

Analyse/ Analyt	Methode(n)	Material	Dauer	Hintergrundinformation/ Interpretation
Serologie/PCR				
16S RNA-Gen (Bakterien)	Real Time PCR	Liquor (1ml), EDTA Blut (5ml), Punktat, Gewebe	1d	bei positiver PCR erfolgt Erregerindifizierung durch Sequenzierung
18S RNA-Gen (Pilze)	Real Time PCR	Liquor (1ml), EDTA Blut (5ml), Punktat, Gewebe	1d	bei positiver PCR erfolgt Erregerindifizierung durch Sequenzierung
Adenoviren-AK (IgG, IgM)	EIA	5-10 ml Serum (Serummonovette)	1-3d	
Adenovirus DNA	Real Time PCR	Abstrich, BAL, Biopsie, EDTA-Blut, Liquor, Punktat, Rachenspülwasser, Serum, Sputum, Stuhl, Trachealsekret, Urin	1d	
Aspergillus-Antigen	EIA	5-10 ml Serum (Serummonovette) BAL	1-2d	
Aspergillus flavus DNA	Real Time PCR	BAL, Gewebe	1d	
Aspergillus fumigatus DNA	Real Time PCR	BAL, Gewebe	1d	
Aspergillus niger DNA	Real Time PCR	BAL, Gewebe	1d	
Aspergillus species DNA	Real Time PCR	BAL, Gewebe	1d	
Aspergillus terreus DNA	Real Time PCR	BAL, Gewebe	1d	
Astrovirus RNA	Real Time PCR	Stuhl	1d	
BK-Virus DNA	Real Time PCR	Serum (5ml), EDTA (5ml), Urin	1d	
Bocavirus DNA	Real Time PCR	Abstrich, BAL, Rachenspülwasser, Sputum, Trachealsekret	1d	
Bordetella pertussis-Impftiter (IgG AK)	EIA	5-10 ml Serum (Serummonovette)	1-5d	
Bordetella pertussis Toxin AK (IgA, IgG)	EIA	5-10 ml Serum (Serummonovette)	1-3d	
Bordetella pertussis DNA	Real Time PCR	Abstrich, BAL, Rachenspülwasser, Sputum, Trachealsekret	1d	
Bordetella parapertussis DNA	Real Time PCR	Abstrich, BAL, Rachenspülwasser, Sputum, Trachealsekret	1d	

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Bordetella holmesii DNA	Real Time PCR	Abstrich, BAL, Rachenspülwasser, Sputum, Trachealsekret	1d	
Borrelia burgdorferi- AK (IgG, IgM)	EIA, Immunoblot	Liquor (1ml), 5-10 ml Serum (Serummonovette), Plasma	1-3d	
Borrelia burgdorferi DNA	Real Time PCR	Liquor (1ml), Hautbiopsie, Gelenkpunktat	1d	
Brucellen-AK (IgA, IgG, IgM)	EIA	5-10 ml Serum (Serummonovette), Plasma	1-5d	
Campylobacter IgG-AK, IgA-AK	EIA	Serum (Serummonovette), Plasma	1-5d	
Campylobacter jejuni/coli DNA	Real Time PCR	Stuhl	1d	
Candida-Antigen	EIA	5-10 ml Serum (Serummonovette), Plasma	1-3d	
Carbapemenasen DNA	Real Time PCR	Kultur	1d	Typ VIM, OXA48, KPC, NDM1, IMP
Chlamydien AK (IgA, IgG)	EIA, Immunoblot	5-10 ml Serum (Serummonovette), Plasma	1-3d	Test erfasst Antikörper gegen C. trachomatis, C. pneumoniae und C. psittaci
Chlamydia trachomatis-AK (IgA, IgG)	EIA, Immunoblot	5-10 ml Serum (Serummonovette)	1-3d	
Chlamydia trachomatis DNA	Real Time PCR	Abstriche, Biopsie, BAL, Urin, Sputum, Rachenspülwasser, Trachealsekret, Punktat	1d	inkl. Differenzierung in LGV und non LGV Stämme
C. trachomatis LGV-Typisierung	Real Time PCR	Abstrich, Biopsie, Urin	1d	
Chlamydophila pneumoniae-AK (IgA, IgG, IgM)	EIA, Immunoblot	5-10 ml Serum (Serummonovette)	1-3d	
Chlamydophila pneumoniae DNA	Real Time PCR	Abstriche, EDTA (5ml), BAL, Sputum, Rachenspülwasser, Trachealsekret	1d	
Chlamydophila psittaci DNA	Real Time PCR	Abstriche, EDTA (5ml), BAL, Sputum, Rachenspülwasser, Trachealsekret	1d	
Clostridium difficile DNA	Real Time PCR	Stuhl, Kultur	1d	
CMV-AK (IgG, IgM)	EIA	1ml Liquor, 5-10 ml Serum (Serummonovette)	1-2d	

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CMV DNA	Real Time PCR	Serum (5ml), EDTA (5ml), Liquor (1ml), BAL, Punktat, Rachenspülwasser, Sputum, Trachealsekret, Abstrich, Biopsie, Stuhl, Urin	1d	
CMV-pp65-Antigen	IFT	10 ml Heparinblut, Citratblut	1-2d	indirekter Immunfluoreszenztest
Coronaviren RNA	Real Time PCR	Abstrich, BAL, Rachenspülwasser, Sputum, Trachealsekret	1d	virale Atemwegsinfektion, erfasst auch MERS-CoV
Corynebakterium diphtheriae Toxin DNA	Real Time PCR	Kultur	1d	
Coxiella burnetii-AK (IgA, IgG, IgM)	EIA	5-10 ml Serum (Serummonovette), Plasma	1-5d	Test erfasst IgA und IgG AK gegen Antigene der Phase I sowie IgG und IgM AK gegen Antigene der Phase II
Cryptococcus-Antigen	Latex-agglutination	Liquor (1ml), 5-10 ml Serum (Serummonovette)	1d	
Cryptococcus neoformans/gattii DNA	Real Time PCR	Liquor, Serum, BAL, Sputum, Trachealsekret	1d	
Cryptosporidium hominis/parvum DNA	Real Time PCR	Stuhl	1d	
Diphtherie-Impftiter (IgG AK)	EIA	5-10 ml Serum (Serummonovette), Plasma	1-5d	
Diphtherie Toxin	Real Time PCR	Kulturmateriel	1d	
EBV-AK (IgG, IgM)	EIA	1ml Liquor, 5-10 ml Serum (Serummonovette)	1-2d	Test erfasst IgG und IgM AK gegen Capsid Antigen sowie IgG AK gegen EBNA-1
EBV IgA AK	EIA	5-10 ml Serum (Serummonovette)	1-3d	
EBV DNA	Real Time PCR	Serum (5ml), EDTA (5ml), Liquor (1ml), BAL, Biopsie, EDTA-Blut, Sputum, Stuhl	1d	
Echinococcus-AK	IHA indirekte Hämagglutination	5-10 ml Serum (Serummonovette)	1-5d	
Enteroviren-AK (IgG, IgM)	EIA	Liquor (1ml), 5-10 ml Serum (Serummonovette)	1-5d	
Enterovirus RNA	Real Time PCR	Serum (5ml), EDTA (5ml), Liquor (1ml), Abstrich, Biopsie, Stuhl, Rachenspülwasser, Trachealsekret	1d	Gruppe A - D

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Escherichia coli (EAEC) DNA	Real Time PCR	Stuhl, Kultur	1d	
Escherichia coli (ETEC) DNA	Real Time PCR	Stuhl, Kultur	1d	
Escherichia coli (EPEC) DNA	Real Time PCR	Stuhl, Kultur	1d	
Escherichia coli (EIEC) /Shigella species DNA	Real Time PCR	Stuhl, Kultur	1d	
Escherichia coli (STEC) DNA	Real Time PCR	Stuhl, Kultur	1d	erfaßt und differenziert SLT1 und SLT2 produzierende STECStämme
Entamoeba histolytica DNA	Real Time PCR	Stuhl	1d	
FSME-Virus-AK (IgG, IgM)	EIA	Liquor (1ml), 5-10 ml Serum (Serummonovette)	1-3d	
Giardia lamblia DNA	Real Time PCR	Stuhl	1d	
Haemophilus influenzae DNA	Real Time PCR	Liquor, Serum, BAL, Sputum, Trachealsekret		
Helicobacter pylori-Antigen	EIA	Stuhl	1-5d	
Hepatitis A-Gesamt-Ak	EIA	5-10 ml Serum (Serummonovette)	1d	
Hepatitis A-IgG-AK	EIA	5-10 ml Serum (Serummonovette)	1d	
Hepatitis A-IgM-Ak	EIA	5-10 ml Serum (Serummonovette)	1d	
Hepatitis-A-Virus RNA	Real Time PCR	Stuhl, 5ml EDTA Blut oder 5-10 ml Serum	1d	
Hepatitis-B-Virus HBs-Antigen qualitativ	EIA	5-10 ml Serum (Serummonovette)	1d	
Hepatitis-B-Virus HBs-Antigen quantitativ	EIA	5-10 ml Serum (Serummonovette)	1d	
Hepatitis-B-Virus HBs-AK (IgG)	EIA	5-10 ml Serum (Serummonovette)	1d	
Hepatitis-B-Virus HBc-AK	EIA	5-10 ml Serum (Serummonovette)	1d	
Hepatitis-B- Virus HBc-IgM-AK	EIA	5-10 ml Serum (Serummonovette)	1d	
Hepatitis-B-Virus HBe- Antigen	EIA	5-10 ml Serum (Serummonovette)	1d	

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Serologie/PCR				
Hepatitis-B-Virus HBe-AK	EIA	5-10 ml Serum (Serummonovette)	1d	
HBV DNA	Real Time PCR	5 ml EDTA Blut, 5-10ml Serum , Biopsie	1d	
HBV-Genotyp	Real Time PCR	5 ml EDTA Blut, 5-10ml Serum	1d	bei positiver PCR erfolgt Erregeridentifizierung durch Sequenzierung
HBV-Resistenz	PCR, Sequenzierung	5 ml EDTA Blut, 5-10ml Serum	1-3d	genotyp. Resistenzanalyse bei positiver PCR
HCV-AK	EIA, Immunoblot	5-10 ml Serum (Serummonovette)	1d	
HCV RNA	Real Time PCR	5 ml EDTA Blut, 5-10ml Serum	1d	
HCV-Genotyp	Real Time PCR	5 ml EDTA Blut, 5-10ml Serum	1d	bei positiver PCR erfolgt Erregeridentifizierung durch Sequenzierung
HDV-AK	EIA	5-10 ml Serum (Serummonovette)	1-2d	
HDV RNA	Real Time PCR	5 ml EDTA Blut, 5-10ml Serum, Biopsie	1d	
HEV IgM AK	Schnelltest	5-10 ml Serum (Serummonovette)	1d	
HEV IgM und IgG AK	Immunoblot	5-10 ml Serum (Serummonovette)	1d	
HEV RNA	Real Time PCR	Stuhl, 5ml EDTA Blut oder 5-10 ml Serum	1d	
HHV6 DNA	Real Time PCR	Serum (5ml), EDTA (5ml), Liquor (1ml), BAL, Sputum	1d	Humanes Herpes Virus 6, Typ A und B
HHV8 DNA	Real Time PCR	5 ml EDTA Blut, Biopsie	1d	Humanes Herpes Virus 8
HIV1/2-AK/p24-Ag	EIA	5-10 ml Serum (Serummonovette)	1d	
HIV1-AK	EIA	5-10 ml Serum (Serummonovette)	1d	
HIV1 IgA AK	Immunoblot	Serum, Plasma	1-2d	
HIV2-AK	EIA	5-10 ml Serum (Serummonovette)	1d	
HIV2 IgA AK	Immunoblot	Serum, Plasma	1-2d	
HIV1 RNA	Real Time PCR	5 ml EDTA Blut, 5-10ml Serum, Liquor	1d	Humanes Immundefizienz Virus Typ 1
HIV1-Resistenzbestimmung	PCR, Sequenzierung	5 ml EDTA Blut, 5-10ml Serum	2-10d	genotyp. Resistenzanalyse bei positiver PCR

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Serologie/PCR				
-RT-Inhibitoren	PCR, Sequenzierung	5 ml EDTA Blut, 5-10ml Serum	2-10d	
-Protease-Inhibitoren	PCR, Sequenzierung	5 ml EDTA Blut, 5-10ml Serum	2-10d	
-Integrase-Inhibitoren	PCR, Sequenzierung	5 ml EDTA Blut, 5-10ml Serum	2-10d	
HIV1-Tropismus (CCR5, CXCR4)	PCR, Sequenzierung	5 ml EDTA Blut, 5-10ml Serum	2-10d	Sequenzanalyse des env-V3-loops
HIV2 RNA	Real Time PCR	5 ml EDTA Blut, 5-10ml Serum, Liquor	1-2d	Humanes Immundefizienz Virus Typ 2
HPV DNA (genitale HPV-Typen)	PCR	Abstrich, Biopsie	2-10d	Humanes Papillomavirus
HPV-Typisierung (genitale HPV-Typen)	PCR + Array-Hybridisierung	Abstrich, Biopsie	2-10d	Humanes Papillomavirus
HSV-AK (IgG, IgM)	EIA	1 ml Liquor, 5-10 ml Serum (Serummonovette)	1-2d	
HSV DNA Typ 1 u. 2	Real Time PCR, Typisierung	Abstrich, BAL, Biopsie, EDTA-Blut, Liquor, Punktat, Rachenspülwasser, Serum, Sputum, Stuhl, Trachealsekret	1d	(HSV1/HSV2)
HTLV I/II-AK	EIA	5-10 ml Serum (Serummonovette)	1-3d	
IL28B Polymorphismus	Real Time PCR	2 ml EDTA Blut	1d	
Influenzavirus Typ A (IgA, IgG)	EIA	1 ml Liquor, 5-10 ml Serum (Serummonovette)	1-3d	
Influenzavirus Typ B (IgA, IgG)	EIA	1 ml Liquor, 5-10 ml Serum (Serummonovette)	1-3d	
Influenzavirus RNA	Real Time PCR	Abstrich, BAL, Rachenspülwasser, Sputum	1d	Typ A, Typ B, H1N1
JC-Virus DNA	Real Time PCR	Serum (5ml), EDTA (5ml), Liquor (1ml), Urin	1d	
JCV-Typisierung	Real Time PCR	Serum (5ml), EDTA (5ml), Liquor (1ml), Urin	1d	
Legionellen-AK (IgG, IgM)	EIA	5-10 ml Serum (Serummonovette), Plasma	1-5d	
Legionella pneumophila-Antigen	EIA	Urin	1-3d	
Legionella species DNA	Real Time PCR	Abstrich, BAL, Rachenspülwasser, Sputum, Trachealsekret	1d	
Leptospiren-AK (IgG, IgM)	EIA	5-10 ml Serum (Serummonovette), Plasma	1-5d	

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Serologie/PCR				
Listeria monocytogenes DNA	Real Time PCR	Liquor, Serum	1d	
Masernvirus-AK (IgG, IgM)	EIA	1 ml Liquor, 5-10 ml Serum (Serummonovette)	1-2d	
Masernvirus RNA	Real Time PCR	Serum (5ml), EDTA (5ml), Liquor (1ml)	1d	
MPV RNA	Real Time PCR	Abstrich, BAL, Rachenspülwasser, Sputum, Trachealsekret	1d	Humanes Metapneumovirus hMPV
MRSA (mecA/mecC)DNA	Real Time PCR	Abstrich, Biopsie, BAL, Punktat, Sputum, Kultur	1d	
Mumpsvirus-AK (IgG, IgM)	EIA	1 ml Liquor, 5-10 ml Serum (Serummonovette)	1-2d	
Mumpsvirus RNA	Real Time PCR	Serum (5ml), EDTA (5ml), Liquor (1ml),	1d	
Mycobacterium species DNA	PCR, reverse Hypridisierung	Flüssigkulturen (MGIT), Festkulturen	1-2d	Identifizierung nach Anzucht
Mycobacterium tuberculosis Komplex DNA	Real Time PCR	Sputum, BAL, Magensaft, Urin. Liquor, Biopsie, gezielte Absaugung, Punktat, Stuhl	1d	
Mycoplasma genitalium DNA	Real Time PCR	Abstrich, Kultur	1d	
Mycoplasma hominis DNA	Real Time PCR	Abstrich, Kultur	1d	
Mycoplasma pneumoniae DNA	Real Time PCR	Abstrich, BAL, Rachenspülwasser, Sputum, Trachealsekret	1d	
Mycoplasma pneumoniae-AK (IgG, IgM)	EIA	5-10 ml Serum (Serummonovette), Plasma	1-3d	
Neisseria gonorrhoeae DNA	Real Time PCR	Abstrich, Gewebe, Urin, Biopsie	1d	
Neisseria meningitidis DNA	Real Time PCR	Liquor	1d	
Norovirus RNA	Real Time PCR	Stuhl	1d	
Norovirus-Typisierung (GI/GII)	Real Time PCR	Stuhl	1d	
Parainfluenzavirus-AK (IgA, IgG)	EIA	5-10 ml Serum (Serummonovette)	1-3d	
Parainfluenzavirus RNA	Real Time PCR	Abstrich, BAL, Rachenspülwasser, Sputum, Trachealsekret	1d	virale Atemwegsinfektion, erfasst und differenziert PIV 1-4

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Serologie/PCR				
Parechoviren RNA	Real Time PCR	Abstrich, BAL, Rachenspülwasser, Sputum, Trachealsekret	1d	
Parvovirus B19 IgG, IgM AK	EIA	Liquor, Serum	1-2d	
Parvovirus B19 DNA	Real Time PCR	Serum (5ml), EDTA (5ml), Liquor (1ml), Biopsie, Punktat	1d	
Pneumocystis jirovecii DNA	Real Time PCR	Abstrich, BAL, Sputum, Trachealsekret	1d	
QuantiFeron TB-Test	Interferon-Gamma release assay	Heparinblut	2-3d	Spezialröhrchen (3er Kombi)
Rhino/Enterovirus RNA	Real Time PCR	Abstrich, BAL, Rachenspülwasser, Sputum, Trachealsekret	1d	
Rotavirus RNA	Real Time PCR	Stuhl	1d	
Rötelnvirus-AK (IgG, IgM)	EIA, Immunoblot	1 ml Liquor, 5-10 ml Serum (Serummonovette)	1-2d	
Rötelnvirus RNA	Real Time PCR	EDTA-Blut, Liquor (1ml), Serum	1d	
RSV RNA	Real Time PCR	Abstrich, BAL, Rachenspülwasser, Sputum, Trachealsekret	1d	Respiratory Syncytial Virus
Sapovirus RNA	Real Time PCR	Stuhl	1d	
Salmonella species DNA	Real Time PCR	Stuhl, Kultur	1d	
Staphylococcus aureus DNA	Real Time PCR	Abstrich, BAL, Biopsie, Punktat, Sputum, Kultur	1d	nuc, pvl
Streptococcus pneumoniae DNA	Real Time PCR	Abstriche, EDTA-Blut, BAL, Sputum, Rachenspülwasser, Trachealsekret, Liquor	1d	
Sapovirus RNA	Real Time PCR	Stuhlprobe	1d	
Tetanus-Impftiter (IgG AK)	EIA	5-10 ml Serum (Serummonovette), Plasma	1-5d	
Toxoplasma gondii-AK (IgG, IgM)	EIA	1 ml Liquor, 5-10 ml Serum (Serummonovette)	1-3d	
Toxoplasma gondii DNA	Real Time PCR	EDTA-Blut, Liquor (1ml), Punktat, Serum	1d	

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Treponemen Serologie (IgG-AK, IgM AK, TPPA, VDRL-Titer)	EIA, Immunoblot, Agglutination	1 ml Liquor, 5-10 ml Serum (Serummonovette)	1-3d	
Treponema pallidum DNA	Real Time PCR	Abstrich, Urin, Liquor	1d	
Tropheryma whipplei DNA	Real Time PCR	Liquor (1ml), Biopsie, Stuhl, Urin	1d	
Ureaplasma parvum DNA	Real Time PCR	Abstrich, BAL, Rachenspülwasser, Sputum, Trachealsekret	1d	
Ureaplasma urealyticum DNA	Real Time PCR	Abstrich, BAL, Rachenspülwasser, Sputum, Trachealsekret	1d	
Van A/B DNA	Real Time PCR	Stuhl, Anreicherungsbrühen, Kultur	1d	
Vibrio cholerae	Real Time PCR	Stuhl, Kultur	1d	
VZV-AK (IgG, IgM)	EIA	1 ml Liquor, 5-10 ml Serum (Serummonovette)	1-2d	
VZV DNA	Real Time PCR	Abstriche, EDTA (5ml), BAL, Sputum, Liquor, Rachenspülwasser, Trachealsekret, Serum	1d	
West Nile Virus RNA	Real Time PCR	Serum (5ml), EDTA (5ml), Liquor (1ml)	1d	
Yersinia enterocolitica	Real Time PCR	Stuhl, Kultur	1d	
Yersinia pseudotuberculosis	Real Time PCR	Stuhl, Kultur	1d	
Yersinien-AK (IgG/IgA/IgM)	Immunoblot	5-10 ml Serum (Serummonovette)	1-5d	Yersiniose, reA erfasst AK gegen Y. enterocolitica und Y. pseudotuberculosis