

Ringversuch: DS3/23
im Monat: August 2023
Teilnehmer-Nr.: 0003458
ausgestellt am: 05.08.23



Referenzinstitut für Bioanalytik

LFM Diagnostika
Franz Lukas
Spessartstr. 9
97082 Würzburg



Ringversuchsleiter

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

Leitung RfB

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
- Methylphenidat
- Opiate
- 6-Acetylmorphin
- Phencyclidin u. Metab.
- Pregabalin
- Tricycl. Antidepressiva
- Buprenorphin
- Fentanyl
- Tramadol
- Methamphetamin
- Oxycodon

Bonn, 29. August 2023

C. Knabbe *A. Kessler* *Anna Bode*

Dieses Zertifikat ist gemäss aktueller Version der RiliBÄK gültig bis einschließlich Februar 2024.

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Teilnahmebescheinigung

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

Bonn, 29. August 2023

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

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

I. Screening (immunologisch)

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

C. Knabbe

A. Kessler

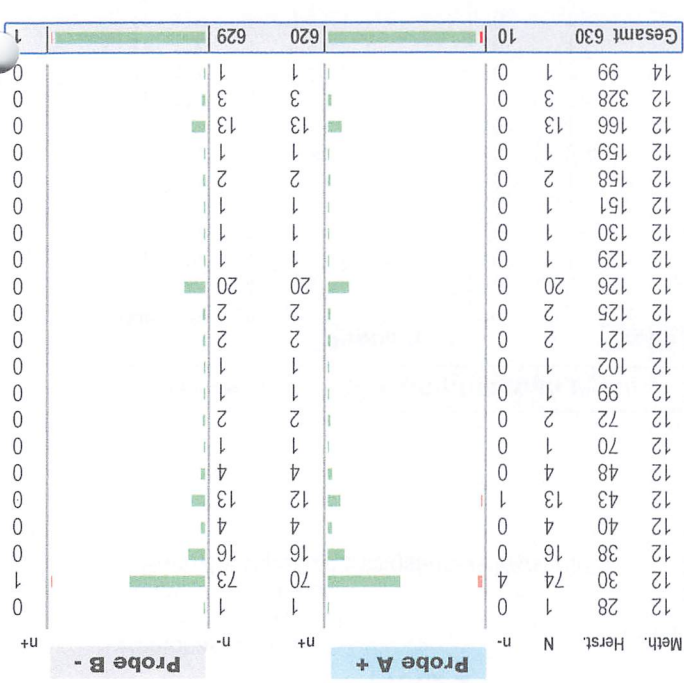
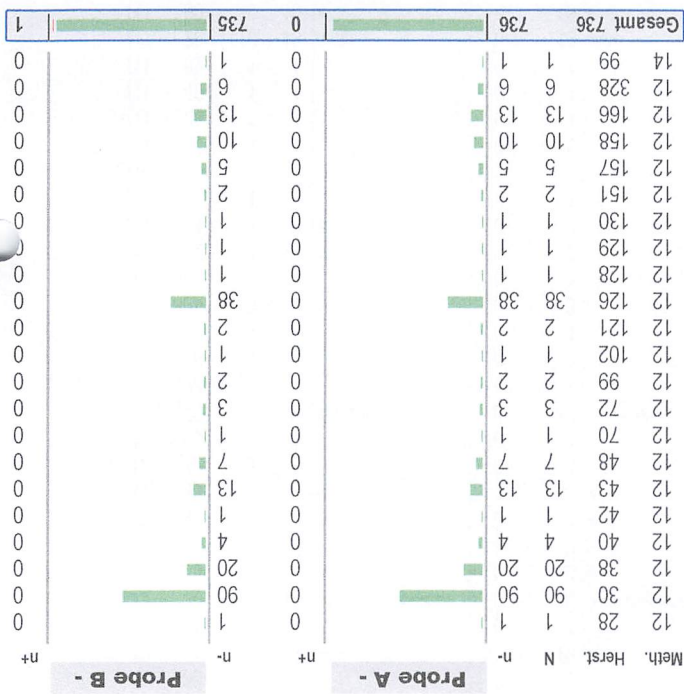
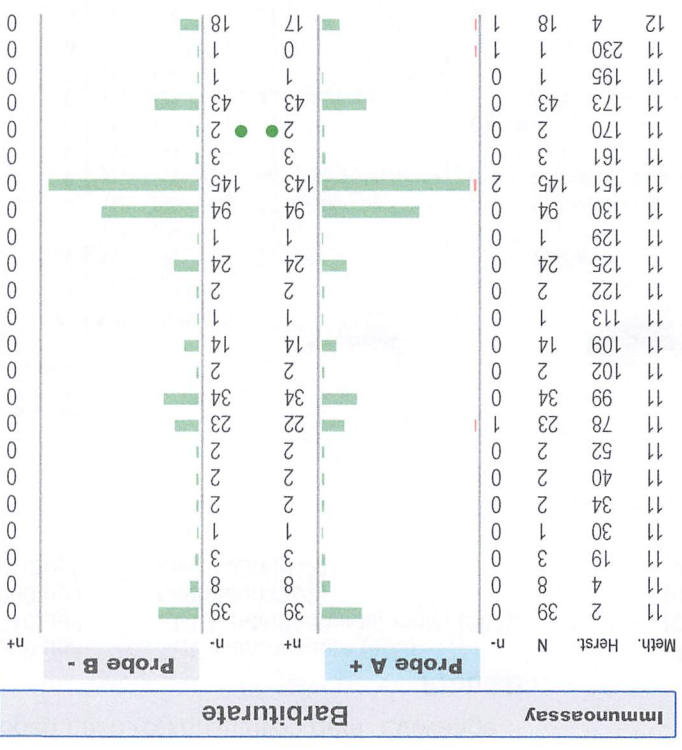
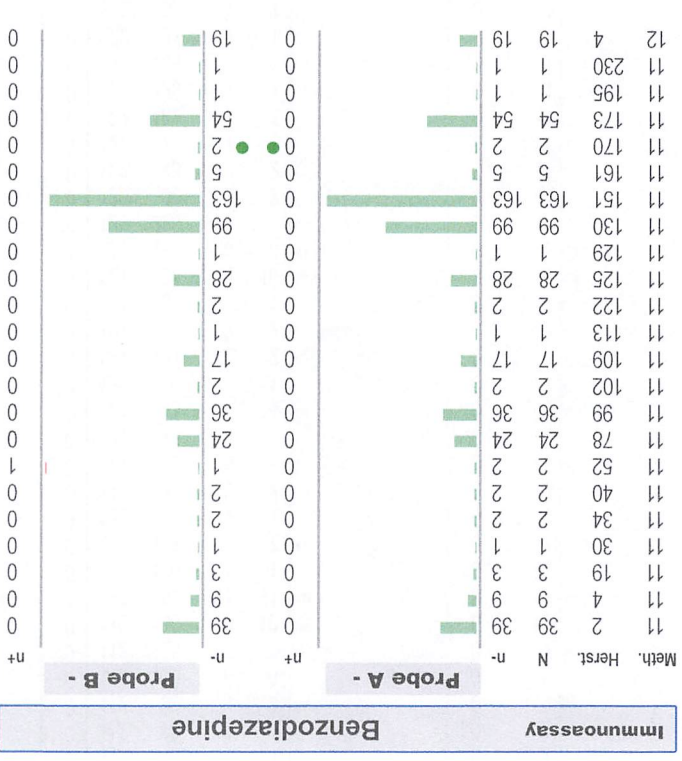
Anna Bode

Drogenscreening DS3/23 - Konzentration der Drogen nach Rekonstitution gem. Einwaage

Probe A					Probe B			
Pentobarbital (224)		1000 µg/l			THC-Carbonsäure (409)		100 µg/l	
LSD + Metabolit (601)		10 µg/l			EDDP (Methadonmetabolit) (701)		1000 µg/l	
Methylphenidat (801)		3000 µg/l			Methadon (702)		1000 µg/l	
2-Phenyl-2-Piperidyl-Essigsäure (PPAA) (802)		3000 µg/l			Oxycodon (918)		750 µg/l	

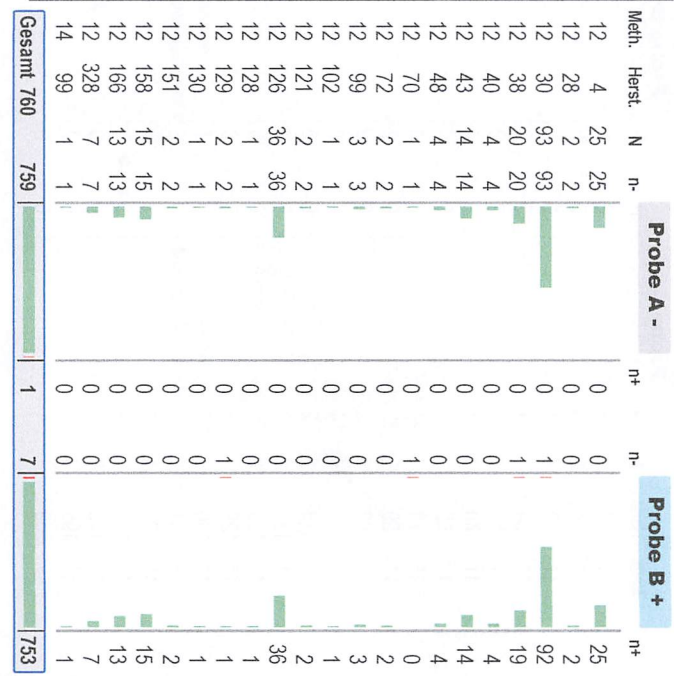
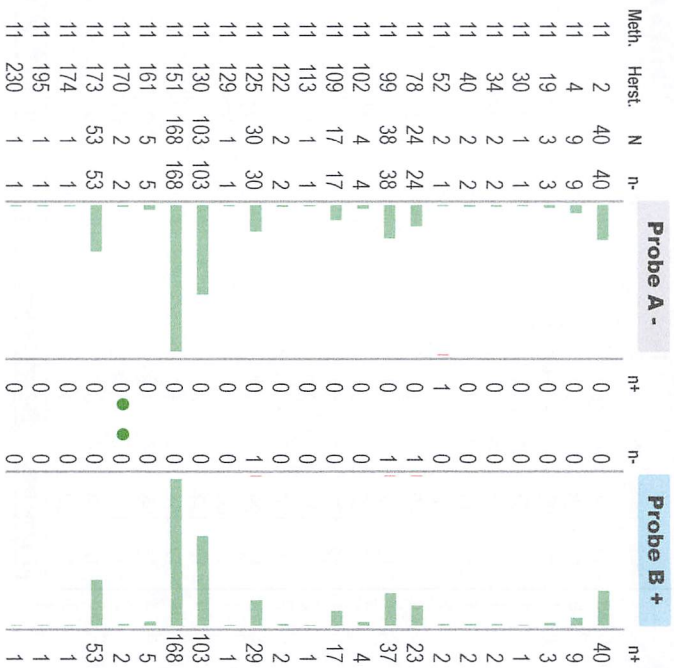
Immunoassay Amphetamin u. ä.															
				Probe A -				Probe B -							
Meth.	Herst.	N	n-	n+	n-	n+	Meth.	Herst.	N	n-	n+	n-	n+		
11	2	4	4	0	3	1	111	122	1	1	0	1	0		
11	19	1	1	0	1	0	111	125	21	21	0	21	0		
11	30	1	1	0	1	0	111	129	1	1	0	1	0		
11	52	1	1	0	1	0	111	130	66	66	0	66	0		
11	78	1	1	0	1	0	111	151	94	94	0	94	0		
11	99	9	9	0	9	0	111	161	1	1	0	1	0		
11	102	1	1	0	1	0	111	170	1	1	0	1	0		
11	109	3	3	0	3	0	111	173	43	43	0	43	0		
11	113	1	1	0	1	0	111	195	1	1	0	1	0		
11	122	1	1	0	1	0	112	2	7	7	0	7	0		
11	125	1	1	0	1	0	112	4	1	1	0	1	0		
11	130	21	21	0	21	0	112	19	1	1	0	1	0		
11	151	60	59	1	60	0	112	40	1	1	0	1	0		
11	161	2	2	0	2	0	112	78	4	4	0	4	0		
11	173	5	5	0	5	0	112	99	9	9	0	9	0		
11	230	1	1	0	1	0	112	109	6	6	0	6	0		
12	4	19	19	0	19	0	112	125	7	7	0	7	0		
12	28	1	1	0	1	0	112	130	10	10	0	10	0		
12	30	87	87	0	86	1	112	151	11	11	0	11	0		
12	38	16	16	0	16	0	112	170	1	1	0	1	0		
12	40	2	2	0	2	0	112	173	7	7	0	7	0		
12	43	7	7	0	7	0	121	4	1	1	0	1	0		
12	48	6	6	0	6	0	121	30	2	2	0	2	0		
12	72	3	3	0	3	0	121	38	5	5	0	5	0		
12	99	1	1	0	1	0	121	40	2	2	0	2	0		
12	126	40	40	0	40	0	121	43	4	4	0	4	0		
12	128	1	1	0	1	0	121	99	1	1	0	1	0		
12	158	1	1	0	1	0	121	121	2	2	0	2	0		
12	166	4	4	0	4	0	121	126	2	2	0	2	0		
12	328	3	3	0	3	0	121	151	1	1	0	1	0		
14	99	1	1	0	1	0	121	158	10	10	0	10	0		
111	2	28	28	0	27	1	121	166	8	8	0	8	0		
111	4	8	8	0	8	0	121	328	2	2	0	2	0		
111	19	1	1	0	1	0	122	30	2	2	0	2	0		
111	30	1	1	0	1	0	122	43	2	2	0	2	0		
111	34	1	1	0	1	0	122	70	1	1	0	1	0		
111	35	1	1	0	1	0	122	102	1	1	0	1	0		
111	40	1	1	0	1	0	122	129	1	1	0	1	0		
111	52	1	1	0	1	0	122	130	1	1	0	1	0		
111	78	19	19	0	19	0	122	151	1	1	0	1	0		
111	99	19	19	0	19	0	122	158	1	1	0	1	0		
111	102	2	2	0	2	0	122	166	1	1	0	1	0		
111	109	4	4	0	4	0									
Gesamt 736				735					1	733					

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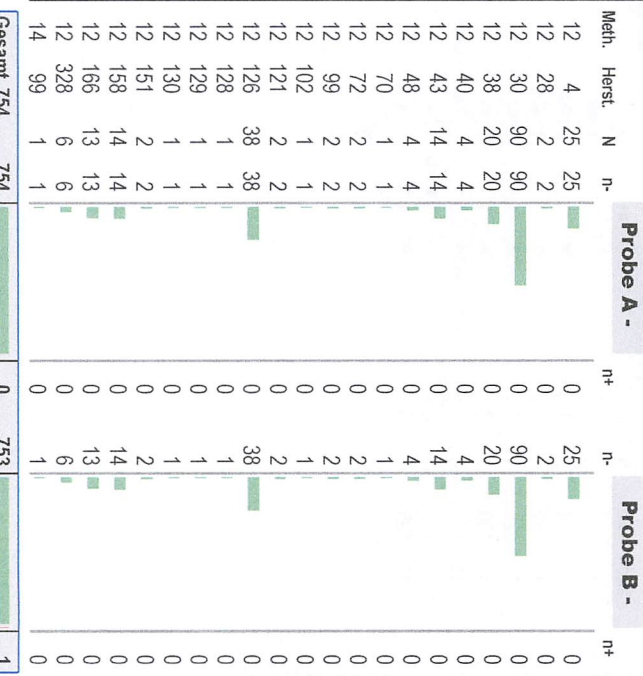
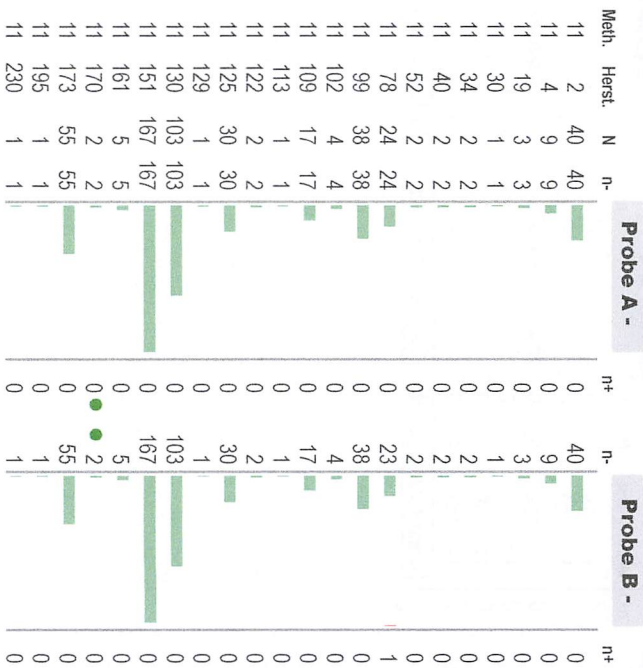
Immunoassay

Cannabinoide



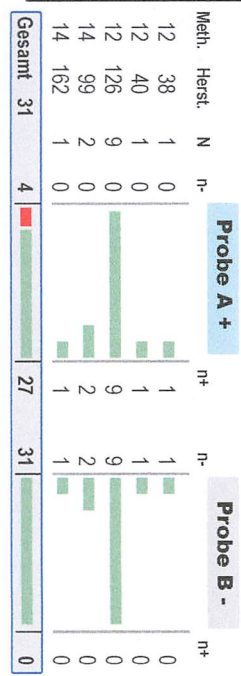
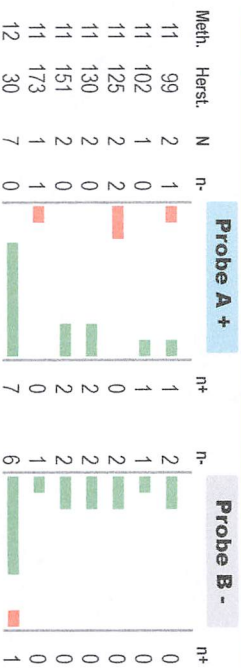
Immunoassay

Cocain + Metabolite



Immunoassay

LSD + Metabolite



Immunoassay Methadon + Metabolite

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	38	38	0	0	0	0	38	12	4	18	18	0	0	0	0	18						
11	4	9	9	0	0	0	0	9	12	28	1	1	0	0	0	0	1						
11	19	4	4	0	0	0	0	4	12	30	67	67	0	0	0	0	67						
11	34	1	1	0	0	0	0	1	12	38	21	21	0	0	0	0	21						
11	37	1	1	0	0	0	0	1	12	40	4	4	0	0	0	0	4						
11	40	1	1	0	0	0	0	1	12	43	12	12	0	0	0	0	12						
11	52	2	2	0	0	0	0	2	12	48	6	6	0	0	0	0	6						
11	78	24	24	0	0	0	0	24	12	70	1	1	0	0	0	0	1						
11	99	39	39	0	2	0	0	37	12	72	1	1	0	0	0	0	1						
11	102	3	3	0	0	0	0	3	12	99	2	2	0	0	0	0	2						
11	109	14	14	0	0	0	0	14	12	102	1	1	0	0	0	0	1						
11	113	2	2	0	0	0	0	2	12	121	2	2	0	0	0	0	2						
11	122	2	2	0	0	0	0	2	12	126	37	37	0	0	0	0	37						
11	125	26	26	0	0	0	0	26	12	129	1	1	0	0	0	0	1						
11	129	1	1	0	0	0	0	1	12	130	1	1	0	0	0	0	1						
11	130	97	97	0	1	0	0	96	12	151	2	2	0	0	0	0	2						
11	151	160	160	0	6	0	0	154	12	157	1	1	0	0	0	0	1						
11	161	4	4	0	0	0	0	4	12	158	14	14	0	0	0	0	14						
11	170	2	2	0	0	0	0	2	12	166	13	13	0	0	0	0	13						
11	173	50	50	0	0	0	0	50	12	328	4	3	1	0	0	0	4						
11	195	1	1	0	0	0	0	1	14	99	1	1	0	0	0	0	1						
11	230	1	1	0	0	0	0	1															
Gesamt 693									692									1		9		684	

Immunoassay Methylphenidat

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	1	0	1	0	0	0	12	75	1	0	1	1	0	0	0						
11	4	2	1	1	2	0	0	0	12	99	1	0	1	1	0	0	0						
11	52	1	0	1	1	0	0	0	12	157	9	0	9	9	0	0	0						
11	125	1	0	1	1	0	0	0	12	167	1	0	1	1	0	0	0						
11	130	1	0	1	1	0	0	0	14	99	2	0	2	2	0	0	0						
11	151	8	2	6	6	0	2	2	14	162	1	0	1	1	0	0	0						
11	170	1	0	1	1	0	0	0															
11	195	1	0	1	1	0	0	0															
Gesamt 32									4									28		30		2	

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Immunoassay Opiate

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	5	5	0	4	0	1	1	113	52	1	1	0	1	0	0	0
11	4	2	2	0	2	0	0	0	113	78	19	19	0	19	0	0	0
11	19	1	1	0	1	0	0	0	113	99	22	22	0	22	0	0	0
11	34	2	2	0	2	0	0	0	113	102	2	2	0	2	0	0	0
11	52	1	1	0	1	0	0	0	113	109	14	14	0	14	0	0	0
11	78	5	5	0	5	0	0	0	113	122	1	1	0	1	0	0	0
11	99	14	14	0	13	0	1	1	113	125	30	30	0	30	0	0	0
11	102	2	2	0	2	0	0	0	113	129	1	1	0	1	0	0	0
11	109	3	3	0	3	0	0	0	113	130	73	73	0	73	0	0	0
11	113	1	1	0	1	0	0	0	113	151	144	144	0	144	0	0	0
11	122	1	1	0	1	0	0	0	113	161	3	3	0	3	0	0	0
11	130	30	30	0	30	0	0	0	113	170	2	2	0	2	0	0	0
11	151	23	23	0	23	0	0	0	113	173	49	49	0	49	0	0	0
11	161	2	2	0	2	0	0	0	113	195	1	1	0	1	0	0	0
11	173	5	5	0	5	0	0	0	123	4	18	18	0	18	0	0	0
11	230	1	1	0	1	0	0	0	123	28	1	1	0	1	0	0	0
12	4	7	7	0	7	0	0	0	123	30	76	76	0	76	0	0	0
12	28	1	1	0	1	0	0	0	123	38	19	19	0	19	0	0	0
12	30	16	16	0	16	0	0	0	123	40	4	4	0	4	0	0	0
12	38	1	1	0	0	0	0	1	123	43	7	7	0	7	0	0	0
12	43	7	7	0	6	0	0	1	123	48	4	4	0	4	0	0	0
12	70	1	1	0	1	0	0	0	123	72	2	2	0	2	0	0	0
12	99	1	1	0	1	0	0	0	123	99	1	1	0	1	0	0	0
12	121	1	1	0	1	0	0	0	123	102	1	1	0	1	0	0	0
12	123	3	3	0	3	0	0	0	123	121	1	1	0	1	0	0	0
12	126	5	5	0	4	0	0	1	123	123	1	1	0	1	0	0	0
12	130	1	1	0	1	0	0	0	123	126	30	30	0	30	0	0	0
12	158	1	1	0	0	0	0	1	123	128	1	1	0	1	0	0	0
12	166	9	9	0	9	0	0	0	123	129	1	1	0	1	0	0	0
12	328	2	2	0	2	0	0	0	123	151	3	3	0	3	0	0	0
14	99	1	1	0	1	0	0	0	123	158	14	14	0	14	0	0	0
113	2	35	35	0	35	0	0	0	123	166	4	4	0	4	0	0	0
113	4	7	7	0	7	0	0	0	123	328	4	4	0	4	0	0	0
113	19	2	2	0	2	0	0	0									
113	40	2	2	0	1	0	1	1									
Gesamt 755									755			0	149/599			7	

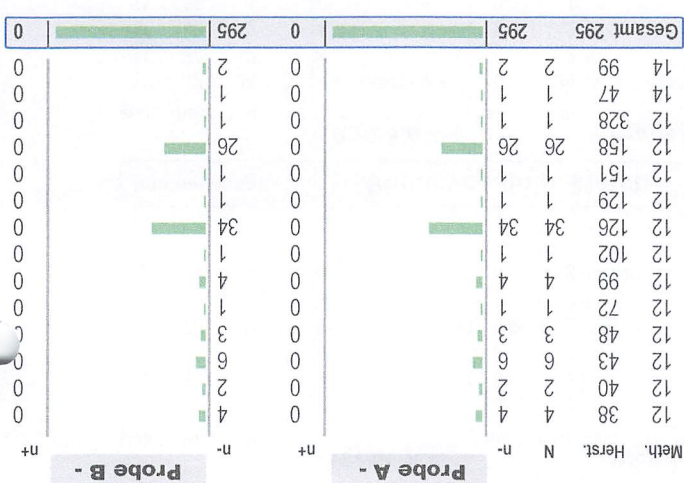
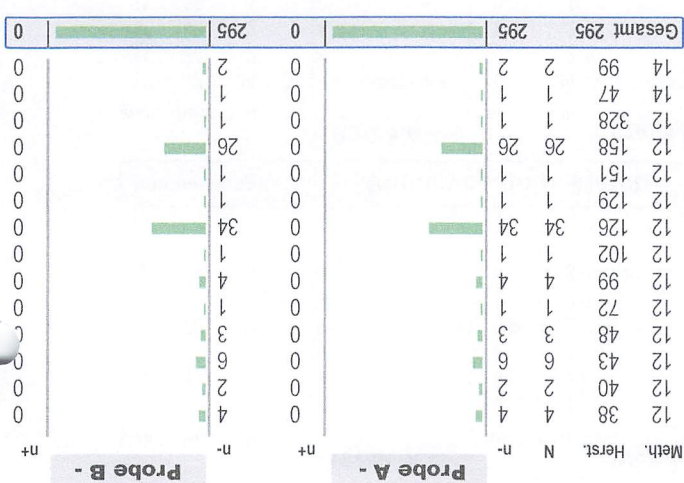
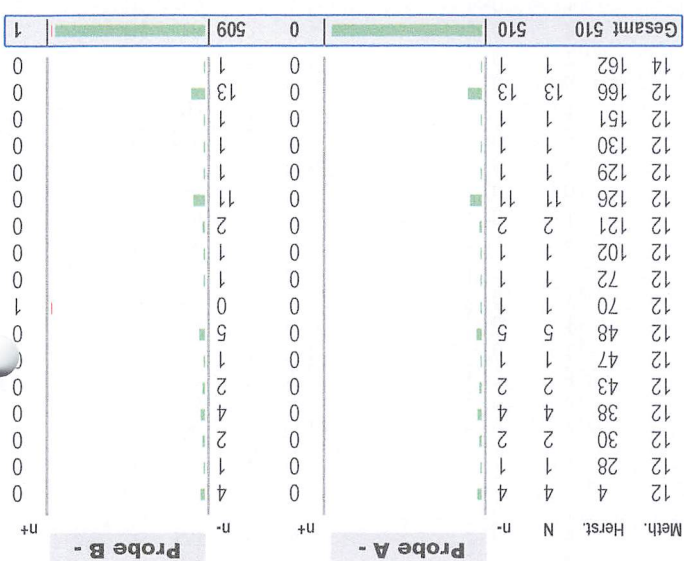
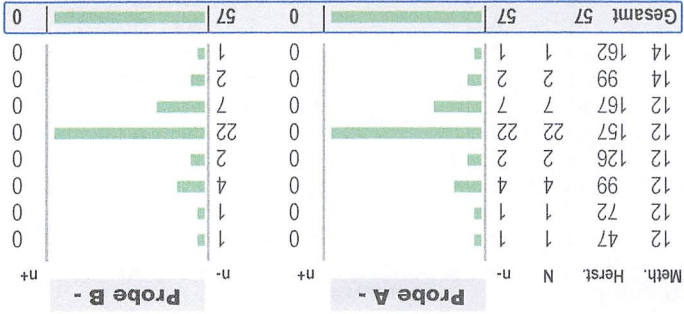
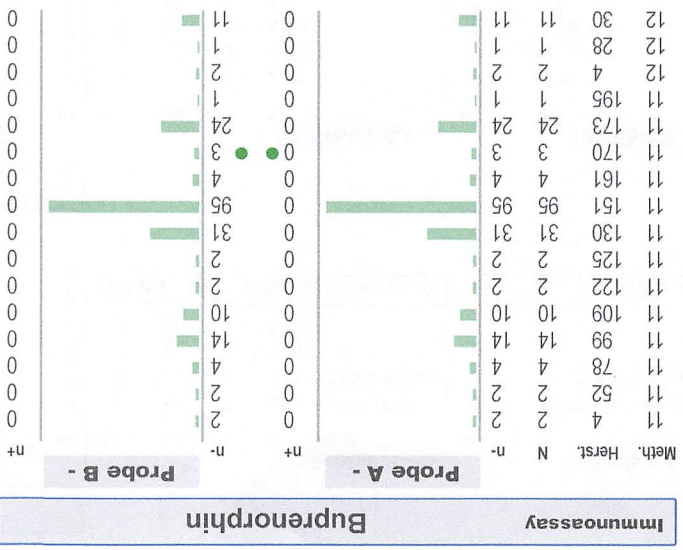
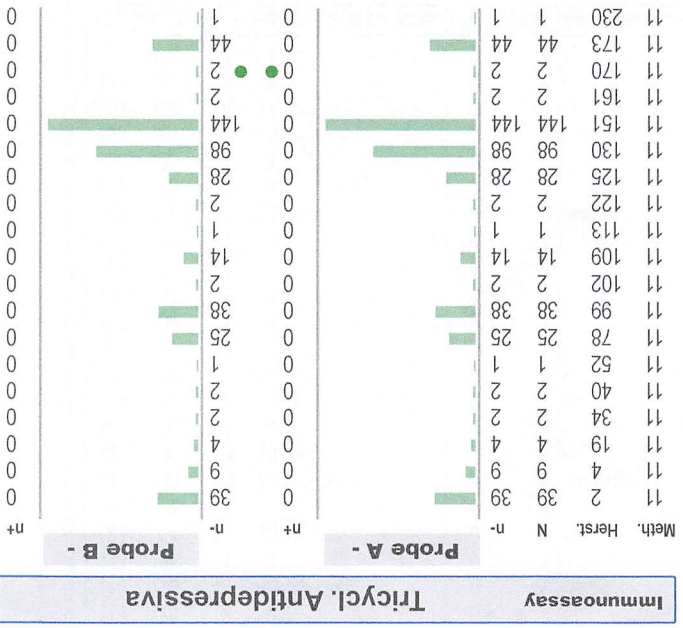
Immunoassay 6-Acetylmorphin

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	4	1	1	0	1	0	0	0	12	126	8	8	0	8	0	0	0
11	130	1	1	0	1	0	0	0	12	158	9	9	0	9	0	0	0
11	151	1	1	0	1	0	0	0	14	99	1	1	0	1	0	0	0
11	170	2	2	0	2	0	0	0	14	162	1	1	0	1	0	0	0
12	38	2	2	0	2	0	0	0									
12	99	3	3	0	3	0	0	0									
Gesamt 30									30			0	30			0	

Immunoassay Phencyclidin u. Metab.

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	34	34	0	34	0	0	0	12	4	2	2	0	2	0	0	0
11	34	2	2	0	2	0	0	0	12	30	8	8	0	8	0	0	0
11	40	2	2	0	2	0	0	0	12	38	4	4	0	4	0	0	0
11	52	1	1	0	1	0	0	0	12	40	1	1	0	1	0	0	0
11	99	7	6	1	7	0	0	0	12	43	3	3	0	3	0	0	0
11	109	1	1	0	1	0	0	0	12	48	1	1	0	1	0	0	0
11	125	1	1	0	1	0	0	0	12	126	3	3	0	3	0	0	0
11	130	5	5	0	5	0	0	0	12	328	1	1	0	1	0	0	0
11	151	16	16	0	16	0	0	0	14	99	2	2	0	2	0	0	0
11	161	1	0	1	1	0	0	0	14	162	1	1	0	1	0	0	0
11	170	1	1	0	1	0	0	0									
11	173	4	4	0	4	0	0	0									
Gesamt 101									99			2	101			0	

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Immunoassay Fentanyl									
Meth.	Herst.	N	Probe A -		Probe B -		n+	n-	n+
			n-	n+	n-	n+			
11	4	1	1	0	1	0	1	0	0
11	20	1	1	0	1	0	1	0	0
11	52	1	1	0	1	0	1	0	0
11	99	1	1	0	1	0	1	0	0
11	109	1	1	0	1	0	1	0	0
11	125	2	2	0	2	0	2	0	0
11	130	3	3	0	3	0	3	0	0
11	151	8	8	0	8	0	8	0	0
11	161	1	1	0	1	0	1	0	0
11	170	1	1	0	1	0	1	0	0
11	173	1	1	0	1	0	1	0	0
Gesamt			46	46	0	46	0	46	0

Meth.	Herst.	N	Probe A -		Probe B -		n+	n-	n+
			n-	n+	n-	n+			
12	30	2	2	0	2	0	2	0	0
12	48	2	2	0	2	0	2	0	0
12	99	2	2	0	2	0	2	0	0
12	126	6	6	0	6	0	6	0	0
12	157	4	4	0	4	0	4	0	0
12	158	5	5	0	5	0	5	0	0
12	167	1	1	0	1	0	1	0	0
14	99	2	2	0	2	0	2	0	0
14	162	1	1	0	1	0	1	0	0
Gesamt			46	46	0	46	0	46	0

Immunoassay Tramadol									
Meth.	Herst.	N	Probe A -		Probe B -		n+	n-	n+
			n-	n+	n-	n+			
11	4	2	2	0	2	0	2	0	0
11	52	1	1	0	1	0	1	0	0
11	99	4	4	0	4	0	4	0	0
11	125	2	2	0	2	0	2	0	0
11	130	4	4	0	4	0	4	0	0
11	151	13	13	0	13	0	13	0	0
11	161	3	3	0	3	0	3	0	0
11	170	1	1	0	1	0	1	0	0
11	173	8	8	0	8	0	8	0	0
Gesamt			53	53	0	53	0	53	0

Meth.	Herst.	N	Probe A -		Probe B -		n+	n-	n+
			n-	n+	n-	n+			
12	99	1	1	0	1	0	1	0	0
12	126	1	1	0	1	0	1	0	0
12	151	1	1	0	1	0	1	0	0
12	157	1	1	0	1	0	1	0	0
12	158	8	8	0	8	0	8	0	0
14	99	2	2	0	2	0	2	0	0
14	162	1	1	0	1	0	1	0	0
Gesamt			53	53	0	53	0	53	0

Immunoassay Methamphetamin									
Meth.	Herst.	N	Probe A -		Probe B -		n+	n-	n+
			n-	n+	n-	n+			
11	2	39	39	0	39	0	39	0	0
11	4	9	9	0	9	0	9	0	0
11	19	4	4	0	4	0	4	0	0
11	34	1	1	0	1	0	1	0	0
11	40	2	2	0	2	0	2	0	0
11	52	2	2	0	2	0	2	0	0
11	78	26	26	0	26	0	26	0	0
11	99	38	38	0	38	0	38	0	0
11	102	3	3	0	3	0	3	0	0
11	109	17	17	0	17	0	17	0	0
11	113	1	1	0	1	0	1	0	0
11	122	2	2	0	2	0	2	0	0
11	125	28	28	0	28	0	28	0	0
11	129	1	1	0	1	0	1	0	0
11	130	95	95	0	95	0	95	0	0
11	151	146	145	1	146	0	146	0	0
11	161	4	4	0	4	0	4	0	0
11	170	2	2	0	2	0	2	0	0
11	173	52	52	0	52	0	52	0	0
Gesamt			517	517	1	518	0	518	0

Meth.	Herst.	N	Probe A -		Probe B -		n+	n-	n+
			n-	n+	n-	n+			
11	195	1	1	0	1	0	1	0	0
11	230	1	1	0	1	0	1	0	0
12	30	1	1	0	1	0	1	0	0
12	43	2	2	0	2	0	2	0	0
12	48	1	1	0	1	0	1	0	0
12	70	1	1	0	1	0	1	0	0
12	99	1	1	0	1	0	1	0	0
12	102	1	1	0	1	0	1	0	0
12	121	2	2	0	2	0	2	0	0
12	126	1	1	0	1	0	1	0	0
12	129	1	1	0	1	0	1	0	0
12	130	1	1	0	1	0	1	0	0
12	151	2	2	0	2	0	2	0	0
12	158	14	14	0	14	0	14	0	0
12	166	13	13	0	13	0	13	0	0
14	99	1	1	0	1	0	1	0	0
14	162	1	1	0	1	0	1	0	0
Gesamt			517	517	1	518	0	518	0

Immunoassay Oxycodon									
Meth.	Herst.	N	Probe A -		Probe B +		n+	n-	n+
			n-	n+	n-	n+			
11	2	30	30	0	2	0	2	0	28
11	52	2	2	0	0	0	0	0	2
11	99	1	1	0	0	0	0	0	1
11	125	2	2	0	0	0	0	0	2
11	130	5	5	0	0	0	0	0	5
11	151	6	6	0	0	0	0	0	6
11	170	1	1	0	0	0	0	0	1
11	173	5	5	0	0	0	0	0	5
11	195	1	1	0	0	0	0	0	1
Gesamt			68	68	0	2	0	2	66

Meth.	Herst.	N	Probe A -		Probe B +		n+	n-	n+
			n-	n+	n-	n+			
12	30	2	2	0	0	0	0	0	2
12	38	1	1	0	0	0	0	0	1
12	48	1	1	0	0	0	0	0	1
12	99	1	1	0	0	0	0	0	1
12	126	3	3	0	0	0	0	0	3
12	158	3	3	0	0	0	0	0	3
14	99	2	2	0	0	0	0	0	2
14	162	1	1	0	0	0	0	0	1
Gesamt			68	68	0	2	0	2	66

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