

# Chelex 100 as a Medium for Simple Extraction of DNA from Material

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Differentiation of Pathogenic and Non-Pathogenic Serotype 1 Marek's Disease Viruses (MDVs) by the Polymerase Chain Reaction Amplification of the Tandem Direct Repeats within the MDV Genome. <i>Avian Diseases</i> , 1992, 36, 521.	0.4	53
2	A simple method for amplification of DNA from paraffin-embedded tissues. <i>Nucleic Acids Research</i> , 1992, 20, 5237-5238.	6.5	126
3	A rapid chemiluminescent method for quantitation of human DNA. <i>Nucleic Acids Research</i> , 1992, 20, 5061-5065.	6.5	173
4	A simple and rapid technique to process formalin-fixed, paraffin-embedded tissues for the detection of viruses by the polymerase chain reaction. <i>Virchows Archiv A, Pathological Anatomy and Histopathology</i> , 1992, 420, 269-273.	1.4	33
5	Frequency of HLA DQA1 alleles in an Italian population. <i>International Journal of Legal Medicine</i> , 1992, 105, 161-164.	1.2	12
6	Presymptomatic direct detection of adenomatous polyposis coli (APC) gene mutations in familial adenomatous polyposis. <i>Human Genetics</i> , 1993, 91, 307-11.	1.8	38
7	Improved separation of PCR amplified VNTR alleles by a vertical polyacrylamide gel electrophoresis. <i>International Journal of Legal Medicine</i> , 1993, 105, 355-359.	1.2	19
8	DNA typing of debris from fingernails. <i>International Journal of Legal Medicine</i> , 1993, 106, 81-83.	1.2	130
9	Sexing and detection of gene construct in microinjected bovine blastocysts using the polymerase chain reaction. <i>Transgenic Research</i> , 1993, 2, 134-140.	1.3	40
10	DNA extraction from Pleistocene bones by a silica-based purification method. <i>Nucleic Acids Research</i> , 1993, 21, 3913-3914.	6.5	443
11	Rapid diagnosis of infantile spinal muscular atrophy by direct amplification of amniocyte and CVS DNA. <i>Journal of Medical Genetics</i> , 1993, 30, 162-163.	1.5	2
12	Genetic Variation in the Parasitoid Wasp <i>Trichogramma</i> (Hymenoptera: Trichogrammatidae) Revealed by DNA Amplification of a Section of the Nuclear Ribosomal Repeat. <i>Florida Entomologist</i> , 1993, 76, 519.	0.2	23
13	The Use of the Polymerase Chain Reaction and the Detection of Amplified Products. , 1993, 15, 113-128.		0
14	Circulating <i>Borrelia burgdorferi</i> in Patients with Acute Lyme Disease: Results of Blood Cultures and Serum DNA Analysis. <i>Journal of Infectious Diseases</i> , 1993, 168, 1541-1543.	1.9	37
15	A new polymorphic methanogen, closely related to <i>Methanocorpusculum parvum</i> , living in stable symbiosis within the anaerobic ciliate <i>Trimyema</i> sp.. <i>Journal of General Microbiology</i> , 1993, 139, 371-378.	2.3	52
16	Rapid techniques for DNA extraction from routinely processed archival tissue for use in PCR. <i>Journal of Clinical Pathology</i> , 1994, 47, 318-323.	1.0	129
17	Population data and forensic efficiency values for the STR systems HumVWA, HumMBP and HumFABP. <i>International Journal of Legal Medicine</i> , 1994, 106, 183-189.	1.2	59
18	Ancient DNA: Methodological challenges. <i>Experientia</i> , 1994, 50, 524-529.	1.2	258

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19	Acceptability of carrier screening for cystic fibrosis during pregnancy in a German population. <i>Human Genetics</i> , 1994, 94, 19-24.	1.8	34
20	Identification of three novel mutations in the CFTR gene using temperature-optimized non-radioactive conditions for SSCP analysis. <i>Human Genetics</i> , 1994, 94, 154-8.	1.8	13
21	The validation of short tandem repeat (STR) loci for use in forensic casework. <i>International Journal of Legal Medicine</i> , 1994, 107, 77-89.	1.2	194
22	The detection of <i>Bordetella pertussis</i> in swab samples by polymerase chain reaction. <i>Serodiagnosis and Immunotherapy in Infectious Disease</i> , 1994, 6, 230-232.	0.2	5
23	Familial Affinity of <i>Tomopeas ravus</i> (Chiroptera) Based on Protein Electrophoretic and Cytochrome b Sequence Data. <i>Journal of Mammalogy</i> , 1994, 75, 365-377.	0.6	28
24	Systematics and Zoogeography of the Mer Rouge Pocket Gopher ( <i>Geomys breviceps breviceps</i> ) Based on Cytochrome-b Sequences. <i>Southwestern Naturalist</i> , 1994, 39, 276.	0.1	2
25	Ion-Exchange Chromatography (HPIC). , 0, , 25-208.		0
26	Amplification of DNA from whole blood.. <i>Genome Research</i> , 1994, 3, 239-243.	2.4	37
27	Nuclear and mitochondrial gene genealogies and allozyme polymorphism across a major phylogeographic break in the copepod <i>Tigriopus californicus</i> .. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994, 91, 5197-5201.	3.3	224
28	Isolation and Purification of Vertebrate DNAs. , 1996, 50, 25-38.		9
29	Extraction of high quality DNA from bloodstains using diatoms. <i>International Journal of Legal Medicine</i> , 1995, 108, 154-156.	1.2	11
30	Validation of the STR system FES/FPS for forensic purposes in an Austrian population sample. <i>International Journal of Legal Medicine</i> , 1995, 108, 162-164.	1.2	13
31	D1S80 (pMCT118): analysis of 3 ethnic subpopulations living in Brussels. <i>International Journal of Legal Medicine</i> , 1995, 108, 45-47.	1.2	7
32	Diagnosis of HIV infection from bloodstains by PCR. A further marker for identification. <i>International Journal of Legal Medicine</i> , 1995, 107, 296-300.	1.2	0
34	Identification of HLA-DRB1 * 114 by oligonucleotide typing and DNA sequencing. <i>Immunogenetics</i> , 1995, 42, 436-7.	1.2	5
35	The <i>Aspergillus</i> PacC zinc finger transcription factor mediates regulation of both acid- and alkaline-expressed genes by ambient pH.. <i>EMBO Journal</i> , 1995, 14, 779-790.	3.5	550
36	Enhanced direct amplification of Guthrie card DNA following selective elution of PCR inhibitors. <i>Nucleic Acids Research</i> , 1995, 23, 3788-3789.	6.5	31
37	Increasing the size of PCR products without redesigning primer binding sequences. <i>Nucleic Acids Research</i> , 1995, 23, 2337-2338.	6.5	0

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38	Detection of <i>Mycobacterium bovis</i> in tissues by polymerase chain reaction. <i>Veterinary Microbiology</i> , 1995, 43, 227-240.	0.8	84
39	A PCR-based test suitable for screening for fragile X syndrome among mentally retarded males. <i>Human Genetics</i> , 1996, 97, 808-812.	1.8	56
40	Gender Determination of the Linne's Two-Toed Sloth ( <i>Choloepus didactylus</i> ) Using SRY Amplified from Hair. <i>Journal of Veterinary Medical Science</i> , 1996, 58, 1157-1159.	0.3	14
41	Rapid and high sensitivity test for direct detection of bovine herpesvirus 1 genome in clinical samples. <i>Veterinary Microbiology</i> , 1996, 49, 81-92.	0.8	33
42	Evidence for an association between markers on chromosome 19q and non-syndromic cleft lip with or without cleft palate in two groups of multiplex families. <i>Human Genetics</i> , 1996, 99, 22-26.	1.8	51
43	Rapid identification of PKU-associated mutations by multiplex DGGE analysis of the PAH gene. <i>Journal of Inherited Metabolic Disease</i> , 1996, 19, 735-738.	1.7	6
44	Detection and identification of <i>Mycobacterium avium</i> in the blood of AIDS patients by the polymerase chain reaction. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 1996, 15, 551-555.	1.3	16
45	<i>Borrelia burgdorferi</i> DNA in the urine of treated patients with chronic lyme disease symptoms. A PCR study of 97 cases. <i>Infection</i> , 1996, 24, 347-353.	2.3	51
46	High-resolution vertical PAGE: An alternative electrophoretic system with multiple forensic applications. <i>International Journal of Legal Medicine</i> , 1996, 108, 276-279.	1.2	6
47	Study of hematopoietic chimerism following allogeneic peripheral blood stem cell transplantation using PCR amplification of short tandem repeats. <i>Annals of Hematology</i> , 1996, 72, 265-268.	0.8	16
48	The STR systems HumVWA and HumACTBP2 in a Hungarian population. <i>International Journal of Legal Medicine</i> , 1996, 108, 316-317.	1.2	5
49	PCR typing of DNA fragments of the two short tandem repeat (STR) systems upstream of the human myelin basic protein (MBP) gene in Danes and Greenland Eskimos. <i>Forensic Science International</i> , 1996, 78, 139-156.	1.3	3
50	Distribution of HLA DQ A1 alleles and genotypes in two Spanish populations (Aragon and Asturias). <i>Forensic Science International</i> , 1996, 81, 185-190.	1.3	5
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52	Wolbachia: intracellular manipulators of mite reproduction. <i>Experimental and Applied Acarology</i> , 1996, 20, 421-434.	0.7	161
53	GSTM1 and NAT2 genotypes and urinary mutagens in coke oven workers. <i>Carcinogenesis</i> , 1996, 17, 1677-1681.	1.3	38
54	PrP genotype contributes to determining survival times of sheep with natural scrapie. <i>Journal of General Virology</i> , 1996, 77, 2669-2673.	1.3	216
55	Persistent Epstein-Barr virus infection in the common marmoset ( <i>Callithrix jacchus</i> ). <i>Journal of General Virology</i> , 1996, 77, 1173-1180.	1.3	29

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57	Genetic Testing for Cancer in Children. <i>JAMA Pediatrics</i> , 1996, 150, 1131.	3.6	79
58	Notes: Microsatellite DNA Markers Reveal New Levels of Genetic Variation in Northern Pike. <i>Transactions of the American Fisheries Society</i> , 1996, 125, 971-977.	0.6	89
59	Molecular phylogeny of symbiotic dinoflagellates from planktonic foraminifera and radiolaria. <i>Molecular Biology and Evolution</i> , 1996, 13, 1192-1197.	3.5	104
60	Molecular population genetics of <i>ref(2)P</i> , a locus which confers viral resistance in <i>Drosophila</i> . <i>Molecular Biology and Evolution</i> , 1996, 13, 191-199.	3.5	77
61	<i>Chlamydia pneumoniae</i> in Children with Otitis Media. <i>Clinical Infectious Diseases</i> , 1997, 25, 1090-1093.	2.9	27
62	CFTR mutations and IVS8-5T variant in newborns with hypertrypsinaemia and normal sweat test.. <i>Journal of Medical Genetics</i> , 1997, 34, 297-301.	1.5	33
63	Origin of hepatocellular carcinoma recurring after allotransplantation revealed by microsatellite analysis.. <i>Journal of Clinical Pathology</i> , 1997, 50, 792-794.	1.0	4
64	Evaluation of Pertussis in U.S. Marine Corps Trainees. <i>Clinical Infectious Diseases</i> , 1997, 25, 1099-1107.	2.9	63
65	DNA Fingerprinting in a High School Research-Based Science Course. <i>American Biology Teacher</i> , 1997, 59, 48-51.	0.1	0
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67	Branchiopod Phylogenetic Reconstruction from 12s rDNA Sequence Data. <i>Journal of Crustacean Biology</i> , 1997, 17, 174.	0.3	34
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69	Risk of venous thrombosis in carriers of a common mutation in the homocysteine regulatory enzyme methylenetetrahydrofolate reductase*. <i>Molecular Diagnosis and Therapy</i> , 1997, 2, 61-68.	1.3	21
70	Problems of reproducibility – does geologically ancient DNA survive in amber – preserved insects?. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1997, 264, 467-474.	1.2	133
71	Flightlessness and phylogeny amongst endemic rails (Aves: Rallidae) of the New Zealand region. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 1997, 352, 429-446.	1.8	113
72	Newborn genetic identification: a protocol using microsatellite DNA as an alternative to footprinting. <i>Clinica Chimica Acta</i> , 1997, 263, 33-42.	0.5	2
73	Frequencies of the five PCR-based genetic markers LDLR, GYPA, HBGG, D7S8 and GC in the population of Asturias (North Spain). <i>International Journal of Legal Medicine</i> , 1997, 110, 41-43.	1.2	7

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75	Rapid DNA purification for Hal gene PCR diagnosis in porcine tissues and extension to other meat species. <i>Meat Science</i> , 1997, 45, 17-22.	2.7	4
76	Purification of high-quality dental DNA for PCR-based typing from whole tooth sections using a Chelex mini-column.. <i>Japanese Journal of Oral Biology</i> , 1997, 39, 332-336.	0.1	2
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78	PCR in laboratory diagnosis of human <i>Borrelia burgdorferi</i> infections. <i>Clinical Microbiology Reviews</i> , 1997, 10, 185-201.	5.7	150
79	A case-control study of cytochrome P450 1A1, glutathione S-transferase M1, cigarette smoking and lung cancer susceptibility (Massachusetts, United States). <i>Cancer Causes and Control</i> , 1997, 8, 544-553.	0.8	86
80	Microsatellites in the sand lizard ( <i>Lacerta agilis</i> ): description, variation, inheritance, and applicability. <i>Biochemical Genetics</i> , 1997, 35, 281-295.	0.8	36
81	Detection of <i>Trypanosoma congolense</i> and <i>T. brucei</i> subspecies in cattle in Zambia by polymerase chain reaction from blood collected on a filter paper. <i>Parasitology Research</i> , 1997, 83, 241-245.	0.6	36
82	Genetic variation at five STR loci in subpopulations living in Turkey. <i>International Journal of Legal Medicine</i> , 1997, 110, 170-172.	1.2	13
83	An investigation of the TH01 locus in a population from northern Thailand. <i>International Journal of Legal Medicine</i> , 1997, 110, 286-287.	1.2	5
84	Polyandry in the genus <i>Apis</i> , particularly <i>Apis andreniformis</i> . <i>Behavioral Ecology and Sociobiology</i> , 1997, 40, 17-26.	0.6	84
85	Polygyny via unrelated queens indicated by mitochondrial DNA variation in the Australian meat ant <i>Iridomyrmex purpureus</i> . <i>Insectes Sociaux</i> , 1997, 44, 7-14.	0.7	31
86	Phylogenetic Diversity of Natural Populations of Ammonia Oxidizers Investigated by Specific PCR Amplification. <i>Microbial Ecology</i> , 1997, 33, 87-96.	1.4	56
87	Multiplex amplification of STR loci with gender alleles using infrared fluorescence detection. <i>Forensic Science International</i> , 1997, 85, 225-232.	1.3	9
88	Molecular scatology: the use of molecular genetic analysis to assign species, sex and individual identity to seal faeces. <i>Molecular Ecology</i> , 1997, 6, 225-234.	2.0	217
89	A noninvasive method for distinguishing among canid species: amplification and enzyme restriction of DNA from dung. <i>Molecular Ecology</i> , 1997, 6, 483-486.	2.0	139
90	Phylogenetic evidence of mitochondrial DNA introgression among pocket gophers in New Mexico (family <i>Geomyidae</i> ). <i>Molecular Ecology</i> , 1997, 6, 453-462.	2.0	77
91	Amplification of Guthrie card DNA: Effect of guanidine thiocyanate on binding of natural whole blood PCR inhibitors. , 1997, 11, 87-93.		12

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93	Process Control for Optimal PCR Performance in Glass Microstructures. <i>Biomedical Microdevices</i> , 1998, 1, 65-70.	1.4	26
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97	Demonstration of donor origin of CD34+ HLA-DR $\alpha$ bone marrow cells after allogeneic peripheral blood transplantation with a long follow-up. <i>Bone Marrow Transplantation</i> , 1998, 21, 189-194.	1.3	5
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99	A high sensitivity-nested PCR assay for BHV-1 detection in semen of naturally infected bulls. <i>Veterinary Microbiology</i> , 1998, 63, 1-11.	0.8	46
100	Molecular Phylogeny and Evolution of the Deep-Sea Fish Genus <i>Sternopyx</i> . <i>Molecular Phylogenetics and Evolution</i> , 1998, 10, 11-22.	1.2	34
101	Benzene exposure, glutathione S-transferase theta homozygous deletion, and sister chromatid exchanges. , 1998, 33, 157-163.		48
102	Population study of the short tandem repeat polymorphisms HumTH01, HumvWA31, HumFESFPS and HumF13A01 in Sicily (Southern Italy). <i>International Journal of Legal Medicine</i> , 1998, 111, 281-283.	1.2	4
103	Mitochondrial DNA polymorphisms: a study of 50 French Caucasian individuals and application to forensic casework. <i>International Journal of Legal Medicine</i> , 1998, 111, 292-298.	1.2	65
104	RFLP and sequence analysis of the cytochrome b gene of selected animals and man: methodology and forensic application. <i>International Journal of Legal Medicine</i> , 1998, 111, 323-327.	1.2	66
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106	Molecular characterization of two deletion events involving Alu-sequences, one novel base substitution and two tentative hotspot mutations in the hypoxanthine phosphoribosyltransferase (HPRT) gene in five patients with Lesch-Nyhan syndrome. <i>Human Genetics</i> , 1998, 103, 311-318.	1.8	31
107	Poecilogony in an estuarine opisthobranch: planktotrophy, lecithotrophy, and mixed clutches in a population of the ascoglossan <i>Alderia modesta</i> . <i>Marine Biology</i> , 1998, 132, 483-494.	0.7	76
108	Extra-pair paternity in the monogamous Alpine marmot revealed by nuclear DNA microsatellite analysis. <i>Behavioral Ecology and Sociobiology</i> , 1998, 43, 281-288.	0.6	154
109	Evolution and biogeography of the genus <i>Tarentola</i> (Sauria: Gekkonidae) in the Canary Islands, inferred from mitochondrial DNA sequences. <i>Journal of Evolutionary Biology</i> , 1998, 11, 481-494.	0.8	24

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110	Molecular evidence for genetic subdivision of Antarctic krill ( <i>Euphausia superba</i> Dana) populations. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1998, 265, 2387-2391.	1.2	83
111	Prenatal Diagnosis of the Fetal Rhc Genotype From Peripheral Maternal Blood. <i>Obstetrics and Gynecology</i> , 1998, 91, 506-510.	1.2	6
112	Mitochondrial Control-Region Sequence Variation in Aboriginal Australians. <i>American Journal of Human Genetics</i> , 1998, 62, 435-449.	2.6	60
113	Mutation detection by cleavase in combination with capillary electrophoresis analysis: Application to mutations causing hypertrophic cardiomyopathy and long-QT syndrome*. <i>Molecular Diagnosis and Therapy</i> , 1998, 3, 105-111.	1.3	7
114	Nest site limitation and colony takeover in the ant <i>Leptothorax nylanderi</i> . <i>Behavioral Ecology</i> , 1998, 9, 367-375.	1.0	131
115	Recovery of DNA for PCR Amplification from Blood and Forensic Samples Using a Chelating Resin. , 1998, 98, 9-18.		37
116	Quantification of DNA By Slot-Blot Analysis. , 1998, 98, 33-38.		2
117	Amplification and Sequencing of Mitochondrial DNA in Forensic Casework. , 1998, 98, 213-224.		16
118	Simultaneous detection and strain differentiation of <i>Mycobacterium tuberculosis</i> complex in paraffin wax embedded tissues and in stained microscopic preparations. <i>Journal of Clinical Pathology</i> , 1998, 51, 209-214.	2.1	66
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121	Mitochondrial DNA variability in Grauer's gorillas of Kahuzi-Biega National Park. <i>Journal of Heredity</i> , 1998, 89, 129-135.	1.0	28
122	Evolution of anaerobic ciliates from the gastrointestinal tract: phylogenetic analysis of the ribosomal repeat from <i>Nyctotherus ovalis</i> and its relatives. <i>Molecular Biology and Evolution</i> , 1998, 15, 1195-1206.	3.5	69
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125	Rapid and effective processing of blood specimens for diagnostic PCR using filter paper and Chelex-100. <i>Journal of Clinical Pathology</i> , 1998, 51, 215-217.	2.1	38
126	Sexing the Oriental White Stork <i>Ciconia boyciana</i> by PCR Using a Single Plucked Feather as a Source of DNA. <i>Japanese Journal of Ornithology</i> , 1998, 46, 157-162.	0.0	15
127	Genetic Variation in Populations of the Diamond-shaped Squid &i&t;Thysanoteuthis rhombus&i&t; as Examined by Mitochondrial DNA Sequence Analysis. <i>Fisheries Science</i> , 1998, 64, 538-542.	0.7	10



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129	Minimally Invasive Detection of <i>Piscirickettsia salmonis</i> in Cultivated Salmonids via the PCR. <i>Applied and Environmental Microbiology</i> , 1998, 64, 3066-3069.	1.4	60
130	Diagnosis of <i>Trichomonas vaginalis</i> Infection by PCR Using Vaginal Swab Samples. <i>Journal of Clinical Microbiology</i> , 1998, 36, 3205-3210.	1.8	209
131	Intravital Diagnosis of Human Rabies by PCR Using Saliva and Cerebrospinal Fluid. <i>Journal of Clinical Microbiology</i> , 1998, 36, 1117-1121.	1.8	159
132	Development of PCR Primer Systems for Amplification of Nitrite Reductase Genes ( <i>nirK</i> and <i>nirS</i> ) To Detect Denitrifying Bacteria in Environmental Samples. <i>Applied and Environmental Microbiology</i> , 1998, 64, 3769-3775.	1.4	766
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134	Genotyping of CYP21, Linked Chromosome 6p Markers, and a Sex-Specific Gene in Neonatal Screening for Congenital Adrenal Hyperplasia. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1999, 84, 960-966.	1.8	100
135	Brief communication. Flowering gene <i>Ppd</i> in pea: map position and disturbed segregation of allele <i>ppd-2</i> . , 1999, 90, 548-550.		2
136	Phylogeographic Variation in Two Mustelines, the Least Weasel <i>Mustela nivalis</i> and the Ermine <i>M. erminea</i> of Japan, Based on Mitochondrial DNA Control Region Sequences. <i>Zoological Science</i> , 1999, 16, 971-977.	0.3	20
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138	Experimentally observed germline mutations at human micro- and minisatellite loci. <i>European Journal of Human Genetics</i> , 1999, 7, 263-266.	1.4	60
139	Frequency of glycogen storage disease type II in The Netherlands: implications for diagnosis and genetic counselling. <i>European Journal of Human Genetics</i> , 1999, 7, 713-716.	1.4	260
140	An improved method for STR analysis of bloodstained denim. <i>International Journal of Legal Medicine</i> , 1999, 112, 388-390.	1.2	37
141	Detection of BHV-1 in a naturally infected bovine fetus by a nested PCR assay. <i>Veterinary Research Communications</i> , 1999, 23, 133-141.	0.6	8
142	Human Identity Testing with PCR-based Systems. <i>Molecular Biotechnology</i> , 1999, 13, 123-136.	1.3	7
143	Pränatale Paternitätsbestimmung mittels PCR-VNTR-Polymorphismen. <i>Rechtsmedizin</i> , 1999, 9, 193-196.	2.6	4
144	A PCR-ELISA Method for Direct Detection of the Oyster Pathogen <i>Haplosporidium nelsoni</i> . <i>Marine Biotechnology</i> , 1999, 1, 147-154.	1.1	7
145	New method of PCR amplification of two human minisatellite loci and reliable method of DNA isolation. <i>Bulletin of Experimental Biology and Medicine</i> , 1999, 127, 324-327.	0.3	0

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146	Influence of soil storage and exposure period on DNA recovery from teeth. <i>International Journal of Legal Medicine</i> , 1999, 112, 142-144.	1.2	44
147	Mitochondrial DNA in human hair shafts - existence of intra-individual differences?. <i>International Journal of Legal Medicine</i> , 1999, 112, 172-175.	1.2	41
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