

Ringversuch: **DS2/19**
im Monat: **Mai 2019**
Teilnehmer-Nr.: **0003458**
ausgestellt am: **25.05.19**



Referenzinstitut für Bioanalytik



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Ringversuchsleiter

Prof. Dr. C. Knabbe
Prof. Dr. Dr. K.P. Kohse
Prof. Dr. M. Neumaier

Leitung RfB

Dr. W. J. Geilenkeuser
Dr. A. Kessler

Zertifikat

I. Screening (immunologisch)

Als 'richtig' bewertete Befunde in Probe A und B wurden erhoben für:

- Amphetamin u. ä.
- Barbiturate
- Benzodiazepine
- Cannabinoide
- Cocain + Metabolite
- Methadon + Metabolite
- Opiate
- 6-Acetylmorphin
- Phencyclidin u. Metab.
- Tricycl. Antidepressiva
- Buprenorphin
- Fentanyl
- Tramadol
- Metamphetamin
- Oxycodon

Bonn, 18. Juni 2019

Dieses Zertifikat ist gültig bis einschließlich November 2019.

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Teilnahmebescheinigung

Wir bestätigen Ihnen, dass Sie am Ringversuch für Drogenscreening im Urin teilgenommen haben.

Die von Ihnen erhobenen Befunde und deren Bewertung sind nachfolgend aufgeführt:

(• = richtig, f = falsch, ? = fehlend, # = falsch positiv)

Bonn, 18. Juni 2019

I. Screening (immunologisch)

	Probe A		Probe B	
	Befund	Bewertung	Befund	Bewertung
- Amphetamin u. ä.	+	•	-	•
- Barbiturate	-	•	-	•
- Benzodiazepine	+	•	+	•
- Cannabinoide	-	•	+	•
- Cocain + Metabolite	-	•	+	•
- Methadon + Metabolite	-	•	-	•
- Opiate	-	•	-	•
- 6-Acetylmorphin	-	•	-	•
- Phencyclidin u. Metab.	-	•	-	•
- Tricycl. Antidepressiva	-	•	-	•
- Buprenorphin	-	•	-	•
- Fentanyl	-	•	-	•
- Tramadol	-	•	-	•
- Metamphetamin	-	•	-	•
- Oxycodon	-	•	-	•

Drogenscreening DS2/19 - Konzentration der Drogen nach Rekonstitution gem. Einwaage

Probe A				Probe B			
Amphetamin (101)		1500 µg/l		Tetrazepam (343)		1000 µg/l	
Lorazepam (328)		2000 µg/l		THC-Carbonsäure (409)		100 µg/l	
Methaqualon und Metabolite (801)		500 µg/l		Benzoyllecgonin (BZE) (501)		1000 µg/l	

Immunoassay Amphetamin u. ä.

Meth.	Herst.	N	n-	Probe A +		Probe B -		n+	Meth.	Herst.	N	n-	Probe A +		Probe B -		n+	
				n+	n-	n+	n-						n+	n-				
11	2	1	0		1	1		0	111	122	3	0	3	3		0		
11	19	3	0		3	3		0	111	125	19	0	19	19		0		
11	28	1	0		1	1		0	111	129	1	0	1	1		0		
11	52	1	0		1	1		0	111	130	21	0	21	20		1		
11	78	9	1		8	9		0	111	151	87	0	87	86		1		
11	99	7	0		7	7		0	111	161	3	0	3	3		0		
11	102	7	1		6	7		0	111	173	52	3	49	52		0		
11	109	2	0		2	2		0	111	230	4	0	4	3		1		
11	121	2	0		2	2		0	112	2	3	0	3	3		0		
11	122	1	0		1	1		0	112	19	4	0	4	4		0		
11	125	1	0		1	1		0	112	34	1	0	1	1		0		
11	130	3	0		3	3		0	112	38	1	0	1	1		0		
11	151	58	0		58	58		0	112	40	1	1	0	1	1	0		
11	161	3	0		3	3		0	112	78	8	0	8	8		0		
11	173	13	0		13	13		0	112	99	7	0	7	7		0		
11	230	1	0		1	1		0	112	102	2	0	2	2		0		
12	4	17	0		17	17		0	112	109	2	0	2	2		0		
12	13	3	0		3	3		0	112	121	1	0	1	1		0		
12	28	3	0		3	3		0	112	122	2	0	2	2		0		
12	30	73	1		72	73		0	112	125	4	0	4	4		0		
12	38	28	0		28	27		1	112	130	8	0	8	8		0		
12	40	7	0		7	7		0	112	151	14	0	14	14		0		
12	43	1	0		1	1		0	112	161	1	0	1	1		0		
12	52	1	0		1	1		0	112	170	3	0	3	3		0		
12	72	1	0		1	1		0	112	173	9	0	9	9		0		
12	99	1	0		1	1		0	121	13	1	0	1	1		0		
12	121	2	0		2	2		0	121	28	2	0	2	2		0		
12	126	51	0		51	51		0	121	30	2	0	2	2		0		
12	128	1	0		1	1		0	121	38	2	0	2	2		0		
12	228	5	0		5	5		0	121	40	1	0	1	1		0		
12	328	3	0		3	3		0	121	99	1	0	1	1		0		
14	28	1	0		1	1		0	121	102	1	0	1	1		0		
14	99	3	0		3	3		0	121	121	6	0	6	6		0		
111	2	39	0		39	38		0	121	126	1	0	1	1		0		
111	19	8	0		8	8		0	121	129	1	0	1	1		0		
111	28	1	0		1	1		0	121	130	2	0	2	2		0		
111	30	2	0		2	2		0	121	151	1	0	1	1		0		
111	34	1	0		1	1		0	121	158	2	0	2	2		0		
111	35	1	0		1	1		0	121	228	1	0	1	1		0		
111	40	3	0		3	3		0	121	328	3	0	3	3		0		
111	50	1	0		1	1		0	122	30	1	0	1	1		0		
111	70	1	0		1	1		0	122	38	1	0	1	1		0		
111	78	47	0		47	47		0	122	70	1	0	1	1		0		
111	99	33	1		32	33		0	122	151	1	0	1	1		0		
111	102	8	0		8	8		0	141	99	3	0	3	3		0		
111	109	8	0		8	8		0	142	99	1	0	1	1		0		
111	121	4	0		4	4		0										
									insgesamt	766	8			758	762			2

Immunoassay Barbiturate

Meth.	Herst.	N	Probe A -		Probe B -		Meth.	Herst.	N	Probe A -		Probe B -					
			n-	n+	n-	n+				n-	n+	n-	n+				
11	2	42	42	0	42	0	12	13	4	4	0	4	0				
11	19	14	14	0	14	0	12	28	1	1	0	1	0				
11	28	2	2	0	2	0	12	30	62	62	0	62	0				
11	34	3	3	0	3	0	12	38	26	26	0	26	0				
11	40	4	3	1	4	0	12	40	6	6	0	6	0				
11	50	1	1	0	1	0	12	43	1	1	0	1	0				
11	52	1	1	0	1	0	12	70	1	1	0	1	0				
11	70	1	1	0	1	0	12	72	1	1	0	1	0				
11	78	62	62	0	62	0	12	99	2	2	0	2	0				
11	99	44	44	0	44	0	12	102	1	1	0	1	0				
11	102	15	15	0	15	0	12	121	8	8	0	8	0				
11	109	11	11	0	11	0	12	125	1	1	0	1	0				
11	121	7	7	0	7	0	12	126	27	27	0	27	0				
11	122	6	6	0	6	0	12	129	1	1	0	1	0				
11	125	21	21	0	21	0	12	130	2	2	0	2	0				
11	129	1	1	0	1	0	12	151	3	3	0	3	0				
11	130	32	32	0	32	0	12	158	2	2	0	2	0				
11	151	135	135	0	135	0	12	228	5	5	0	5	0				
11	161	6	6	0	6	0	12	328	5	5	0	5	0				
11	170	3	3	0	3	0	14	28	1	1	0	1	0				
11	173	62	62	0	62	0	14	30	1	1	0	1	0				
11	230	4	4	0	4	0	14	99	7	7	0	7	0				
12	4	15	15	0	15	0	insgesamt						660	659	1	660	0

Immunoassay Benzodiazepine

Meth.	Herst.	N	Probe A +		Probe B +		Meth.	Herst.	N	Probe A +		Probe B +					
			n-	n+	n-	n+				n-	n+	n-	n+				
11	2	44	1	43	0	44	12	13	4	0	4	0	4				
11	19	15	0	15	0	15	12	28	3	0	3	0	3				
11	28	2	0	2	0	2	12	30	77	0	77	0	77				
11	34	3	0	3	0	3	12	38	32	0	32	0	32				
11	40	4	1	3	1	3	12	40	8	0	8	0	8				
11	50	1	0	1	0	1	12	43	1	0	1	0	1				
11	52	1	0	1	0	1	12	70	1	0	1	1	0				
11	70	1	0	1	1	0	12	72	1	0	1	0	1				
11	78	65	1	64	0	65	12	99	3	0	3	0	3				
11	99	46	1	45	0	46	12	102	1	0	1	0	1				
11	102	15	0	15	0	15	12	121	8	0	8	7	1				
11	109	16	0	16	1	15	12	126	50	1	49	0	50				
11	121	7	0	7	1	6	12	128	1	0	1	0	1				
11	122	5	0	5	0	5	12	129	1	0	1	0	1				
11	125	22	0	22	0	22	12	130	2	0	2	2	0				
11	129	1	0	1	0	1	12	151	2	0	2	0	2				
11	130	34	1	33	4	30	12	158	4	0	4	1	3				
11	151	163	13	150	1	162	12	228	6	0	6	0	6				
11	161	7	0	7	0	7	12	328	7	0	7	0	7				
11	170	3	0	3	0	3	14	28	1	0	1	0	1				
11	173	75	1	74	1	74	14	30	1	0	1	0	1				
11	230	5	0	5	0	5	14	99	6	1	5	0	6				
12	4	17	2	15	0	17	insgesamt						771	23	748	21	750

Immunoassay Cannabinoide

Meth.	Herst.	N	Probe A -		Probe B +		n+	n-	n+	n-	n+	n-
			n-	n+	n-	n+						
11	2	44	44	0	0	44						
11	19	15	15	0	1	14						
11	28	2	2	0	0	2						
11	34	3	3	0	0	3						
11	40	4	4	0	0	4						
11	50	1	1	0	0	1						
11	52	1	1	0	0	1						
11	70	1	1	0	0	1						
11	78	64	64	0	2	62						
11	99	48	48	0	0	48						
11	102	19	19	0	0	19						
11	109	16	16	0	0	16						
11	121	7	7	0	0	7						
11	122	6	6	0	0	6						
11	125	24	24	0	1	23						
11	129	1	1	0	0	1						
11	130	34	34	0	0	34						
11	151	164	163	1	2	162						
11	161	8	8	0	1	7						
11	170	3	3	0	1	2						
11	173	75	75	0	3	72						
11	230	6	5	1	0	6						
12	4	18	18	0	0	18						
insgesamt			785	785	0	12						

Immunoassay Cocain + Metabolite

Meth.	Herst.	N	Probe A -		Probe B +		n+	n-	n+	n-	n+	n-
			n-	n+	n-	n+						
11	2	44	44	0	0	44						
11	19	15	15	0	0	15						
11	28	2	2	0	0	2						
11	34	3	3	0	0	3						
11	40	4	4	0	0	4						
11	50	1	1	0	0	1						
11	52	1	1	0	0	1						
11	70	1	1	0	0	1						
11	78	66	66	0	1	65						
11	99	48	48	0	0	48						
11	102	17	17	0	0	17						
11	109	16	16	0	0	16						
11	121	7	7	0	0	7						
11	122	6	6	0	0	6						
11	125	24	24	0	0	24						
11	129	1	1	0	0	1						
11	130	33	33	0	0	33						
11	151	162	161	1	2	160						
11	161	8	8	0	0	8						
11	170	3	3	0	0	3						
11	173	75	75	0	0	75						
11	230	6	5	1	0	6						
12	4	19	19	0	0	19						
insgesamt			774	774	0	5						

Immunoassay LSD + Metabolite

Meth.	Herst.	N	Probe A -		Probe B -		n+	n-	n+	n-	n+	n-
			n-	n+	n-	n+						
11	72	1	1	0	1	0						
11	99	2	2	0	2	0						
11	102	2	2	0	2	0						
11	151	2	2	0	2	0						
11	173	2	2	0	2	0						
12	28	1	1	0	1	0						
12	30	4	4	0	4	0						
insgesamt			30	30	0	30						

Immunoassay Opiate

Probe A -					Probe B -										
Meth.	Herst.	N	n-	n+	n-	n+	Meth.	Herst.	N	n-	n+	n-	n+		
11	2	1	1	0	1	0	113	50	1	1	0	1	0		
11	19	9	9	0	9	0	113	70	1	1	0	1	0		
11	28	2	2	0	2	0	113	78	44	44	0	44	0		
11	34	2	2	0	2	0	113	99	35	35	0	35	0		
11	40	4	4	0	4	0	113	102	13	13	0	13	0		
11	52	1	1	0	1	0	113	109	10	10	0	10	0		
11	78	20	20	0	20	0	113	121	3	3	0	3	0		
11	99	12	12	0	12	0	113	122	3	3	0	3	0		
11	102	6	6	0	6	0	113	125	23	23	0	23	0		
11	109	6	6	0	6	0	113	129	1	1	0	1	0		
11	121	4	4	0	4	0	113	130	31	31	0	31	0		
11	122	3	3	0	3	0	113	151	149	149	0	149	0		
11	125	1	1	0	1	0	113	161	5	5	0	5	0		
11	130	3	3	0	3	0	113	170	3	3	0	3	0		
11	151	14	14	0	14	0	113	173	58	58	0	58	0		
11	161	4	4	0	4	0	113	230	2	2	0	2	0		
11	173	17	17	0	17	0	123	4	17	17	0	17	0		
11	230	4	3	1	3	1	123	13	3	3	0	3	0		
12	4	2	2	0	2	0	123	28	1	1	0	1	0		
12	13	1	1	0	1	0	123	30	62	62	0	62	0		
12	28	4	4	0	4	0	123	38	28	28	0	28	0		
12	30	14	14	0	14	0	123	40	6	6	0	6	0		
12	38	4	4	0	4	0	123	72	1	1	0	1	0		
12	40	2	2	0	2	0	123	99	1	1	0	1	0		
12	43	1	1	0	1	0	123	102	1	1	0	1	0		
12	70	1	1	0	1	0	123	121	5	5	0	5	0		
12	99	1	1	0	1	0	123	126	38	38	0	38	0		
12	121	2	2	0	2	0	123	128	1	1	0	1	0		
12	123	1	1	0	1	0	123	129	1	1	0	1	0		
12	126	12	12	0	12	0	123	130	2	2	0	2	0		
12	151	2	2	0	2	0	123	151	1	1	0	1	0		
12	228	3	3	0	3	0	123	158	4	4	0	4	0		
12	328	2	2	0	2	0	123	228	3	3	0	3	0		
14	28	1	1	0	1	0	123	328	4	4	0	4	0		
14	99	3	3	0	3	0	143	30	2	2	0	2	0		
113	2	43	43	0	43	0	143	99	5	5	0	5	0		
113	19	5	5	0	5	0	insgesamt 785 785						0	785	0
113	34	1	1	0	1	0									

Immunoassay 6-Acetylmorphin

Probe A -					Probe B -										
Meth.	Herst.	N	n-	n+	n-	n+	Meth.	Herst.	N	n-	n+	n-	n+		
11	28	1	1	0	1	0	12	38	4	4	0	4	0		
11	102	2	2	0	2	0	12	40	1	1	0	1	0		
11	122	1	1	0	1	0	12	126	14	14	0	14	0		
11	151	2	2	0	2	0	12	158	5	5	0	5	0		
11	170	1	1	0	1	0	14	99	2	2	0	2	0		
12	30	1	1	0	1	0	insgesamt 34 34						0	34	0

Immunoassay Phencyclidin u. Metab.

Probe A -						Probe B -										
Meth.	Herst.	N	n-	n+		Meth.	Herst.	N	n-	n+						
11	2	25	25	0	25	11	230	1	1	0	1	0				
11	28	1	1	0	1	12	4	1	1	0	1	0				
11	34	3	3	0	3	12	13	2	2	0	2	0				
11	40	4	4	0	4	12	28	1	1	0	1	0				
11	50	1	1	0	1	12	30	9	9	0	9	0				
11	78	1	1	0	1	12	38	4	4	0	4	0				
11	99	9	9	0	9	12	40	1	1	0	1	0				
11	102	5	5	0	5	12	70	1	1	0	1	0				
11	109	2	2	0	2	12	121	8	8	0	8	0				
11	122	3	3	0	3	12	126	6	6	0	6	0				
11	125	1	1	0	1	12	130	1	1	0	1	0				
11	130	4	4	0	4	12	328	2	2	0	2	0				
11	151	18	18	0	18	14	28	1	1	0	1	0				
11	161	4	4	0	4	14	99	2	2	0	2	0				
11	170	1	1	0	1	insgesamt						129	129	0	129	0
11	173	7	7	0	7											

Immunoassay Propoxyphen u. Metab.

Probe A -						Probe B -										
Meth.	Herst.	N	n-	n+		Meth.	Herst.	N	n-	n+						
11	102	3	3	0	3	12	30	3	3	0	3	0				
11	122	1	1	0	1	12	126	3	3	0	3	0				
11	125	1	1	0	1	insgesamt						14	14	0	14	0
11	151	3	3	0	3											

Immunoassay Tricycl. Antidepressiva

Probe A -						Probe B -										
Meth.	Herst.	N	n-	n+		Meth.	Herst.	N	n-	n+						
11	1	1	1	0	1	11	173	62	62	0	62	0				
11	2	39	39	0	39	11	230	4	4	0	4	0				
11	19	14	14	0	14	12	4	3	3	0	3	0				
11	28	2	2	0	2	12	28	2	2	0	2	0				
11	34	3	3	0	3	12	30	1	1	0	0	1				
11	40	4	4	0	4	12	38	3	3	0	3	0				
11	50	1	1	0	1	12	70	1	1	0	1	0				
11	70	1	1	0	1	12	72	1	1	0	1	0				
11	78	65	65	0	64	12	99	3	3	0	3	0				
11	99	46	45	1	45	12	102	1	1	0	1	0				
11	102	16	16	0	16	12	121	7	7	0	7	0				
11	109	11	11	0	11	12	126	16	16	0	16	0				
11	121	9	9	0	9	12	129	1	1	0	1	0				
11	122	6	6	0	6	12	130	2	2	0	2	0				
11	125	25	25	0	25	12	151	2	2	0	2	0				
11	130	33	33	0	33	12	228	1	1	0	1	0				
11	151	136	136	0	136	14	28	1	1	0	1	0				
11	161	3	3	0	3	14	99	7	7	0	7	0				
11	170	3	3	0	3	insgesamt						536	535	1	532	4

Immunoassay Buprenorphin

Meth.	Herst.	N	Probe A -		Probe B -		n+
			n-	n+	n-	n+	
11	2	2	2	0	2	0	0
11	34	1	1	0	1	0	0
11	52	1	1	0	1	0	0
11	78	12	12	0	12	0	0
11	99	6	6	0	6	0	0
11	102	6	5	1	6	0	0
11	109	9	9	0	9	0	0
11	121	2	2	0	2	0	0
11	122	4	4	0	4	0	0
11	125	2	2	0	2	0	0
11	129	1	1	0	1	0	0
11	130	3	3	0	3	0	0
11	151	85	85	0	84	0	0
11	161	3	3	0	3	0	0
11	170	3	3	0	3	0	0
11	173	38	38	0	38	0	0
insgesamt			266	265	1	265	0

Meth.	Herst.	N	Probe A -		Probe B -		n+
			n-	n+	n-	n+	
11	230	1	0	1	0	1	0
12	4	2	2	0	2	0	0
12	28	1	1	0	1	0	0
12	30	7	7	0	7	0	0
12	38	5	5	0	5	0	0
12	40	4	4	0	4	0	0
12	43	1	1	0	1	0	0
12	99	6	6	0	6	0	0
12	126	46	46	0	46	0	0
12	130	2	2	0	2	0	0
12	151	3	3	0	3	0	0
12	158	8	8	0	8	0	0
12	228	1	1	0	1	0	0
12	328	1	1	0	1	0	0
14	99	1	1	0	1	0	0
insgesamt			266	265	1	265	0

Immunoassay Fentanyl

Meth.	Herst.	N	Probe A -		Probe B -		n+
			n-	n+	n-	n+	
11	99	1	1	0	1	0	0
11	102	1	1	0	1	0	0
11	122	1	1	0	1	0	0
11	125	1	1	0	1	0	0
11	151	10	10	0	10	0	0
11	161	2	2	0	2	0	0
11	170	1	1	0	1	0	0
11	173	2	2	0	2	0	0
11	230	1	0	1	0	1	1
insgesamt			33	33	0	33	0

Meth.	Herst.	N	Probe A -		Probe B -		n+
			n-	n+	n-	n+	
12	30	1	1	0	1	0	0
12	99	2	2	0	2	0	0
12	126	5	5	0	5	0	0
12	130	1	1	0	1	0	0
12	151	1	1	0	1	0	0
12	158	2	2	0	2	0	0
14	99	2	2	0	2	0	0
insgesamt			33	33	0	33	0

Immunoassay Tramadol

Meth.	Herst.	N	Probe A -		Probe B -		n+
			n-	n+	n-	n+	
11	99	2	2	0	2	0	0
11	102	2	2	0	2	0	0
11	122	1	1	0	1	0	0
11	125	2	2	0	2	0	0
11	126	1	1	0	1	0	0
11	151	9	9	0	9	0	0
11	161	2	2	0	2	0	0
11	170	1	1	0	1	0	0
insgesamt			36	36	0	36	0

Meth.	Herst.	N	Probe A -		Probe B -		n+
			n-	n+	n-	n+	
11	173	7	7	0	7	0	0
11	230	1	0	1	0	1	1
12	99	2	2	0	2	0	0
12	126	2	2	0	2	0	0
12	130	1	1	0	1	0	0
12	158	2	2	0	2	0	0
14	99	2	2	0	2	0	0
insgesamt			36	36	0	36	0

Immunoassay Metamphetamin

Meth.	Herst.	N	Probe A -			Probe B -			Meth.	Herst.	N	Probe A -			Probe B -		
			n-	n+	n-	n+	n-	n+				n-	n+	n-	n+		
11	2	42	42	0	42	0	11	173	69	69	0	69	0				
11	19	15	14	1	15	0	11	230	5	4	1	4	1				
11	28	2	2	0	2	0	12	30	2	1	1	2	0				
11	34	2	2	0	2	0	12	40	1	1	0	1	0				
11	40	4	3	1	4	0	12	43	1	1	0	1	0				
11	50	1	1	0	1	0	12	70	1	1	0	1	0				
11	52	1	1	0	1	0	12	99	3	3	0	3	0				
11	78	65	65	0	65	0	12	102	1	1	0	1	0				
11	99	49	49	0	49	0	12	121	8	8	0	8	0				
11	102	16	16	0	16	0	12	126	4	2	2	4	0				
11	109	17	17	0	17	0	12	129	1	1	0	1	0				
11	121	6	6	0	6	0	12	130	2	2	0	2	0				
11	122	6	6	0	6	0	12	151	2	2	0	2	0				
11	125	24	24	0	24	0	12	158	3	3	0	3	0				
11	129	1	1	0	1	0	12	228	1	1	0	1	0				
11	130	31	31	0	31	0	12	328	1	1	0	1	0				
11	151	139	139	0	139	0	14	28	1	1	0	1	0				
11	161	4	4	0	4	0	14	99	8	8	0	8	0				
11	170	3	3	0	3	0	insgesamt						541	536	5	541	0

Immunoassay Oxycodon

Meth.	Herst.	N	Probe A -			Probe B -			Meth.	Herst.	N	Probe A -			Probe B -		
			n-	n+	n-	n+	n-	n+				n-	n+				
11	2	24	24	0	24	0	11	173	5	5	0	5	0				
11	52	1	1	0	1	0	12	30	2	2	0	2	0				
11	78	1	1	0	1	0	12	99	1	1	0	1	0				
11	99	1	1	0	1	0	12	123	1	1	0	1	0				
11	102	2	2	0	2	0	12	126	3	3	0	3	0				
11	122	1	1	0	1	0	12	158	1	1	0	1	0				
11	125	1	1	0	1	0	14	99	2	2	0	2	0				
11	151	7	7	0	7	0	insgesamt						54	54	0	54	0
11	170	1	1	0	1	0											