
1/18	• Testing for antimicrobial activity of a material	1/683 involving restriction enzymes, e.g. restriction
1/20	using multifield media	fragment length polymorphism [RFLP]
1/22	Testing for sterility conditions	1/6832 Enhancement of hybridisation reaction
1/24	 Methods of sampling, or inoculating or spreading a sample; Methods of physically isolating an intact microorganisms 	1/6834 Enzymatic or biochemical coupling of nucleic acids to a solid phase
1/25	• involving enzymes not classifiable in groups C12Q 1/26 {- C12Q 1/66}	1/6837 using probe arrays or probe chips (C12Q 1/6874 takes precedence)
1/26	 involving oxidoreductase 	1/6839 Triple helix formation or other higher order
1/28	involving peroxidase	conformations in hybridisation assays
1/30	involving catalase	1/6841 <u>In situ</u> hybridisation
1/32	involving dehydrogenase	1/6844 Nucleic acid amplification reactions
1/34	 involving hydrolase 	1/6846 {Common amplification features}
1/37	involving peptidase or proteinase	1/6848 characterised by the means for preventing
1/40	involving amylase	contamination or increasing the specificity or
1/42	involving phosphatase	sensitivity of an amplification reaction
1/44	involving esterase	1/6851 Quantitative amplification
1/46	involving cholinesterase	1/6853 using modified primers or templates
1/48	involving transferase	1/6855 Ligating adaptors
1/485	• • {involving kinase}	1/6858 Allele-specific amplification
1/50	involving creatine phosphokinase	1/686 Polymerase chain reaction [PCR]
1/52	involving transaminase	1/6862 Ligase chain reaction [LCR]
1/527	 involving lyase 	1/6865 Promoter-based amplification, e.g. nucleic
1/533	 involving isomerase 	acid sequence amplification [NASBA], self-
1/54	 involving glucose or galactose 	sustained sequence replication [3SR] or
1/56	 involving blood clotting factors, e.g. involving 	transcription-based amplification system [TAS]
	thrombin, thromboplastin, fibrinogen	1/6867 Replicase-based amplification, e.g. using Q-beta replicase
1/58	 involving urea or urease 	1/6869 • Methods for sequencing
1/60	 involving cholesterol 	1/6872 involving mass spectrometry
1/61	 involving triglycerides 	1/6874 involving nucleic acid arrays, e.g. sequencing
1/62	 involving uric acid 	by hybridisation
1/64	. Geomicrobiological testing, e.g. for petroleum	1/6876 • Nucleic acid products used in the analysis of
1/66	 involving luciferase 	nucleic acids, e.g. primers or probes
1/68	 involving nucleic acids 	1/6879 for sex determination
	<u>NOTES</u>	1/6881 for tissue or cell typing, e.g. human leukocyte
	1. In this group, classification is made according to	antigen [HLA] probes
	the most relevant feature irrespective of the last	1/6883 for diseases caused by alterations of genetic
	place priority rule.	material
		1/6886 for cancer (immunoassay for cancer
	 In groups C12Q 1/68 - C12Q 1/6874, and C12Q 1/6897, C-Sets are used for classification. 	G01N 33/574)
	The detailed information about the C-Sets	1/6888 for detection or identification of organisms
	construction and the associated syntax rules are	1/689 for bacteria
	found in the Definitions of C12Q.}	1/6893 for protozoa
		1/6895 for plants, fungi or algae
1/6804	Nucleic acid analysis using immunogens (immunoassay G01N 33/53)	1/6897 involving reporter genes operably linked to promoters
1/6806	Preparing nucleic acids for analysis, e.g.	1/70 • involving virus or bacteriophage {(immunoassay for
1/0000	for polymerase chain reaction [PCR] assay	viruses G01N 33/56983)}
	(C12Q 1/6804 takes precedence)	
1/6809	Methods for determination or identification of	<u>NOTES</u>
	nucleic acids involving differential detection	1. {In this group, classification is made according
1/6811	Selection methods for production or design	to the most relevant feature irrespective of the
	of target specific oligonucleotides or binding	last place priority rule.}
	molecules	2. {In this group, C-Sets are used for classification.
1/6813	Hybridisation assays	The detailed information about the C-Sets

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C12Q 1/70			
(continued)	construction and the associated syntax rules are found in the Definitions of C12Q.}	2334/40	Triphenylmethane dye chromogens, e.g. fluorescein derivatives
1/701	(Considia bribaidization machas)	2334/50	. Indoles
1/701	• • {Specific hybridization probes}	2334/52	• • 5-Bromo-4-chloro-3-indolyl, i.e. BCI
	(Vinese associated with AIDS)	2334/70	• the product, e.g. phenol, naphthol being diazotised
1/703	• • • {Viruses associated with AIDS}		in situ, e.g. with Fast Red
1/705	• • • {for herpetoviridae, e.g. herpes simplex, varicella zoster}	2337/00	N-linked chromogens for determinations of peptidases and proteinases
1/706	{for hepatitis}	2337/10	Anilides
1/707	• • • {non-A, non-B Hepatitis, excluding hepatitis	2337/10	Para-Nitroanilides p-NA
1/700	D}	2337/12	. Coumarin derivatives
1/708	• • • {for papilloma}	2337/20	. 7-Amino-4-methylcoumarin, i.e. AMC, MCA
3/00	Condition responsive control processes (apparatus	2337/24	• 7-Amino-4-methylcoumarin, i.e. AMC, MCA • . 7-Amino-4-trifluoromethylcoumarin, i.e. AFC
	therefor C12M 1/36; controlling or regulating in	2337/24	Naphthyl amides, e.g. beta-NA, 2-NA, 4-methoxy-
	general <u>G05</u>)	2337/30	beta-naphthylamine, i.e. 4MNA
2204/00		2337/40	Rhodamine derivatives
2304/00	Chemical means of detecting microorganisms	2337/50	. Indoles
	(hydrolase substrates <u>C12Q 2334/00</u> , peptidase substrates <u>C12Q 2337/00</u>)	2337/52	• 5-Bromo-4-chloro-3-indolyl, i.e. BCI
2204/10	DNA staining		• • 5 Bromo 4 chioro 5 indoryi, i.e. Ber
2304/10 2304/12	Ethidium	2500/00	Analytical methods involving nucleic acids
2304/12			NOTE
	. Propidium		
2304/16 2304/18	Acridine orange Thionin-type dyes, e.g. Azure, Toluidine Blue		Indexing codes C12Q 2500/00 - C12Q 2565/634 are only used as subsequent symbols in C-Sets and
2304/18	Redox indicators		are not allocated as single symbols. The detailed
2304/20			information about the C-Sets construction and the
2304/24	Resazurin; Resorufin Tetrazolium; Formazan		associated syntax rules is present in the Definitions
2304/24	Quinone; Quinol		of <u>C12Q</u> .
2304/20	Detection of gases	2520/00	
2304/44	. Oxygen	2520/00	Reactions involving nucleic acids
2304/44	. Carbon dioxide	2521/00	Reaction characterised by the enzymatic activity
2304/48	Ammonia or volatile amines	2521/10	Nucleotidyl transfering
2304/40		0501/101	
2304/60	Chemiluminescent detection using ATP-luciferin-	2521/101	DNA polymerase
2304/60	Chemiluminescent detection using ATP-luciferin- luciferase system	2521/101 2521/107	. DNA polymerase . RNA dependent DNA polymerase,(i.e. reverse
	luciferase system		
2304/60 2304/80	-		RNA dependent DNA polymerase, (i.e. reverse
2304/80	luciferase system • Electrochemical detection via electrodes in contact with culture medium	2521/107	RNA dependent DNA polymerase,(i.e. reverse transcriptase)
	luciferase system • Electrochemical detection via electrodes in contact with culture medium Chromogens for determinations of oxidoreductase	2521/107 2521/113	. RNA dependent DNA polymerase, (i.e. reverse transcriptase). Telomerase
2304/80 2326/00	luciferase system • Electrochemical detection via electrodes in contact with culture medium Chromogens for determinations of oxidoreductase enzymes	2521/107 2521/113 2521/119	 . RNA dependent DNA polymerase, (i.e. reverse transcriptase) . Telomerase . RNA polymerase
2304/80 2326/00 2326/10	luciferase system • Electrochemical detection via electrodes in contact with culture medium Chromogens for determinations of oxidoreductase enzymes • Benzidines	2521/107 2521/113 2521/119 2521/125	 RNA dependent DNA polymerase, (i.e. reverse transcriptase) Telomerase RNA polymerase Methyl transferase, i.e. methylase
2304/80 2326/00 2326/10 2326/12	 luciferase system Electrochemical detection via electrodes in contact with culture medium Chromogens for determinations of oxidoreductase enzymes Benzidines 3,3',5,5'-Tetramethylbenzidine, i.e. TMB 	2521/107 2521/113 2521/119 2521/125 2521/131	 RNA dependent DNA polymerase, (i.e. reverse transcriptase) Telomerase RNA polymerase Methyl transferase, i.e. methylase Terminal transferase Phosphoric diester hydrolysing, i.e. nuclease Endonuclease
2304/80 2326/00 2326/10	luciferase system Electrochemical detection via electrodes in contact with culture medium Chromogens for determinations of oxidoreductase enzymes Benzidines 3,3',5,5'-Tetramethylbenzidine, i.e. TMB Ortho-Tolidine, i.e. 3,3'-dimethyl-(1,1'-	2521/107 2521/113 2521/119 2521/125 2521/131 2521/30	 RNA dependent DNA polymerase, (i.e. reverse transcriptase) Telomerase RNA polymerase Methyl transferase, i.e. methylase Terminal transferase Phosphoric diester hydrolysing, i.e. nuclease Endonuclease Single strand endonuclease
2304/80 2326/00 2326/10 2326/12 2326/14	 luciferase system Electrochemical detection via electrodes in contact with culture medium Chromogens for determinations of oxidoreductase enzymes Benzidines 3,3',5,5'-Tetramethylbenzidine, i.e. TMB Ortho-Tolidine, i.e. 3,3'-dimethyl-(1,1'-biphenyl-4,4'-diamine) 	2521/107 2521/113 2521/119 2521/125 2521/131 2521/30 2521/301	 RNA dependent DNA polymerase, (i.e. reverse transcriptase) Telomerase RNA polymerase Methyl transferase, i.e. methylase Terminal transferase Phosphoric diester hydrolysing, i.e. nuclease Endonuclease Single strand endonuclease Type II endonucleases, i.e. cutting outside
2304/80 2326/00 2326/10 2326/12 2326/14 2326/20	 luciferase system Electrochemical detection via electrodes in contact with culture medium Chromogens for determinations of oxidoreductase enzymes Benzidines 3,3',5,5'-Tetramethylbenzidine, i.e. TMB Ortho-Tolidine, i.e. 3,3'-dimethyl-(1,1'-biphenyl-4,4'-diamine) Ortho-Phenylenediamine 	2521/107 2521/113 2521/119 2521/125 2521/131 2521/30 2521/307 2521/313	 RNA dependent DNA polymerase, (i.e. reverse transcriptase) Telomerase RNA polymerase Methyl transferase, i.e. methylase Terminal transferase Phosphoric diester hydrolysing, i.e. nuclease Endonuclease Single strand endonuclease Type II endonucleases, i.e. cutting outside recognition site
2304/80 2326/00 2326/10 2326/12 2326/14	luciferase system Electrochemical detection via electrodes in contact with culture medium Chromogens for determinations of oxidoreductase enzymes Benzidines 3,3',5,5'-Tetramethylbenzidine, i.e. TMB Ortho-Tolidine, i.e. 3,3'-dimethyl-(1,1'-biphenyl-4,4'-diamine) Ortho-Phenylenediamine 2,2'-Azinobis (3-ethylbenzothiazoline-6-sulfonic	2521/107 2521/113 2521/119 2521/125 2521/131 2521/300 2521/307 2521/313 2521/319	 RNA dependent DNA polymerase, (i.e. reverse transcriptase) Telomerase RNA polymerase Methyl transferase, i.e. methylase Terminal transferase Phosphoric diester hydrolysing, i.e. nuclease Endonuclease Single strand endonuclease Type II endonucleases, i.e. cutting outside recognition site Exonuclease
2326/00 2326/10 2326/12 2326/14 2326/20 2326/30	 luciferase system Electrochemical detection via electrodes in contact with culture medium Chromogens for determinations of oxidoreductase enzymes Benzidines 3,3',5,5'-Tetramethylbenzidine, i.e. TMB Ortho-Tolidine, i.e. 3,3'-dimethyl-(1,1'-biphenyl-4,4'-diamine) Ortho-Phenylenediamine 2,2'-Azinobis (3-ethylbenzothiazoline-6-sulfonic acid), i.e. ABTS 	2521/107 2521/113 2521/119 2521/125 2521/131 2521/301 2521/307 2521/313 2521/319 2521/325	 RNA dependent DNA polymerase, (i.e. reverse transcriptase) Telomerase RNA polymerase Methyl transferase, i.e. methylase Terminal transferase Phosphoric diester hydrolysing, i.e. nuclease Endonuclease Single strand endonuclease Type II endonucleases, i.e. cutting outside recognition site Exonuclease Single stranded exonuclease
2304/80 2326/00 2326/10 2326/12 2326/14 2326/20	luciferase system Electrochemical detection via electrodes in contact with culture medium Chromogens for determinations of oxidoreductase enzymes Benzidines 3,3',5,5'-Tetramethylbenzidine, i.e. TMB Ortho-Tolidine, i.e. 3,3'-dimethyl-(1,1'-biphenyl-4,4'-diamine) Ortho-Phenylenediamine 2,2'-Azinobis (3-ethylbenzothiazoline-6-sulfonic acid), i.e. ABTS 3-Methyl-2-benzothiazolinone hydrazone	2521/107 2521/113 2521/119 2521/125 2521/311 2521/301 2521/307 2521/313 2521/319 2521/325 2521/327	 RNA dependent DNA polymerase, (i.e. reverse transcriptase) Telomerase RNA polymerase Methyl transferase, i.e. methylase Terminal transferase Phosphoric diester hydrolysing, i.e. nuclease Endonuclease Single strand endonuclease Type II endonucleases, i.e. cutting outside recognition site Exonuclease Single stranded exonuclease RNAse, e.g. RNAseH
2326/00 2326/10 2326/12 2326/14 2326/20 2326/30	luciferase system Electrochemical detection via electrodes in contact with culture medium Chromogens for determinations of oxidoreductase enzymes Benzidines 3,3',5,5'-Tetramethylbenzidine, i.e. TMB Ortho-Tolidine, i.e. 3,3'-dimethyl-(1,1'-biphenyl-4,4'-diamine) Ortho-Phenylenediamine 2,2'-Azinobis (3-ethylbenzothiazoline-6-sulfonic acid), i.e. ABTS 3-Methyl-2-benzothiazolinone hydrazone hydrochloride hydrate, i.e. MBTH	2521/107 2521/113 2521/119 2521/125 2521/131 2521/301 2521/307 2521/313 2521/319 2521/325 2521/327 2521/331	 RNA dependent DNA polymerase, (i.e. reverse transcriptase) Telomerase RNA polymerase Methyl transferase, i.e. methylase Terminal transferase Phosphoric diester hydrolysing, i.e. nuclease Endonuclease Single strand endonuclease Type II endonucleases, i.e. cutting outside recognition site Exonuclease Single stranded exonuclease RNAse, e.g. RNAseH Methylation site specific nuclease
2326/00 2326/10 2326/12 2326/14 2326/20 2326/30 2326/32	luciferase system Electrochemical detection via electrodes in contact with culture medium Chromogens for determinations of oxidoreductase enzymes Benzidines 3,3',5,5'-Tetramethylbenzidine, i.e. TMB Ortho-Tolidine, i.e. 3,3'-dimethyl-(1,1'-biphenyl-4,4'-diamine) Ortho-Phenylenediamine 2,2'-Azinobis (3-ethylbenzothiazoline-6-sulfonic acid), i.e. ABTS 3-Methyl-2-benzothiazolinone hydrazone	2521/107 2521/113 2521/119 2521/125 2521/131 2521/301 2521/307 2521/313 2521/319 2521/325 2521/327 2521/331 2521/331	 RNA dependent DNA polymerase, (i.e. reverse transcriptase) Telomerase RNA polymerase Methyl transferase, i.e. methylase Terminal transferase Phosphoric diester hydrolysing, i.e. nuclease Endonuclease Single strand endonuclease Type II endonucleases, i.e. cutting outside recognition site Exonuclease Single stranded exonuclease RNAse, e.g. RNAseH Methylation site specific nuclease Ribozyme
2326/00 2326/10 2326/12 2326/14 2326/20 2326/30 2326/32	luciferase system Electrochemical detection via electrodes in contact with culture medium Chromogens for determinations of oxidoreductase enzymes Benzidines 3,3',5,5'-Tetramethylbenzidine, i.e. TMB Ortho-Tolidine, i.e. 3,3'-dimethyl-(1,1'-biphenyl-4,4'-diamine) Ortho-Phenylenediamine 2,2'-Azinobis (3-ethylbenzothiazoline-6-sulfonic acid), i.e. ABTS 3-Methyl-2-benzothiazolinone hydrazone hydrochloride hydrate, i.e. MBTH Triphenylmethane dye chromogens, e.g. fluorescein	2521/107 2521/113 2521/119 2521/125 2521/131 2521/301 2521/307 2521/313 2521/319 2521/325 2521/327 2521/331 2521/337 2521/343	 RNA dependent DNA polymerase, (i.e. reverse transcriptase) Telomerase RNA polymerase Methyl transferase, i.e. methylase Terminal transferase Phosphoric diester hydrolysing, i.e. nuclease Endonuclease Single strand endonuclease Type II endonucleases, i.e. cutting outside recognition site Exonuclease Single stranded exonuclease RNAse, e.g. RNAseH Methylation site specific nuclease Ribozyme Abzyme
2326/00 2326/10 2326/12 2326/14 2326/20 2326/30 2326/32 2326/40	luciferase system Electrochemical detection via electrodes in contact with culture medium Chromogens for determinations of oxidoreductase enzymes Benzidines 3,3',5,5'-Tetramethylbenzidine, i.e. TMB Ortho-Tolidine, i.e. 3,3'-dimethyl-(1,1'-biphenyl-4,4'-diamine) Ortho-Phenylenediamine 2,2'-Azinobis (3-ethylbenzothiazoline-6-sulfonic acid), i.e. ABTS 3-Methyl-2-benzothiazolinone hydrazone hydrochloride hydrate, i.e. MBTH Triphenylmethane dye chromogens, e.g. fluorescein derivatives	2521/107 2521/113 2521/119 2521/125 2521/30 2521/301 2521/307 2521/313 2521/319 2521/325 2521/327 2521/331 2521/331 2521/343 2521/345	 RNA dependent DNA polymerase, (i.e. reverse transcriptase) Telomerase RNA polymerase Methyl transferase, i.e. methylase Terminal transferase Phosphoric diester hydrolysing, i.e. nuclease Endonuclease Single strand endonuclease Type II endonucleases, i.e. cutting outside recognition site Exonuclease Single stranded exonuclease RNAse, e.g. RNAseH Methylation site specific nuclease Ribozyme Abzyme DNAzyme
2326/00 2326/10 2326/12 2326/14 2326/20 2326/30 2326/32 2326/40 2326/50	luciferase system Electrochemical detection via electrodes in contact with culture medium Chromogens for determinations of oxidoreductase enzymes Benzidines 3,3',5,5'-Tetramethylbenzidine, i.e. TMB Ortho-Tolidine, i.e. 3,3'-dimethyl-(1,1'-biphenyl-4,4'-diamine) Ortho-Phenylenediamine 2,2'-Azinobis (3-ethylbenzothiazoline-6-sulfonic acid), i.e. ABTS 3-Methyl-2-benzothiazolinone hydrazone hydrochloride hydrate, i.e. MBTH Triphenylmethane dye chromogens, e.g. fluorescein derivatives Phenols; Naphthols; Catechols	2521/107 2521/113 2521/119 2521/125 2521/131 2521/30 2521/307 2521/313 2521/319 2521/325 2521/327 2521/331 2521/331 2521/343 2521/345 2521/345	 RNA dependent DNA polymerase, (i.e. reverse transcriptase) Telomerase RNA polymerase Methyl transferase, i.e. methylase Terminal transferase Phosphoric diester hydrolysing, i.e. nuclease Endonuclease Single strand endonuclease Type II endonucleases, i.e. cutting outside recognition site Exonuclease Single stranded exonuclease RNAse, e.g. RNAseH Methylation site specific nuclease Ribozyme Abzyme Other enzymatic activities
2304/80 2326/00 2326/10 2326/12 2326/14 2326/20 2326/30 2326/32 2326/40 2326/50 2326/90	luciferase system Electrochemical detection via electrodes in contact with culture medium Chromogens for determinations of oxidoreductase enzymes Benzidines 3,3',5,5'-Tetramethylbenzidine, i.e. TMB Ortho-Tolidine, i.e. 3,3'-dimethyl-(1,1'-biphenyl-4,4'-diamine) Ortho-Phenylenediamine 2,2'-Azinobis (3-ethylbenzothiazoline-6-sulfonic acid), i.e. ABTS 3-Methyl-2-benzothiazolinone hydrazone hydrochloride hydrate, i.e. MBTH Triphenylmethane dye chromogens, e.g. fluorescein derivatives Phenols; Naphthols; Catechols Developer	2521/107 2521/113 2521/119 2521/125 2521/30 2521/301 2521/307 2521/313 2521/319 2521/325 2521/327 2521/331 2521/337 2521/343 2521/345 2521/50 2521/501	 RNA dependent DNA polymerase, (i.e. reverse transcriptase) Telomerase RNA polymerase Methyl transferase, i.e. methylase Terminal transferase Phosphoric diester hydrolysing, i.e. nuclease Endonuclease Single strand endonuclease Type II endonucleases, i.e. cutting outside recognition site Exonuclease Single stranded exonuclease RNAse, e.g. RNAseH Methylation site specific nuclease Ribozyme Abzyme Other enzymatic activities Ligase
2326/00 2326/10 2326/12 2326/14 2326/20 2326/30 2326/32 2326/40 2326/50 2326/90 2326/92 2326/96	luciferase system Electrochemical detection via electrodes in contact with culture medium Chromogens for determinations of oxidoreductase enzymes Benzidines 3,3',5,5'-Tetramethylbenzidine, i.e. TMB Ortho-Tolidine, i.e. 3,3'-dimethyl-(1,1'-biphenyl-4,4'-diamine) Ortho-Phenylenediamine 2,2'-Azinobis (3-ethylbenzothiazoline-6-sulfonic acid), i.e. ABTS 3-Methyl-2-benzothiazolinone hydrazone hydrochloride hydrate, i.e. MBTH Triphenylmethane dye chromogens, e.g. fluorescein derivatives Phenols; Naphthols; Catechols Developer Nitro blue tetrazolium chloride, i.e. NBT 4-Amino-antipyrine	2521/107 2521/113 2521/119 2521/125 2521/30 2521/301 2521/307 2521/313 2521/325 2521/327 2521/331 2521/337 2521/343 2521/345 2521/50 2521/501 2521/507	 RNA dependent DNA polymerase, (i.e. reverse transcriptase) Telomerase RNA polymerase Methyl transferase, i.e. methylase Terminal transferase Phosphoric diester hydrolysing, i.e. nuclease Endonuclease Single strand endonuclease Type II endonucleases, i.e. cutting outside recognition site Exonuclease Single stranded exonuclease RNAse, e.g. RNAseH Methylation site specific nuclease Ribozyme Abzyme Other enzymatic activities Ligase Recombinase
2304/80 2326/00 2326/10 2326/12 2326/14 2326/20 2326/30 2326/32 2326/40 2326/50 2326/90 2326/92	luciferase system Electrochemical detection via electrodes in contact with culture medium Chromogens for determinations of oxidoreductase enzymes Benzidines '3,3',5,5'-Tetramethylbenzidine, i.e. TMB Ortho-Tolidine, i.e. 3,3'-dimethyl-(1,1'-biphenyl-4,4'-diamine) Ortho-Phenylenediamine 2,2'-Azinobis (3-ethylbenzothiazoline-6-sulfonic acid), i.e. ABTS 3-Methyl-2-benzothiazolinone hydrazone hydrochloride hydrate, i.e. MBTH Triphenylmethane dye chromogens, e.g. fluorescein derivatives Phenols; Naphthols; Catechols Developer Nitro blue tetrazolium chloride, i.e. NBT 4-Amino-antipyrine O-linked chromogens for determinations of	2521/107 2521/113 2521/119 2521/125 2521/30 2521/301 2521/307 2521/313 2521/325 2521/327 2521/337 2521/337 2521/343 2521/345 2521/500 2521/507 2521/513	 RNA dependent DNA polymerase, (i.e. reverse transcriptase) Telomerase RNA polymerase Methyl transferase, i.e. methylase Terminal transferase Phosphoric diester hydrolysing, i.e. nuclease Endonuclease Single strand endonuclease Type II endonucleases, i.e. cutting outside recognition site Exonuclease Single stranded exonuclease RNAse, e.g. RNAseH Methylation site specific nuclease Ribozyme Abzyme DNAzyme Other enzymatic activities Ligase Recombinase Winding/unwinding enzyme, e.g. helicase
2326/00 2326/10 2326/12 2326/14 2326/20 2326/30 2326/32 2326/40 2326/50 2326/90 2326/92 2326/96	luciferase system Electrochemical detection via electrodes in contact with culture medium Chromogens for determinations of oxidoreductase enzymes Benzidines 3,3',5,5'-Tetramethylbenzidine, i.e. TMB Ortho-Tolidine, i.e. 3,3'-dimethyl-(1,1'-biphenyl-4,4'-diamine) Ortho-Phenylenediamine 2,2'-Azinobis (3-ethylbenzothiazoline-6-sulfonic acid), i.e. ABTS 3-Methyl-2-benzothiazolinone hydrazone hydrochloride hydrate, i.e. MBTH Triphenylmethane dye chromogens, e.g. fluorescein derivatives Phenols; Naphthols; Catechols Developer Nitro blue tetrazolium chloride, i.e. NBT 4-Amino-antipyrine O-linked chromogens for determinations of hydrolase enzymes, e.g. glycosidases, phosphatases,	2521/107 2521/113 2521/119 2521/125 2521/131 2521/301 2521/307 2521/313 2521/319 2521/325 2521/327 2521/331 2521/337 2521/343 2521/345 2521/50 2521/501 2521/507 2521/513 2521/514	 RNA dependent DNA polymerase, (i.e. reverse transcriptase) Telomerase RNA polymerase Methyl transferase, i.e. methylase Terminal transferase Phosphoric diester hydrolysing, i.e. nuclease Endonuclease Single strand endonuclease Type II endonucleases, i.e. cutting outside recognition site Exonuclease Single stranded exonuclease RNAse, e.g. RNAseH Methylation site specific nuclease Ribozyme Abzyme DNAzyme Other enzymatic activities Ligase Recombinase Mismatch repair protein
2304/80 2326/00 2326/10 2326/12 2326/14 2326/20 2326/30 2326/32 2326/40 2326/50 2326/90 2326/92 2326/96 2334/00	luciferase system Electrochemical detection via electrodes in contact with culture medium Chromogens for determinations of oxidoreductase enzymes Benzidines 3,3',5,5'-Tetramethylbenzidine, i.e. TMB Ortho-Tolidine, i.e. 3,3'-dimethyl-(1,1'-biphenyl-4,4'-diamine) Ortho-Phenylenediamine 2,2'-Azinobis (3-ethylbenzothiazoline-6-sulfonic acid), i.e. ABTS 3-Methyl-2-benzothiazolinone hydrazone hydrochloride hydrate, i.e. MBTH Triphenylmethane dye chromogens, e.g. fluorescein derivatives Phenols; Naphthols; Catechols Developer Nitro blue tetrazolium chloride, i.e. NBT 4-Amino-antipyrine O-linked chromogens for determinations of hydrolase enzymes, e.g. glycosidases, phosphatases, esterases	2521/107 2521/113 2521/119 2521/125 2521/131 2521/30 2521/307 2521/313 2521/313 2521/325 2521/327 2521/331 2521/337 2521/343 2521/345 2521/345 2521/50 2521/501 2521/507 2521/514 2521/519	 RNA dependent DNA polymerase, (i.e. reverse transcriptase) Telomerase RNA polymerase Methyl transferase, i.e. methylase Terminal transferase Phosphoric diester hydrolysing, i.e. nuclease Endonuclease Single strand endonuclease Type II endonucleases, i.e. cutting outside recognition site Exonuclease Single stranded exonuclease RNAse, e.g. RNAseH Methylation site specific nuclease Ribozyme Abzyme DNAzyme Other enzymatic activities Ligase Recombinase Mismatch repair protein Topoisomerase
2304/80 2326/00 2326/10 2326/12 2326/14 2326/20 2326/30 2326/32 2326/40 2326/50 2326/90 2326/90 2326/96 2334/00	luciferase system Electrochemical detection via electrodes in contact with culture medium Chromogens for determinations of oxidoreductase enzymes Benzidines 3,3',5,5'-Tetramethylbenzidine, i.e. TMB Ortho-Tolidine, i.e. 3,3'-dimethyl-(1,1'-biphenyl-4,4'-diamine) Ortho-Phenylenediamine 2,2'-Azinobis (3-ethylbenzothiazoline-6-sulfonic acid), i.e. ABTS 3-Methyl-2-benzothiazolinone hydrazone hydrochloride hydrate, i.e. MBTH Triphenylmethane dye chromogens, e.g. fluorescein derivatives Phenols; Naphthols; Catechols Developer Nitro blue tetrazolium chloride, i.e. NBT 4-Amino-antipyrine O-linked chromogens for determinations of hydrolase enzymes, e.g. glycosidases, phosphatases, esterases p-Nitrophenol derivatives	2521/107 2521/113 2521/119 2521/125 2521/131 2521/30 2521/301 2521/313 2521/313 2521/319 2521/325 2521/327 2521/331 2521/343 2521/345 2521/345 2521/50 2521/501 2521/507 2521/513 2521/519 2521/515	 RNA dependent DNA polymerase, (i.e. reverse transcriptase) Telomerase RNA polymerase Methyl transferase, i.e. methylase Terminal transferase Phosphoric diester hydrolysing, i.e. nuclease Endonuclease Single strand endonuclease Type II endonucleases, i.e. cutting outside recognition site Exonuclease Single stranded exonuclease RNAse, e.g. RNAseH Methylation site specific nuclease Ribozyme Abzyme DNAzyme Other enzymatic activities Ligase Recombinase Mismatch repair protein Topoisomerase Phosphatase
2304/80 2326/00 2326/10 2326/12 2326/14 2326/20 2326/30 2326/32 2326/40 2326/50 2326/90 2326/90 2326/96 2334/00 2334/10 2334/20	luciferase system Electrochemical detection via electrodes in contact with culture medium Chromogens for determinations of oxidoreductase enzymes Benzidines 3,3',5,5'-Tetramethylbenzidine, i.e. TMB Ortho-Tolidine, i.e. 3,3'-dimethyl-(1,1'-biphenyl-4,4'-diamine) Ortho-Phenylenediamine 2,2'-Azinobis (3-ethylbenzothiazoline-6-sulfonic acid), i.e. ABTS 3-Methyl-2-benzothiazolinone hydrazone hydrochloride hydrate, i.e. MBTH Triphenylmethane dye chromogens, e.g. fluorescein derivatives Phenols; Naphthols; Catechols Developer Nitro blue tetrazolium chloride, i.e. NBT 4-Amino-antipyrine O-linked chromogens for determinations of hydrolase enzymes, e.g. glycosidases, phosphatases, esterases p-Nitrophenol derivatives Coumarin derivatives	2521/107 2521/113 2521/119 2521/125 2521/30 2521/301 2521/307 2521/313 2521/319 2521/325 2521/327 2521/331 2521/343 2521/345 2521/345 2521/501 2521/501 2521/514 2521/519 2521/519 2521/525 2521/531	 RNA dependent DNA polymerase, (i.e. reverse transcriptase) Telomerase RNA polymerase Methyl transferase, i.e. methylase Terminal transferase Phosphoric diester hydrolysing, i.e. nuclease Endonuclease Single strand endonuclease Type II endonucleases, i.e. cutting outside recognition site Exonuclease Single stranded exonuclease RNAse, e.g. RNAseH Methylation site specific nuclease Ribozyme Abzyme DNAzyme Other enzymatic activities Ligase Recombinase Mismatch repair protein Topoisomerase Phosphatase Glycosylase
2304/80 2326/00 2326/10 2326/12 2326/14 2326/20 2326/30 2326/32 2326/40 2326/50 2326/90 2326/90 2326/96 2334/00	luciferase system Electrochemical detection via electrodes in contact with culture medium Chromogens for determinations of oxidoreductase enzymes Benzidines 3,3',5,5'-Tetramethylbenzidine, i.e. TMB Ortho-Tolidine, i.e. 3,3'-dimethyl-(1,1'-biphenyl-4,4'-diamine) Ortho-Phenylenediamine 2,2'-Azinobis (3-ethylbenzothiazoline-6-sulfonic acid), i.e. ABTS 3-Methyl-2-benzothiazolinone hydrazone hydrochloride hydrate, i.e. MBTH Triphenylmethane dye chromogens, e.g. fluorescein derivatives Phenols; Naphthols; Catechols Developer Nitro blue tetrazolium chloride, i.e. NBT 4-Amino-antipyrine O-linked chromogens for determinations of hydrolase enzymes, e.g. glycosidases, phosphatases, esterases p-Nitrophenol derivatives Coumarin derivatives 4-Methylumbelliferyl, i.e. beta-	2521/107 2521/113 2521/119 2521/125 2521/131 2521/30 2521/301 2521/307 2521/313 2521/319 2521/325 2521/327 2521/331 2521/345 2521/345 2521/50 2521/501 2521/507 2521/513 2521/514 2521/519 2521/525 2521/531 2521/537	 RNA dependent DNA polymerase, (i.e. reverse transcriptase) Telomerase RNA polymerase Methyl transferase, i.e. methylase Terminal transferase Phosphoric diester hydrolysing, i.e. nuclease Endonuclease Single strand endonuclease Type II endonucleases, i.e. cutting outside recognition site Exonuclease Single stranded exonuclease RNAse, e.g. RNAseH Methylation site specific nuclease Ribozyme Abzyme DNAzyme Other enzymatic activities Ligase Recombinase Mismatch repair protein Topoisomerase Phosphatase Glycosylase Protease
2304/80 2326/00 2326/10 2326/12 2326/14 2326/20 2326/30 2326/32 2326/40 2326/50 2326/90 2326/90 2326/96 2334/00 2334/10 2334/20	luciferase system Electrochemical detection via electrodes in contact with culture medium Chromogens for determinations of oxidoreductase enzymes Benzidines 3,3',5,5'-Tetramethylbenzidine, i.e. TMB Ortho-Tolidine, i.e. 3,3'-dimethyl-(1,1'-biphenyl-4,4'-diamine) Ortho-Phenylenediamine 2,2'-Azinobis (3-ethylbenzothiazoline-6-sulfonic acid), i.e. ABTS 3-Methyl-2-benzothiazolinone hydrazone hydrochloride hydrate, i.e. MBTH Triphenylmethane dye chromogens, e.g. fluorescein derivatives Phenols; Naphthols; Catechols Developer Nitro blue tetrazolium chloride, i.e. NBT 4-Amino-antipyrine O-linked chromogens for determinations of hydrolase enzymes, e.g. glycosidases, phosphatases, esterases p-Nitrophenol derivatives Coumarin derivatives	2521/107 2521/113 2521/119 2521/125 2521/30 2521/301 2521/307 2521/313 2521/319 2521/325 2521/327 2521/331 2521/343 2521/345 2521/345 2521/501 2521/501 2521/514 2521/519 2521/519 2521/525 2521/531	 RNA dependent DNA polymerase, (i.e. reverse transcriptase) Telomerase RNA polymerase Methyl transferase, i.e. methylase Terminal transferase Phosphoric diester hydrolysing, i.e. nuclease Endonuclease Single strand endonuclease Type II endonucleases, i.e. cutting outside recognition site Exonuclease Single stranded exonuclease RNAse, e.g. RNAseH Methylation site specific nuclease Ribozyme Abzyme DNAzyme Other enzymatic activities Ligase Recombinase Mismatch repair protein Topoisomerase Phosphatase Glycosylase

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2522/00	Reaction characterised by the use of non- enzymatic proteins	2525/203	incorporating a composite nucleic acid containing a polypeptide sequence other than PNA
2522/10	Nucleic acid binding proteins	2525/204	specific length of the oligonucleotides
2522/101	Single or double stranded nucleic acid binding	2525/205	. Aptamer
	proteins	2525/207	siRNA, miRNA
2523/00	Reactions characterised by treatment of reaction	2525/30	Oligonucleotides characterised by their secondary structure
2522/10	samples	2525/301	Hairpin oligonucleotides
2523/10	Characterised by chemical treatment	2525/307	Circular oligonucleotides
2523/101	. Crosslinking agents, e.g. psoralen	2525/313	Branched oligonucleotides
2523/107	. Chemical cleaving agents		
2523/109	chemical ligation between nucleic acids	2527/00	Reactions demanding special reaction conditions
2523/113	Denaturating agents	2527/101	. Temperature
2523/115	oxidising agents	2527/107	• Temperature of melting, i.e. Tm
2523/119	Renaturing agents	2527/109	. Pressure
2523/125	Bisulfite(s)	2527/113	. Time
2523/30	Characterised by physical treatment	2527/119	. pH
2523/301	Sonication	2527/125	Specific component of sample, medium or buffer
2523/303	Applying a physical force on a nucleic acid	2527/127	the enzyme inhibitor or activator used
2523/305	Denaturation or renaturation by physical action	2527/137	Concentration of a component of medium
2523/307	Denaturation or renaturation by electric current/	2527/143	Concentration of primer or probe
222420	voltage	2527/146	Concentration of target or template
2523/308	. Adsorption or desorption	2527/149	Concentration of an enzyme
2523/31	Electrostatic interactions, e.g. use of cationic	2527/15	. Gradients
0500/010	polymers in hybridisation reactions	2527/153	• Viscosity
2523/313	Irradiation, e.g. UV irradiation	2527/156	. Permeability
2523/319	• Photocleavage, photolysis, photoactivation	2531/00	Reactions of nucleic acids characterised by
2523/32	Centrifugation	2531/00	• the purpose being amplify/increase the copy number
2525/00	Reactions involving modified oligonucleotides,	2331/10	of target nucleic acid
	nucleic acids, or nucleotides	2531/101	Linear amplification, i.e. non exponential
2525/10	Modifications characterised by	2531/107	Probe or oligonucleotide ligation
2525/101	incorporating non-naturally occurring	2531/113	PCR
	nucleotides, e.g. inosine	2531/119	Strand displacement amplification [SDA]
2525/107	incorporating a peptide nucleic acid	2531/125	Rolling circle
2525/113	incorporating modified backbone	2531/131	. Inverse PCR
2525/117	incorporating modified base	2531/137	Ligase Chain Reaction [LCR]
2525/119	incorporating abasic sites	2531/143	• Promoter based amplification, e.g. NASBA, 3SR,
2525/121	incorporating both deoxyribonucleotides and ribonucleotides		TAS
2525/125	incorporating agents resulting in resistance to	2531/149	Replicase based amplification, e.g. Q beta replicase
	degradation		
2525/131	incorporating a restriction site	2533/00	Reactions characterised by the enzymatic reaction
2525/137	• • incorporating/modifying moieties to eliminate	2522/10	principle used
2525/143	restriction sites incorporating a promoter sequence	2533/10	• the purpose being to increase the length of an oligonucleotide strand
2525/149	incorporating a coding sequence	2533/101	Primer extension
2525/15	incorporating a consensus or conserved sequence	2533/107	Probe or oligonucleotide ligation
2525/151	repeat or repeated sequences, e.g. VNTR, microsatellite, concatemer	2535/00	Reactions characterised by the assay type for
2525/155	incorporating/generating a new priming site		determining the identity of a nucleotide base or a
2525/161	incorporating target specific and non-target	2525/101	sequence of oligonucleotides
	specific sites	2535/101	Sanger sequencing method, i.e. oligonucleotide sequencing using primer elongation and
2525/173	• incorporating a polynucleotide run, e.g. polyAs, polyTs	2535/107	dideoxynucleotides as chain terminators Maxam and Gilbert method, i.e. sequential release
2525/179	incorporating arbitrary or random nucleotide		and detection of nucleotides
	sequences	2535/113	Cycle sequencing
2525/185	incorporating bases where the precise position of	2535/119	Double strand sequencing
	the bases in the nucleic acid string is important	2535/122	Massive parallel sequencing
2525/186	incorporating a non-extendable or blocking	2535/125	Allele specific primer extension
0505/101	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]

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2537/101 . Homodepeous assay format, e.g. one pot reaction 2537/102 . Homodepeous formation 2537/113 . Heteroduplex formation 2537/113 . Heteroduplex formation 2537/113 . Triple helix formation 2537/113 . Triple helix formation 2537/113 . Sandwich assay format 2537/113 . Displacement step 2537/123 . Sundwich assay format 2537/123 . Displacement by a nucleic acid 2537/124 . Sequential reactions 2537/125 . Displacement by a nucleic acid 2537/125 . Sequential reactions 2537/125 . Cyclic reactions 2537/125 . Cyclic reactions 2537/125 . Cyclic reactions 2537/126 . Reduction of complexity, e.g. amplification of subsets, removing duplicated genomic regions 2537/126 . A competitive reaction step 2537/126 . Helper probe 2537/127 . Helper probe 2537/128 . Methylation detection other then bisulfite or methylation sensitive restriction endonucleases expression or genome comparison 2539/101 . Subtraction analysis of gene expression or genome comparison 2539/102 . Involving introns, exons, or splice junctions 2539/103 . Involving introns, exons, or splice junctions 2539/103 . Involving introns, exons, or splice junctions 2539/104 . Reactions characterised by the reaction step 2539/105 . Differential Display Analysis of gene expression or genome comparison 2539/107 . Representational Difference Analysis (IDA) 2539/108 . Differential Display handysis of gene expression for genome comparison 2539/109 . Involving introns, exons, or splice junctions 2539/100 . Involving introns, exons, or splice junctions 2539/101 . Sectal analysis of gene expression or genome comparison 2539/103 . Involving introns, exons, or splice junctions 2539/103 . Involving introns exons, or splice junctions 2539/105 . Differential Display handysis (IDA) 2539/107 . Representational Difference Analysis (IDA) 2539/108 . Differential Display handysis of gene expression or genome comparison 2539	2535/139	Random amplification polymorphism detection [RAPD]	2547/101 2547/107	by confinement to a single tube/containerUse of permeable barriers, e.g. waxes
use of a specific feature 2537/101 . Homogeneous assay format, e.g. one pot reaction 2537/101 . Homogeneous assay format, e.g. one pot reaction 2537/101 . Homoduples formation 2537/102 . Heteroduples formation 2537/103 . Heteroduples formation 2539/103 . Using nested probes 2539/103 . Using stellising/blocking agents, (2539/103 . Using stellising/blocking agents, (2539/103 . Using stellising/blocking agents, (2537/104 . Displacement by a nucleic acid 2537/105 . Displacement by a nucleic acid 2537/107 . A nucleic acid detection 2537/105 . Sequential reactions 2537/105 . A reaction step characterised by the number of molecules incorporated or released 2537/105 . A reaction step characterised by the number of molecules incorporated or released 2537/105 . A competitive reaction step 2537/106 . A competitive reaction step 2537/107 . A competitive reaction step 2537/107 . A competitive reaction step 2537/108 . Methylation detection other then bisulfite or methylation sensitive restriction endonucleases 2537/108 . Methylation detection other then bisulfite or methylation sensitive restriction endonucleases 2537/108 . Methylation detection other then bisulfite or methylation sensitive restriction endonucleases 2537/108 . Molecking probe 2537/109 . The purpose being sequence identification by analysis of gene expression or genome comparison characterised by analysis of gene expression or genome comparison characterised by the sequence identification by analysis of gene expression or genome comparison characterised by the sequence identification by analysis of gene expression or genome comparison characterised by the sequence identification by analysis of gene expression or genom	2537/00	Reactions characterized by the reaction format or	25/10/00	Departions share starting d by the feetures used to
2537/10 . the purpose or use of 2537/10 . the purpose being that of reducing in false negative signals for 2537/107 . Homodenous usary format, e.g. one pot reaction 2537/107 . Homodenous usary formation 2537/107 . Homodenous usary formation 2537/107 . Triple helix formation 2537/107 . Triple helix formation 2537/107 . Triple helix formation 2537/107 . Sandwich assay format 2539/107 . Cold start 2539/107 . Soldwich assay format 2539/107 . Using nested probes 2539/107 . Displacement by a meleic acid 2549/107 . Using nested probes 2537/107 . Displacement by an enzyme 2537/107 . Multiplexing, i.e. use of multiple primers or probes in a single reaction usually for simultaneously analyse of multiple primers 2537/104 . Multiplexing, i.e. use of multiple primers 2537/104 . Sequential reactions 2537/105 . Cyclic reactions 2537/105 . A casetion step characterised by the number of molecules incorporated or released 2537/105 . A competitive reaction accorporated or released 2537/107 . A competitive reaction step characterised growth reaction of complexity, e.g. amplification of subsets, removing duplicated genomic regions 2537/105 . A competitive reaction nature 2501/127 . Helper probe in of special importance 2501/127 . Helper probe in organization 2501/127 . Helper probe methylation sensitive restriction endomucleases 2537/105 . Methylation sensitive restriction endomucleases 2537/105 . Methylation sensitive restriction endomucleases 2537/105 . Nucleic acid distriction by analysis of gene expression or genome comparison characterised by analysis of gene expression or genome comparison 2537/105 . Nucleic acid distriction by analysis of gene expression or genome comparison 2537/105 . Nucleic acid distriction and 2537/105 . Nucleic acid distriction by analysis of gene expression of genome comparison 2537/105 . Nucleic acid distriction and 2537/105 . Nucleic acid distriction by analysis of gene expression of genome comparison 2537/107 . Nucleic acid distriction by analysis of gene expression of genome comparison 2537/107 . N	2557700		2349/00	
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2537/163 - Heteroduplex formation	2537/101	Homogeneous assay format, e.g. one pot reaction		
2537/19 . Triple helix formation 2537/125 . Sandwich assay format 2537/137 . a displacement spe 2537/137 a displacement spe 2537/137 bisplacement by an enzyme 2537/137 bisplacement by an enzyme 2537/138 . Displacement by an enzyme 2537/139 . Displacement by an enzyme 2537/130 . Multiplexing, i.e. use of multiple primers or probes in a single reaction usually for simultaneously analyse of multiple analysis 2537/135 . Cyclic reactions 2537/135 . Cyclic reactions 2537/137 . A reaction step characterised by the number of molecules incorporated or released 2537/139 . Reduction of complexity, e.g. amplification of subsets, removing duplicated genomic regions 2537/149 . A competitive reaction step 2537/140 . Assays for determining copy number or wherein the copy number is of special importance 2537/161 . A competitive reaction step 2537/162 . Helper probe 2537/163 . blocking probe 2537/164 . A competitive reaction step 2537/165 . Mathematical modelling, e.g. logarithm, ratio 2537/165 . Mathematical modelling, e.g. logarithm, ratio 2539/100 . The purpose being sequence identification by analysis of gene expression or genome comparison 2539/101 . Subtraction analysis 2539/103 . Serial analysis of gene expression or genome comparison 2539/101 . Subtraction analysis 2539/103 . Comparative genomic hybridisation [CGH] 2541/10 . Heaving the selection of design of target specific nucleic acid binding sequences 2543/101 . in initial amplification 2543/101 . in initial amplification to the purpose being quantitative anature 2545/101 . with an internal standard/control, i.e. control reaction she paraded from the test/arget reaction 2545/101 . with an internal standard/control, i.e. control reaction she paraded from the test/arget reaction 2545/101 . with an internal standard/control, i.e. control reaction she paraded from the test/arget reaction 2545/101 . with an internal standard/control, i.e. control reaction is separated from the test/arget reaction 2545/101 . with an internal standard/control, i.e. control react	2537/107	Homoduplex formation	2549/101	Hot start
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. the purpose being preventing contamination	2547/00	Reactions characterised by the features used to prevent contamination		. Interaction between at least two labels

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2565/102	Multiple non-interacting labels
2565/1025	labels being on the same oligonucleotide
2565/107	Alteration in the property of hybridised versus
	free label oligonucleotides
2565/113	based on agglutination/precipitation
2565/119	based on extraction of label to an organic phase,
	i.e. partitioning of label between different organic
	phases
2565/125	Electrophoretic separation
2565/131	Single/double strand conformational analysis, i.e.
	SSCP/DSCP
2565/133	conformational analysis
2565/137	Chromatographic separation
2565/20	Detection means characterised by being a gene
	reporter based analysis
2565/201	Two hybrid system
2565/207	Three hybrid system
2565/30	Detection characterised by liberation or release of
	label
2565/301	. Pyrophosphate (PPi)
2565/40	 Detection characterised by signal amplification of
2000/10	label
2565/401	Signal amplification by chemical polymerisation
2565/50	Detection characterised by immobilisation to a
2000,00	surface
2565/501	being an array of oligonucleotides
2565/507	characterised by the density of the capture
	oligonucleotide
2565/513	characterised by the pattern of the arrayed
	oligonucleotides
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
05/5/50=	characterised by the capture moiety being a protein for target oligonucleotides
2565/537	characterised by the capture moiety being a protein for target oligonucleotidescharacterised by the capture oligonucleotide
	 characterised by the capture moiety being a protein for target oligonucleotides characterised by the capture oligonucleotide acting as a primer
2565/537 2565/543	 characterised by the capture moiety being a protein for target oligonucleotides characterised by the capture oligonucleotide acting as a primer characterised by the use of two or more capture
	 characterised by the capture moiety being a protein for target oligonucleotides characterised by the capture oligonucleotide acting as a primer characterised by the use of two or more capture oligonucleotide primers in concert, e.g. bridge
2565/543	 characterised by the capture moiety being a protein for target oligonucleotides characterised by the capture oligonucleotide acting as a primer characterised by the use of two or more capture oligonucleotide primers in concert, e.g. bridge amplification
	 characterised by the capture moiety being a protein for target oligonucleotides characterised by the capture oligonucleotide acting as a primer characterised by the use of two or more capture oligonucleotide primers in concert, e.g. bridge amplification characterised by the capture oligonucleotide being
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2565/543	 characterised by the capture moiety being a protein for target oligonucleotides characterised by the capture oligonucleotide acting as a primer characterised by the use of two or more capture oligonucleotide primers in concert, e.g. bridge amplification characterised by the capture oligonucleotide being a reporter labelled capture oligonucleotide Detection means characterised by use of a special
2565/549 2565/60	 characterised by the capture moiety being a protein for target oligonucleotides characterised by the capture oligonucleotide acting as a primer characterised by the use of two or more capture oligonucleotide primers in concert, e.g. bridge amplification characterised by the capture oligonucleotide being a reporter labelled capture oligonucleotide Detection means characterised by use of a special device
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2565/549 2565/60 2565/601	 characterised by the capture moiety being a protein for target oligonucleotides characterised by the capture oligonucleotide acting as a primer characterised by the use of two or more capture oligonucleotide primers in concert, e.g. bridge amplification characterised by the capture oligonucleotide being a reporter labelled capture oligonucleotide Detection means characterised by use of a special device being a microscope, e.g. atomic force microscopy [AFM]
2565/543 2565/549 2565/60 2565/601 2565/607	 characterised by the capture moiety being a protein for target oligonucleotides characterised by the capture oligonucleotide acting as a primer characterised by the use of two or more capture oligonucleotide primers in concert, e.g. bridge amplification characterised by the capture oligonucleotide being a reporter labelled capture oligonucleotide Detection means characterised by use of a special device being a microscope, e.g. atomic force microscopy [AFM] being a sensor, e.g. electrode
2565/549 2565/60 2565/601 2565/607 2565/619	 characterised by the capture moiety being a protein for target oligonucleotides characterised by the capture oligonucleotide acting as a primer characterised by the use of two or more capture oligonucleotide primers in concert, e.g. bridge amplification characterised by the capture oligonucleotide being a reporter labelled capture oligonucleotide Detection means characterised by use of a special device being a microscope, e.g. atomic force microscopy [AFM] being a sensor, e.g. electrode being a video camera
2565/543 2565/549 2565/60 2565/601 2565/607	 characterised by the capture moiety being a protein for target oligonucleotides characterised by the capture oligonucleotide acting as a primer characterised by the use of two or more capture oligonucleotide primers in concert, e.g. bridge amplification characterised by the capture oligonucleotide being a reporter labelled capture oligonucleotide Detection means characterised by use of a special device being a microscope, e.g. atomic force microscopy [AFM] being a sensor, e.g. electrode being a video camera being a nucleic acid test strip device, e.g.
2565/543 2565/549 2565/60 2565/607 2565/619 2565/625	 characterised by the capture moiety being a protein for target oligonucleotides characterised by the capture oligonucleotide acting as a primer characterised by the use of two or more capture oligonucleotide primers in concert, e.g. bridge amplification characterised by the capture oligonucleotide being a reporter labelled capture oligonucleotide Detection means characterised by use of a special device being a microscope, e.g. atomic force microscopy [AFM] being a sensor, e.g. electrode being a video camera being a nucleic acid test strip device, e.g. dipsticks, strips, tapes, CD plates
2565/543 2565/549 2565/60 2565/607 2565/619 2565/625 2565/626	 characterised by the capture moiety being a protein for target oligonucleotides characterised by the capture oligonucleotide acting as a primer characterised by the use of two or more capture oligonucleotide primers in concert, e.g. bridge amplification characterised by the capture oligonucleotide being a reporter labelled capture oligonucleotide Detection means characterised by use of a special device being a microscope, e.g. atomic force microscopy [AFM] being a sensor, e.g. electrode being a video camera being a nucleic acid test strip device, e.g. dipsticks, strips, tapes, CD plates being a flow cytometer
2565/549 2565/60 2565/601 2565/607 2565/619 2565/625 2565/626 2565/627	 characterised by the capture moiety being a protein for target oligonucleotides characterised by the capture oligonucleotide acting as a primer characterised by the use of two or more capture oligonucleotide primers in concert, e.g. bridge amplification characterised by the capture oligonucleotide being a reporter labelled capture oligonucleotide Detection means characterised by use of a special device being a microscope, e.g. atomic force microscopy [AFM] being a sensor, e.g. electrode being a video camera being a nucleic acid test strip device, e.g. dipsticks, strips, tapes, CD plates being a flow cytometer being a mass spectrometer
2565/543 2565/549 2565/60 2565/607 2565/619 2565/625 2565/626	 characterised by the capture moiety being a protein for target oligonucleotides characterised by the capture oligonucleotide acting as a primer characterised by the use of two or more capture oligonucleotide primers in concert, e.g. bridge amplification characterised by the capture oligonucleotide being a reporter labelled capture oligonucleotide Detection means characterised by use of a special device being a microscope, e.g. atomic force microscopy [AFM] being a sensor, e.g. electrode being a video camera being a nucleic acid test strip device, e.g. dipsticks, strips, tapes, CD plates being a flow cytometer

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
2000,100	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

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