

Product Catalogue 2011 - 2012

**PCR Test for Detection of
Infectious Diseases**

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PCR Test for Detection of Infectious Diseases



Beschreibung:

Vor der Analyse wird die DNA aus dem biologischen Material mit einem geeigneten Aufreinigungssystem isoliert. Es gibt keine Einschränkungen bei der Wahl des Aufreinigungssystems.

Geeignetes Probenmaterial:

- Speichel, Urin, Tränenflüssigkeit, Schleim und andere Bioproben mit geringen Konzentrationen an Proteinen, Polysacchariden und Fette.
- Blut, Gewebe, Zellsuspensionen und andere Bioproben mit hohen Konzentrationen an Proteinen Polysacchariden und Fette.

PCR-Ansatz (total 20 µl):

- max. 10 µl aufgereinigte DNA
- max. 10 µl des mitgelieferten Dilutions-Puffer
- optional mit PCR-Grade dest. Wasser auf 20 µl Endvolumen auffüllen
- gut mischen

Standard-Protokoll:

Schritt	Zeit	Temperatur
Erste Denaturierung	2-3 Min	95°C
45 Zyklen:		
Denaturierung	20-25 s	95°C
Annealing	20-40 s	58-62°C *1)
Extension	60 s	74°C
Schluss-Extension	2-3 Min	74°C

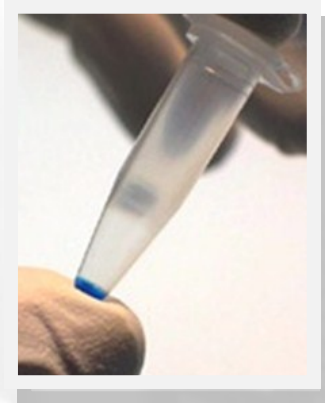
*1) Genaue Temperatur im Manual

Auswertung:

im Agarose Gel

Hinweis:

Die gefriergetrockneten Mastermixe sind ausschließlich für Forschungszwecke bestimmt und sind nicht CE-zertifiziert!



Description:

PCR Detection-Test-systems for the identification of infection diseases provide a convenient analysis of infection agents presence in biological samples. All reagents (Taq DNA polymerase, dNTPs, specific primers, salts and stabilizers) are lyophilized in PCR tubes (0,2 ml), only sample to be analyzed and dilution buffer should be added before running the PCR.

Appropriate samples:

- blood, tissue, cells suspension and other samples with high concentration of proteins, polysaccharides and DNA
- Saliva, urine, tears, mucus and other samples with low concentrations of DNA, proteins, polysaccharides and fats;

Procedure (total volume 20 µl):

- open the 0,2 ml PCR Tube with lyophilised PCR Master Mix
- add max. 10 µl of DNA from bio-sample
- add max. 10 µl of dilution-buffer
- optional: add dest. Water (mol-bio grade) up to 20 µl
- vortex the reaction mixture extensive

Cycler-Protocol:

Step	Time	Temperature
Initial denaturation	2-3 min	95°C
45 Cycles:		
Denaturation	20-25 s	95°C
Annealing	20-40 s	58-62°C *1)
Extension	60 s	74°C
Final extension	2-3 min	74°C

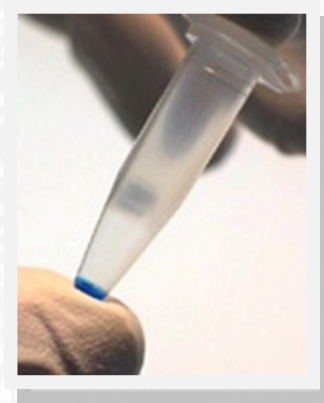
*1) depending on the test (see manual)

Analysis:

on Agarose-gel

Note:

The Kits are for R&D only - no CE-Certification



Cat.No.	Description / Infection agent	short-cut	Ampl.-size [bp]
A2041	Aspergillus fumigatus	Afu	456
B2042	Borrelia burgdorferi	Bpu	445
B2089	Borrelia garinii	Bga	445
B2110	Borrelia spp. (burgdorferi+garinii+afzelii)	Bor	445
L2072	Bovine leukemia virus	proBLV	347
B2043	Brucella melitensis	Bme(Bru)	442
C2040	Candida albicans	Cal	490
C2012	Chlamydia pneumonia	Cpn	448
C2013	Chlamydia psittaci	Cps	356
C2014	Chlamydia spp.	Chl	560
C2011	Chlamydia trachomatis	Ctr	410
E2063	Epstein-Barr virus	EBV	558
F2044	Francisella tularensis	Ftu	333
G2030	Gardnerella vaginalis	Gva	424
H2059	Haemophilis influenzae	Hin	381
H2023	Helicobacter pylori (ure)	Hpy-ure	381
B2049	Hepatitis B virus	HBV	473
H2054	Herpes simplex virus 1 type	HSV1	331
H2053	Herpes simplex virus 1/2 type	HSV1/2	360
H2055	Herpes simplex virus 2 type	HSV 2	432
C2062	Human cytomegalovirus	HCMV	451
H2056	Human herpes virus 6 type	HHV 6	371
H2098	Human herpes virus 7 type	HHV 7	437
H2057	Human herpes virus 8 type	HHV 8	272
P2065	Human papillomavirus, general	HPV gen	450
P2069	Human papillomavirus, high risk (16,18,31,33,35,39,45,51,52)	HPV h.r.	450
L2074	Human T-Lymphotropic virus, 1/2 types	proHTLV 1/2	375
L2058	Legionella pneumophila	Lpn	511
L2031	Leptospira interrogans	Lin	668

Cat.No.	Description / Infection agent	short-cut	Ampl.-size [bp]
L2137	Leptospira spp.	Lep	423
L2032	Listeria monocytogenes	Lmo	226
M2084	Mobiluncus curtisii	Mcu	224
M2060	Moraxella catarrhalis	Mca	550
M2115	Mycobacterium (tuberculosis+bovis)	M(tu+bo)	234
M2016	Mycobacterium avium, subsp. Paratuberculosis	M(tu+bo))	268
M2026	Mycobacterium intracellulare	Min	234
M2015	Mycobacterium tuberculosis	Mtu	222
M2018	Mycoplasma hominis	Mho	282
M2017	Mycoplasma pneumoniae	Mpn	316
M2019	Mycoplasma genitalium	Mge	538
M2091	Mycoplasma spp. (Mge+Mho+Mpn+Mfe+Mpe)	Myc	316
N2020	Neisseria gonorrhoeae	Ngo	591
B2052	Parvovirus B19	B19	743
P2022	Pneumocystis carinii	Pca	396
R2104	Rickettsia spp.	Ric	259
S2033	Streptococcus agalactiae	Sag	583
S2034	Streptococcus pneumoniae	Spn	567
S2103	Streptococcus pyogenes	Spy	609
T2021	Toxoplasma gondii	Tgo	523
T2050	Transfusion transmitted virus, general	TTV gen	276
T2035	Treponema pallidum	Tpa	325
T2036	Trichomonas vaginalis	Tva	771
U2038	Ureaplasma parvum, biovar 1	Upa	540
U2037	Ureaplasma (parvum+urealytic.)	Ure	554
U2039	Ureaplasma urealyticum, biovar2	Uur	435
V2061	Varicella-zoster virus	VZV	381
V2045	Vibrio cholerae (toxR)	Vch-toxR	624

