

Analyse/Analyt	Methode(n)	Material	Dauer	Hintergrundinformation/Interpretation
16S RNA-Gen (Bakterien)	Real Time PCR	Liquor (1ml), EDTA-Blut (2ml), Punktat (1ml), Gewebe (1g) , Kultur (1ml)	3d	bei positiver PCR erfolgt Erregeridentifizierung durch Sequenzierung
18S RNA-Gen (Candida)	Real Time PCR	Liquor (1ml), EDTA-Blut (2ml), Punktat (1ml), Gewebe (1g)	3d	bei positiver PCR erfolgt Erregeridentifizierung durch Sequenzierung
Adenovirus DNA	Real Time PCR	Abstrich (1ml), BAL (1ml), Biopsie (1g), EDTA-Blut (1ml), Liquor (1ml), Punktat (1ml), Rachenspülwasser (1ml), Serum (1ml) , Sputum (1ml) , Stuhl (1ml) , Trachealsekret (1ml), Urin (1ml)	1d	
Aspergillus-Antigen	EIA	Serum (1ml), BAL (1mL)	3d	
Aspergillus species DNA	Real Time PCR	BAL (1mL), Gewebe (1g)	1d	
Astrovirus RNA	Real Time PCR	Stuhl (1ml)	1d	
Beta D Glucan	Enzymkinetischer Assay	Serum (1ml)	1d	
BK-Virus DNA	Real Time PCR	Serum (1ml),EDTA-Blut (1ml), Urin (1ml), Liquor (1ml)	1d	
Bocavirus DNA	Real Time PCR	Abstrich (1ml), BAL (1mL), Rachenspülwasser (1ml), Sputum (1ml), Trachealsekret (1ml), EDTA (1ml)	1d	
Bordetella pertussis Toxin AK (IgG)	CLIA	Serum (1ml)	1d	
Bordetella pertussis DNA	Real Time PCR	Abstrich (1ml), BAL (1ml), Rachenspülwasser (1ml), Sputum (1ml), Trachealsekret (1ml)	1d	
Bordetella parapertussis DNA	Real Time PCR	Abstrich (1ml), BAL (1ml), Rachenspülwasser (1ml), Sputum (1ml), Trachealsekret (1ml)	1d	

Analyse/Analyt	Methode(n)	Material	Dauer	Hintergrundinformation/Interpretation
Bordetella holmesii DNA	Real Time PCR	Abstrich (1ml), BAL (1ml), Rachenspülwasser (1ml), Sputum (1ml), Trachealsekret (1ml)	1d	
Borrelia burgdorferi- AK (IgG, IgM)	CLIA	Serum (1ml)	1d	
Borrelia burgdorferi Serum /Liquor Index	CLIA	Liquor (1ml), Serum (1ml)	1d	
Borrelia burgdorferi- AK (IgG, IgM)	Immunoblot	Liquor (1ml), Serum (1ml)	3d	
Borrelia burgdorferi DNA	Real Time PCR	Liquor (1ml), Hautbiopsie, Gelenkpunktat (1ml)	1d	
Brucellen-AK (IgG, IgM)	EIA	Serum (1ml)	3d	
Campylobacter-AK (IgA, IgG)	EIA	Serum (1ml)	3d	
Campylobacter jejuni/coli DNA	Real Time PCR	Stuhl (1ml)	1d	
Carbapemenasen DNA	Real Time PCR	Kultur (1ml)	1d	Typ: VIM, OXA48, KPC, NDM1, IMP, OXA 23/24, OXA51
Chlamydia trachomatis-AK (IgA, IgG)	CLIA	Serum (1ml)	1d	
Chlamydia trachomatis-AK (IgA, IgG)	Immunoblot	Serum (1ml)	3d	
Chlamydia trachomatis DNA + LGV- Typisierung	Real Time PCR	Abstrich (1ml), Biopsie, BAL (1ml), Urin (1ml), Sputum (1ml), Rachenspülwasser (1ml), Trachealsekret (1ml), Punktat (1ml)	1d	inkl. Differenzierung in LGV und non LGV Stämme
Chlamydia pneumoniae AK (IgG und IgM)	CLIA	Serum (1ml)	1d	
Chlamydophila pneumoniae DNA	Real Time PCR	Abstrich (1ml), EDTA-Blut (1ml), BAL (1ml), Sputum (1ml), Rachenspülwasser (1ml), Trachealsekret (1ml)	1d	
Chlamydophila psittaci DNA	Real Time PCR	Abstrich (1ml), EDTA-Blut (1ml), BAL (1ml), Sputum (1ml), Rachenspülwasser (1ml), Trachealsekret (1ml)	1d	
Clostridium difficile DNA	Real Time PCR	Stuhl (1ml),	1d	
CMV-AK (IgG, IgM)	CLIA	Serum (1ml)	1d	

Analyse/Analyt	Methode(n)	Material	Dauer	Hintergrundinformation/Interpretation
CMV DNA	Real Time PCR	Serum (1ml), EDTA-DNA (1ml), Liquor (1ml), BAL (1ml), Punktat (1ml), Rachenspülwasser (1ml), Sputum (1ml), Trachealsekret (1ml), Abstrich (1ml), Biopsie, Stuhl (1ml), Urin (1ml)	1d	Humanes Herpes Virus 5 (HHV5)
CMV DNA Resistenztestung	PCR + Sequenzierung	EDTA-DNA (1ml)	5d	
Coronaviren RNA	Real Time PCR	Abstrich (1ml), BAL (1ml), Rachenspülwasser (1ml), Sputum (1ml), Trachealsekret (1ml)	1d	virale Atemwegsinfektion, erfasst OC43, 229E, HKU1, NL63
Coronavirus RNA (MERS)	Real Time PCR	Abstrich (1ml), BAL (1ml), Rachenspülwasser (1ml), Sputum (1ml), Trachealsekret (1ml)	1d	
Corynebakterium diphteriae Toxin DNA	Real Time PCR	Kultur (1ml)	1d	
Coxiella burnetii-AK (IgG, IgM)	EIA	Serum (1ml)	3d	Test erfasst IgG AK gegen Antigene der Phase I sowie IgG und IgM AK gegen Antigene der Phase II
Cryptococcus-Antigen	CFT	Liquor (1ml), Serum (1ml)	1d	
Cryptococcus neoformans/gattii DNA	Real Time PCR	Liquor (1ml), EDTA-Blut (1ml), BAL (1ml), Sputum (1ml), Trachealsekret (1ml)	1d	
Cryptosporidium hominis/parvum DNA	Real Time PCR	Stuhl (1ml)	1d	
Diphtherie- Toxin AK (IgG)	EIA	Serum (1ml)	3d	Impftiter
Diphtherie Toxin DNA	Real Time PCR	Kulturmaterial (1ml)	1d	
EBV-VCA IgM	CLIA	Serum (1ml)	1d	
EBV-VCA IgG	CLIA	Serum (1ml)	1d	
EBV-EBNA IgG	CLIA	Serum (1ml)	1d	
EBV- DNA	Real Time PCR	Serum (1ml), EDTA-Blut (1ml), Liquor (1ml) (1ml), Abstrich (1ml), Biopsie (1g), Rachenspülwasser (1ml), Trachealsekret (1ml)	1d	Humanes Herpes Virus 4 (HHV4)
Echinococcus-AK	EIA	Serum (1ml)	3d	
Enterovirus-RNA	Real Time PCR	Serum (1ml), EDTA-Blut (1ml), Liquor (1ml), Abstrich (1ml), Biopsie (1g), Stuhl (1ml), Rachenspülwasser (1ml), Trachealsekret (1ml)	1d	Gruppe A - D

Analyse/Analyt	Methode(n)	Material	Dauer	Hintergrundinformation/Interpretation
Escherichia coli (EAEC) DNA	Real Time PCR	Stuhl (1ml), Kultur (1ml)	1d	
Escherichia coli (ETEC) DNA	Real Time PCR	Stuhl (1ml), Kultur (1ml)	1d	
Escherichia coli (EIEC) /Shigella species DNA	Real Time PCR	Stuhl (1ml), Kultur (1ml)	1d	
Escherichia coli (STEC) DNA	Real Time PCR	Stuhl (1ml), Kultur (1ml)	1d	erfasst und differenziert SLT1 und SLT2 produzierende STEC Stämme
Entamoeba histolytica DANN	Real Time PCR	Stuhl (1ml)	1d	
FSME-Virus-AK (IgG, IgM)	EIA	Serum (1ml)	3d	
FSME-Virus-AK (IgG) Serum (1ml)/Liquor (1ml) Index	EIA	Liquor (1ml), Serum (1ml)	3d	
Giardia lamblia DNA	Real Time PCR	Stuhl (1ml)	1d	
Haemophilus influenzae DNA	Real Time PCR	Liquor (1ml), BAL (1mL), Sputum (1ml), Trachealsekret (1ml)	1d	
Helicobacter pylori-Antigen	EIA	Stuhl (1ml)	3d	
Hepatitis A-AK (IgG)	CLIA	Serum (1ml)	1d	
Hepatitis A-AK (IgM)	CLIA	Serum (1ml)	1d	
Hepatitis-A-Virus RNA	Real Time PCR	Stuhl (1ml), EDTA-Blut (1ml)	1d	
Hepatitis-B-Virus HBs-Antigen qualitativ	CLIA	Serum (1ml)	1d	
Hepatitis-B-Virus HBs-Antigen qualitativ Bestätigung	CLIA	Serum (1ml)	1d	
Hepatitis-B-Virus HBs-Antigen quantitativ	CLIA	Serum (1ml)	1d	
Hepatitis-B-Virus HBs-AK (IgG)	CLIA	Serum (1ml)	1d	
Hepatitis-B-Virus HBc-AK (IgG + IgM)	CLIA	Serum (1ml)	1d	
Hepatitis-B- Virus HBc- AK (IgM)	CLIA	Serum (1ml)	1d	
Hepatitis-B-Virus HBe- Antigen	CLIA	Serum (1ml)	1d	
Hepatitis-B-Virus HBe-AK (IgG)	CLIA	Serum (1ml)	1d	
HBV DNA	Real Time PCR	EDTA-Blut (2 ml), Biopsie (1g)	1d	

Analyse/Analyt	Methode(n)	Material	Dauer	Hintergrundinformation/Interpretation
HBV-Genotyp	PCR, Sequenzierung	EDTA Blut (2ml)	5d	bei positiver PCR erfolgt Erregeridentifizierung durch Sequenzierung
HBV-Resistenz	PCR, Sequenzierung	EDTA Blut (2 ml)	3-5d	genotyp. Resistenzanalyse bei positiver PCR
HCV-AK (IgG + IgM)	CLIA,	Serum (1ml)	1d	
HCV-AK (Bestätigung)	Immunoblot	Serum (1ml)	3-5d	
HCV RNA	Real Time PCR	EDTA-Blut (2 ml)	1d	
HCV-Genotyp	Real Time PCR, PCR + Sequenzierung	EDTA Blut (2 ml)	5d	
HCV- Resistenz (Protease, NS5A, Polymerase)	PCR + Sequenzierung	EDTA Blut (2 ml)	10d	
HDV-AK (IgG+IgM)	CLIA	Serum (1ml)	1d	
HDV RNA	Real Time PCR	EDTA-Blut (2 ml), Biopsie (1g)	1d	
HEV IgM AK	LFT	Serum (1ml)	1d	Schnelltest
HEV IgM und IgG AK	Immunoblot	Serum (1ml)	5d	
HEV RNA	Real Time PCR	Stuhl (1ml), EDTA-Blut (2 ml)	1d	
HHV 6 DNA	Real Time PCR	Serum (1ml), EDTA-Blut (1ml), Liquor (1ml), BAL (1mL), Sputum (1ml)	1d	Humanes Herpes Virus 6, Typ A und B
HHV 8 DNA	Real Time PCR	EDTA-Blut (1 ml), Biopsie (1g)	1d	Humanes Herpes Virus 8
HIV 1/2-AK/p24-Ag	CLIA	Serum (1ml)	1d	
HIV 1/2 IgG AK	Immunoblot	Serum (1ml)	2d	
HIV 1 RNA	Real Time PCR	EDTA-Blut (2 ml),Liquor (1ml)	1d	Humanes Immundefizienz Virus Typ 1
HIV 1-Resistenz (RT+ Protease)	PCR, Sequenzierung	EDTA-Blut (2 ml)	3- 10d	
HIV 1-Resistenz (Integrase)	PCR, Sequenzierung	EDT- Blut (2 ml)	3- 10d	
HIV 1-Tropismus (CCR5, CXCR4)	PCR, Sequenzierung	EDTA-Blut (2 ml)	3-10d	
HIV 2 RNA	Real Time PCR	EDTA Blut (2 ml), Liquor (1ml)	1-2d	
HPV-DNA + Typisierung	Real Time PCR	Abstrich (1ml), Biopsie (1g)	3-10d	Humanes Papillomavirus

Analyse/Analyt	Methode(n)	Material	Dauer	Hintergrundinformation/Interpretation
HSV 1-AK (IgG)	CLIA	Serum (1ml)	1d	
HSV 2 -AK (IgG)	CLIA	Serum (1ml)	1d	
HSV 1/2 (IgG) Serum /Liquor Index	EIA	Liquor (1ml), Serum (1ml)	3d	
HSV DNA Typ 1 u. 2	Real Time PCR,	Abstrich (1ml), BAL (1mL), Biopsie, EDTA-Blut (1ml), Liquor (1ml), Punktat (1ml), Rachenspülwasser (1ml), Serum (1ml), Sputum (1ml), Stuhl (1ml), Trachealsekret (1ml)	1d	(HSV1/HSV2)
HTLV I/II-AK	CLIA	Serum (1ml)	1d	
Influenzavirus A/B RNA	Real Time PCR	Abstrich (1ml), BAL (1mL), Rachenspülwasser (1ml), Sputum (1ml)	1d	Typ A, Typ B, H1N1
JC-Virus DNA	Real Time PCR	Serum (1ml), EDTA-Blut (1ml), Liquor (1ml), Urin (1ml)	1d	
Legionellen AG	LFA	Urin (1ml)	1d	Schnelltest
Legionella spez. DNA	Real Time PCR	Abstrich (1ml), BAL (1mL), Rachenspülwasser (1ml), Sputum (1ml), Trachealsekret (1ml)	1d	Wenn positiv Differenzierung zwischen L. spez und L. pneumophila
Leptospiren-AK (IgG, IgM)	EIA	Serum (1ml)	3d	
Listeria monocytogenes DNA	Real Time PCR	Liquor (1ml), Serum (1ml)	1d	
Masernvirus-AK (IgG, IgM)	CLIA	Serum (1ml)	1d	
Masernvirus-AK (IgG) Serum/Liquor Index	EIA	Liquor (1ml), Serum (1ml)	3d	
Masernvirus RNA	Real Time PCR	EDTA-Blut (1ml), Liquor (1ml), Konjunktival-Abstrich (1ml)	1d	
hMPV RNA	Real Time PCR	Abstrich (1ml), BAL (1mL), Rachenspülwasser (1ml), Sputum (1ml), Trachealsekret (1ml)	1d	Humanes Metapneumovirus hMPV
MRSA (mecA/mecC, ssc-orfX) DNA	Real Time PCR	Abstrich (1ml), Blutkultur (1ml)	1d	
MRSA (mecA/mecC) DNA	Real Time PCR	Kultur (1ml)	1d	

Analyse/Analyt	Methode(n)	Material	Dauer	Hintergrundinformation/Interpretation
Mucorales DNA	Real Time PCR	BAL (1mL), Gewebe, Liquor (1ml)		
Mumpsvirus-AK (IgG, IgM)	CLIA	Serum (1ml)	1d	
Mumpsvirus RNA	Real Time PCR	Serum (1ml), EDTA-Blut (1ml), Liquor (1ml), Abstrich (1ml)	1d	
Mycobacterium species DNA	PCR, Sequenzierung	Kultur	1-2d	Identifizierung nach Anzucht
Mycobacterium tuberculosis komplex DNA	Real Time PCR	Sputum (1ml), BAL (1mL), Magensaft (1ml), Urin (1ml), Liquor (1ml), Biopsie, gezielte Absaugung (1ml), Punktat (1ml), Stuhl (1ml)	1d	
Mycoplasma genitalium DNA	Real Time PCR	Abstrich (1ml), Kultur, Ejakulat, Urin (1ml)	1d	
Mycoplasma hominis DNA	Real Time PCR	Abstrich (1ml), Kultur, Ejakulat, Urin (1ml) (1ml)	1d	
Mycoplasma pneumoniae DNA	Real Time PCR	Abstrich (1ml), BAL (1ML), Rachenspülwasser (1ml), Sputum (1ml), Trachealsekret (1ml)	1d	
Mycoplasma pneumoniae-AK (IgG, IgM)	CLIA	Serum (1ml)	1d	
Neisseria gonorrhoeae DNA	Real Time PCR	Abstrich (1ml), Gewebe, Urin (1ml), Biopsie (1g)	1d	
Neisseria meningitidis DNA	Real Time PCR	Liquor (1ml)	1d	
Norovirus-RNA (GI/GII)	Real Time PCR	Stuhl (1ml)	1d	
Parainfluenzavirus RNA (1-4)	Real Time PCR	Abstrich (1ml), BAL (1mL), Rachenspülwasser (1ml), Sputum (1ml), Trachealsekret (1ml)	1d	Erfasst und Differenziert PIV 1-4
Parechoviren RNA	Real Time PCR	Abstrich (1ml), BAL (1mL), Rachenspülwasser (1ml), Sputum (1ml), Trachealsekret (1ml), EDTA-Blut (1ml)	1d	
Parvovirus B19 AK (IgG, IgM)	CLIA	Serum (1ml)	1d	
Parvovirus B19 DNA	Real Time PCR	EDTA-Blut (1ml), Liquor (1ml), Biopsie (1g), Punktat (1ml)	1d	

Analyse/Analyt	Methode(n)	Material	Dauer	Hintergrundinformation/Interpretation
Pneumocystis jirovecii DNA	Real Time PCR	Abstrich (1ml), BAL (1mL), Sputum (1ml), Trachealsekret (1ml)	1d	
QuantiFeron TB-Gold Test	Interferon-Gamma release assay	Spezialröhrchen, Heparinblut (5ml)	2d	Spezialröhrchen (4er Kombi)
Rhino/Enterovirus RNA	Real Time PCR	Abstrich (1ml), BAL (1mL), Rachenspülwasser (1ml), Sputum (1ml), Trachealsekret (1ml)	1d	
Rotavirus RNA	Real Time PCR	Stuhl (1ml)	1d	
Rötelnvirus-AK (IgG, IgM)	CLIA	Serum (1ml)	1d	
Rötelnvirus-AK (IgG) Serum /Liquor Index	EIA	Liquor (1ml), Serum (1ml)	3d	
Rötelnvirus RNA	Real Time PCR	EDTA-Blut (1ml), Liquor (1ml)	1d	
RSV RNA	Real Time PCR	Abstrich (1ml), BAL (1mL), Rachenspülwasser (1ml), Sputum (1ml), Trachealsekret (1ml)	1d	Respiratory Syncytial Virus
Sapovirus RNA	Real Time PCR	Stuhl (1ml)	1d	
Salmonella species DNA	Real Time PCR	Stuhl (1ml), Kultur (1ml)	1d	
SARS-CoV-2 AK (Nucleocapsid, Spike)	CLIA	Serum (1ml)	1d	
SARS-CoV-2	Real Time PCR	Abstrich (1ml), BAL (1mL), Rachenspülwasser (1ml), Sputum (1ml), Trachealsekret (1ml),Stuhl (1ml), EDTA-Blut (1ml)	1d	
Staphylococcus aureus DNA	Real Time PCR	Abstrich (1ml), BAL (1mL), Biopsie, Punktat (1ml), Sputum (1ml), Kultur (1ml)	1d	
Streptococcus pneumoniae DNA	Real Time PCR	Abstrich (1ml), BAL (1mL), Sputum (1ml), Rachenspülwasser (1ml), Trachealsekret (1ml), Liquor (1ml)	1d	
Tetanus- Toxin (IgG AK)	EIA	Serum (1ml)	3d	Impftiter
Toxoplasma gondii-AK (IgG, IgM)	CLIA	Serum (1ml)	1d	
Toxoplasma gondii-AK (IgG) Serum/Liquor Index	EIA	Liquor (1ml), Serum (1ml)	3d	

Toxoplasma gondii DNA	Real Time PCR	EDTA-Blut (1ml) , Liquor (1ml), Punktat (1ml)	1d	
Treponema pallidum Screening (IgG-AK, IgM)	CLIA	Serum (1ml)	1d	
Analyse/Analyt	Methode(n)	Material	Dauer	Hintergrundinformation/Interpretation
Treponema pallidum Bestätigung (IgG-AK, IgM)	Immunoblot	Serum (1ml)	3d	
Treponema pallidum (TPPA)	Agglutination	Liquor (1ml), Serum (1ml)	1d	
Treponema pallidum (VDRL)	Agglutination	Liquor (1ml), Serum (1ml)	1d	
Treponema pallidum DNA	Real Time PCR	Abstrich (1ml), Urin (1ml), Liquor (1ml)	1d	
Tropheryma whipplei DNA	Real Time PCR	Liquor (1ml), Biopsie, Stuhl (1ml), Urin (1ml)	1d	
Ureaplasma parvum DNA	Real Time PCR	Abstrich (1ml), BAL (1ml), Rachenspülwasser (1ml), Sputum (1ml), Trachealsekret (1ml), Ejakulat (1ml), Urin (1ml)	1d	
Ureaplasma urealyticum DNA	Real Time PCR	Abstrich (1ml), BAL (1ml), Rachenspülwasser (1ml), Sputum (1ml), Trachealsekret (1ml), Ejakulat (1ml), Urin (1ml)	1d	
Van A/B DNA	Real Time PCR	Stuhl (1ml), Anreicherungsbrühen (1ml), Kultur (1ml)	1d	
Vibrio spezies,	Real Time PCR	Stuhl (1ml), Kultur (1ml)	1d	
VZV-AK (IgG, IgM)	CLIA	Serum (1ml)	1d	
VZV-AK (IgG) Serum/LiquorIndex	EIA	Liquor (1ml), Serum (1ml)	3d	
VZV DNA	Real Time PCR	Abstrich (1ml), EDTA-Blut (1ml), BAL (1ml), Sputum (1ml), Liquor (1ml), Rachenspülwasser (1ml), Trachealsekret (1ml)	1d	Humanes Herpes Virus 3 (HHV3)
West Nile Virus RNA	Real Time PCR	Serum (1ml), EDTA-Blut (1ml), Liquor (1ml)	1d	
Yersinia enterocolitica	Real Time PCR	Stuhl (1ml), Kultur (1ml)	1d	
Yersinia pseudotuberculosis	Real Time PCR	Stuhl (1ml), Kultur (1ml)	1d	

Yersinien-AK (IgG/IgA/IgM)	Immunoblot	Serum (1ml)	1-5d	Yersiniose, reA erfasst AK gegen <i>Y. enterocolitica</i> und <i>Y. pseudotuberculosis</i>
----------------------------	------------	-------------	------	--