



## CODA –CERVA

### Belgian National Reference Laboratory for Mycotoxins in Food and Feed

# Report on the 2014 Proficiency Test for the determination of 19 mycotoxins and 4 sums of mycotoxins in rye flour

*final report*

Lab	Code	Value	Unit	Score	Rank	Comments	Lab	Code	Value	Unit	Score	Rank	Comments
BR	BR01	3670	µg/kg	100	1		BR	BR02	117	µg/kg	100	1	
BR	BR02	270	µg/kg	100	1		BR	BR03	100	µg/kg	100	1	
BR	BR03	187	µg/kg	100	1		BR	BR04	100	µg/kg	100	1	
BR	BR04	1481	µg/kg	100	1		BR	BR05	100	µg/kg	100	1	
BR	BR05	2000	µg/kg	100	1		BR	BR06	100	µg/kg	100	1	
BR	BR06	2000	µg/kg	100	1		BR	BR07	100	µg/kg	100	1	
BR	BR07	2000	µg/kg	100	1		BR	BR08	100	µg/kg	100	1	
BR	BR08	2000	µg/kg	100	1		BR	BR09	100	µg/kg	100	1	
BR	BR09	2000	µg/kg	100	1		BR	BR10	100	µg/kg	100	1	
BR	BR10	2000	µg/kg	100	1		BR	BR11	100	µg/kg	100	1	
BR	BR11	2000	µg/kg	100	1		BR	BR12	100	µg/kg	100	1	
BR	BR12	2000	µg/kg	100	1		BR	BR13	100	µg/kg	100	1	
BR	BR13	2000	µg/kg	100	1		BR	BR14	100	µg/kg	100	1	
BR	BR14	2000	µg/kg	100	1		BR	BR15	100	µg/kg	100	1	
BR	BR15	2000	µg/kg	100	1		BR	BR16	100	µg/kg	100	1	
BR	BR16	2000	µg/kg	100	1		BR	BR17	100	µg/kg	100	1	
BR	BR17	2000	µg/kg	100	1		BR	BR18	100	µg/kg	100	1	
BR	BR18	2000	µg/kg	100	1		BR	BR19	100	µg/kg	100	1	
BR	BR19	2000	µg/kg	100	1		BR	BR20	100	µg/kg	100	1	
BR	BR20	2000	µg/kg	100	1		BR	BR21	100	µg/kg	100	1	
BR	BR21	2000	µg/kg	100	1		BR	BR22	100	µg/kg	100	1	
BR	BR22	2000	µg/kg	100	1		BR	BR23	100	µg/kg	100	1	
BR	BR23	2000	µg/kg	100	1		BR	BR24	100	µg/kg	100	1	
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BR	BR26	2000	µg/kg	100	1		BR	BR27	100	µg/kg	100	1	
BR	BR27	2000	µg/kg	100	1		BR	BR28	100	µg/kg	100	1	
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BR	BR30	2000	µg/kg	100	1		BR	BR31	100	µg/kg	100	1	
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BR	BR32	2000	µg/kg	100	1		BR	BR33	100	µg/kg	100	1	
BR	BR33	2000	µg/kg	100	1		BR	BR34	100	µg/kg	100	1	
BR	BR34	2000	µg/kg	100	1		BR	BR35	100	µg/kg	100	1	
BR	BR35	2000	µg/kg	100	1		BR	BR36	100	µg/kg	100	1	
BR	BR36	2000	µg/kg	100	1		BR	BR37	100	µg/kg	100	1	
BR	BR37	2000	µg/kg	100	1		BR	BR38	100	µg/kg	100	1	
BR	BR38	2000	µg/kg	100	1		BR	BR39	100	µg/kg	100	1	
BR	BR39	2000	µg/kg	100	1		BR	BR40	100	µg/kg	100	1	
BR	BR40	2000	µg/kg	100	1		BR	BR41	100	µg/kg	100	1	
BR	BR41	2000	µg/kg	100	1		BR	BR42	100	µg/kg	100	1	
BR	BR42	2000	µg/kg	100	1		BR	BR43	100	µg/kg	100	1	
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BR	BR45	2000	µg/kg	100	1		BR	BR46	100	µg/kg	100	1	
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BR	BR49	2000	µg/kg	100	1		BR	BR50	100	µg/kg	100	1	
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BR	BR77	2000	µg/kg	100	1		BR	BR78	100	µg/kg	100	1	
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BR	BR79	2000	µg/kg	100	1		BR	BR80	100	µg/kg	100	1	
BR	BR80	2000	µg/kg	100	1		BR	BR81	100	µg/kg	100	1	
BR	BR81	2000	µg/kg	100	1		BR	BR82	100	µg/kg	100	1	
BR	BR82	2000	µg/kg	100	1		BR	BR83	100	µg/kg	100	1	
BR	BR83	2000	µg/kg	100	1		BR	BR84	100	µg/kg	100	1	
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BR	BR88	2000	µg/kg	100	1		BR	BR89	100	µg/kg	100	1	
BR	BR89	2000	µg/kg	100	1		BR	BR90	100	µg/kg	100	1	
BR	BR90	2000	µg/kg	100	1		BR	BR91	100	µg/kg	100	1	
BR	BR91	2000	µg/kg	100	1		BR	BR92	100	µg/kg	100	1	
BR	BR92	2000	µg/kg	100	1		BR	BR93	100	µg/kg	100	1	
BR	BR93	2000	µg/kg	100	1		BR	BR94	100	µg/kg	100	1	
BR	BR94	2000	µg/kg	100	1		BR	BR95	100	µg/kg	100	1	
BR	BR95	2000	µg/kg	100	1		BR	BR96	100	µg/kg	100	1	
BR	BR96	2000	µg/kg	100	1		BR	BR97	100	µg/kg	100	1	
BR	BR97	2000	µg/kg	100	1		BR	BR98	100	µg/kg	100	1	
BR	BR98	2000	µg/kg	100	1		BR	BR99	100	µg/kg	100	1	
BR	BR99	2000	µg/kg	100	1		BR	BR100	100	µg/kg	100	1	

## PART 3 : results and scores, per participant

February 2015

Ph. Debongnie, E. Tangni and A. Callebaut



#REF!

(The results (µg/kg or ng) are highlighted : in yellow if < 0.5 MED<sub>tot</sub>, in green if > 1.5 MED<sub>tot</sub>.  
The z- and ζ-scores are highlighted : in orange if unsatisfactorily low, in yellow if questionably low, in green if questionably high, in blue if unsatisfactorily high.)

		result 1	result 2	average		MU (k=2)	used for :			z-scores		ζ-scores		vial A		vial B		
		µg/kg	µg/kg	µg/kg	rel to MEDref		MEDtot	MEDref	MADref	on res.	on RL	on res.	on RL	ng	rel to MED	ng	rel to MED	
L1	AfB1	19.7	27.37	(23.54)	> 6	(1.05)	30%				(0.25)	> -3.32	(0.33)	> -4.48	10.65	0.97	0.871	0.90
L1	AfB2	2.148	2.676		2.412	1.41	31%	x	x	x	(1.85)		(1.79)		14.1	1.00	2.085	1.11
L1	AfG1	17.18	16.71	(16.95)	> 6	(1.62)	33%				(2.81)	> -1.94	(2.29)	> -1.59	16.3	1.55	0.817	1.31
L1	AfG2	1.074	1.071		1.073	2.15	29%	x			(5.21)		(3.55)		16.95	1.32	1.75	1.52
L1	Aftot	40.1	47.83	(43.97)	> 24	(1.30)	30%				(1.36)	> -1.32	(1.50)	> -1.46	58	1.19	5.523	1.21
L1	OTA	153.3	152.1	(152.7)	> 9	(0.80)	41%				(-0.97)	(> -4.64)	(-1.17)	(> -5.59)	27.2	1.80	5.295	2.01
L1	DON	2329	2362		2346	1.10	35%	x	x	x	0.68		0.50		143	1.12	27.6	1.45
L1	ZEN	246.3	237.9	(242.1)	> 150	(0.43)	34%				(-3.27)	(> -4.21)	(-6.98)	(> -8.98)	162.5	1.03	23.15	0.96
L1	HT-2	191.9	258.9		225.4	1.21	29%	x	x	x	1.02		1.17		161	1.00	33.3	1.07
L1	T-2	293.4	260.1		276.8	0.84	33%	x	x	x	-0.84		-1.10		152.5	1.00	31.3	1.07
L1	HT-2 + T-2	485.3	519		502.2	0.91	33%	x	x	x	-0.49		-0.56		313.5	1.00	64.6	1.03
L1	FB1	3057	2645		2851	0.86	35%	x	x	x	-1.02		-0.88		212	1.50	28.25	1.28
L1	FB2	544	453.1		498.6	0.91	35%	x	x	x	-0.49		-0.51		157	1.39	15.35	0.87
L1	FB1 + FB2	3601	3098		3350	0.87	35%	x	x	x	-0.97		-0.81		369	1.48	43.6	1.20
L2	AfB1	5.57	6.09		5.83	0.26	31%	x			-3.36		-12.86		6.9	0.63	0.42	0.43
L2	AfB2				< 1		23%	LRL	LRL			(< -1.89)		(< -4.55)	11.33	0.80	1.2	0.64
L2	AfG1	12.18	12.11		12.15	1.16	33%	x	x	x	0.72		0.82		8.85	0.84	0.29	0.46
L2	AfG2				< 2		62%					(< 13.64)		(< 2.41)	8.62	0.67	0.52	0.45
L2	Aftot	17.75	18.2		17.98	0.53		x	x	x	-2.13		-					
L2	OTA	90.77	116.3		103.5	0.54	35%	x	x	x	(-2.23)		(-4.34)		12.46	0.83	2.31	0.88
L2	DON	451.3	632.7		542	0.25	21%	x			-5.23		-20.89		130.8	1.02	15.75	0.83
L2	15-AcDON				< 50			LRL	LRL			(< -1.78)		(-)				
L2	ZEN	255.3	369.7		312.5	0.55	41%	x	x	x	(-2.55)		(-3.73)		125.2	0.80	18.35	0.76
L2	HT-2	202.8	187.2		195	1.05		x	x	x	0.23		-		134.5	0.83	26.35	0.85
L2	T-2	200	210.3		205.1	0.62	24%	x	x	x	-1.99		-4.41		113.9	0.75	21.7	0.74
L2	HT-2 + T-2	402.8	397.4		400.1	0.73		x	x	x	-1.55		-					
L2	FB1	942.5	1163		1053	0.32	32%	x			-5.09		-10.81		139.1	0.99	20.25	0.92
L2	FB2	505.9	632.5		569.2	1.04	19%	x	x	x	0.25		0.41		281.5	2.50	41.75	2.38
L2	FB1 + FB2	1448	1795		1622	0.42		x			-4.41		-					
L2	FB3	532.5	682.4		607.5	0.27	15%	x			(-5.20)		(-13.96)		119	0.91	17.05	1.00
L3	OTA	280	273		276.5	1.45	30%	x	x	x	(2.19)		(2.02)		19	1.26	4	1.52
L3	DON	1990	1970		1980	0.93	30%	x	x	x	-0.52		-0.53		134	1.05	19	1.00
L3	ZEN	576	663		619.5	1.10	30%	x	x	x	(0.57)		(0.59)		372	2.36	43	1.79
L3	T-2	454	587		520.5	1.58	30%	x			3.08		2.41		226	1.48	45	1.54
L3	FB1 + FB2	5640	5400	(5520)	> 600	(1.44)	30%				(3.36)	> -6.45	(2.01)	> -3.86	249	1.00	28	0.77
L4	AfB1	10.2	11.6		10.9	0.49	16%	x			-2.33		-9.17		8.9	0.81		0.90
L4	AfB2	2.3	1.8		2.05	1.20	10%	x	x	x	(0.89)		(2.30)		11.9	0.84	1.7	
L4	AfG1	4.2	5		4.6	0.44	9%	x			-2.55		-13.53		9.8	0.93		
L4	AfG2	9.7	12.4		11.05	22.10	5%	x			(95.91)		(41.58)		12.7	0.99	1.1	0.96
L4	OTA	86	79.4		82.7	0.43	8%	x			(-2.76)		(-11.53)		13.9	0.92		
L4	DON	2355	2393		2374	1.11	63%	x	x	x	0.77		0.31		128	1.00	24	1.26
L4	AcDONtot	166	151		158.5	1.03	3%	x	x	x	(0.14)		(0.29)					
L4	ZEN	219	288		253.5	0.45	29%	x			(-3.15)		(-7.40)		94	0.60	20	0.83
L4	HT-2	72	130		101	0.54	69%	x	x	x	-2.22		-2.38		154	0.95		
L4	T-2	94	67		80.5	0.24	98%	x			-3.99		-5.95		131	0.86	23	0.79
L4	FB1	3936	3921		3929	1.19	14%	x	x	x	1.42		2.11		158	1.12	22	0.99
L4	FB2	471	466		468.5	0.86	19%	x	x	x	-0.80		-1.50		81	0.72		
L4	FB3	2211	2276		2244	0.98	2%	x	x	x	(-0.13)		(-0.36)		131	1.00	15	0.88

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The z- and ζ-scores are highlighted : in orange if unsatisfactorily low, in yellow if questionably low, in green if questionably high, in blue if unsatisfactorily high.)

		result 1	result 2	average		MU (k=2)	used for :			z-scores		ζ-scores		vial A		vial B	
		µg/kg	µg/kg	µg/kg	rel to MEDref		MEDtot	MEDref	MADref	on res.	on RL	on res.	on RL	ng	rel to MED	ng	rel to MED
L5	AfB1	20.17	13.33	16.75	0.75	49%	x	x	x	-1.14		-1.33					
L5	AfB2	1.53	1.08	1.305	0.76	62%	x	x	x	(-1.08)		(-0.98)					
L5	AfG1	7.54	6.02	6.78	0.65	53%	x	x	x	-1.60		-2.01					
L5	AfG2	1	1.2	1.1	2.20	55%	x			(5.45)		(1.96)					
L5	Aftot	30.24	21.63	25.94	0.77	51%	x	x	x	-1.06		-1.17					
L5	OTA	215.2	186.3	200.8	1.05	59%	x	x	x	(0.26)		(0.17)					
L5	DON	1609	1296	1453	0.68	67%	x	x	x	-2.25		-1.40					
L5	ZEN	603.8	348.9	476.4	0.85	46%	x	x	x	(-0.88)		(-0.78)					
L5	HT-2	214	210.9	212.5	1.14	73%	x	x	x	0.69		0.34					
L5	T-2	350	295.9	323	0.98	37%	x	x	x	-0.10		-0.10					
L5	HT-2 + T-2	564	506.8	535.4	0.97	56%	x	x	x	-0.15		-0.09					
L5	FB1	3041	2976	3009	0.91	77%	x	x	x	-0.66		-0.25					
L5	FB2	638	624.4	631.2	1.16	69%	x	x	x	0.90		0.39					
L5	FB1 + FB2	3679	3600	3640	0.95	71%	x	x	x	-0.39		-0.15					
L6	AfB1	26.1	30.36	28.23	1.26	30%	x	x	x	1.20		1.36					
L6	AfB2	1.84	1.84	1.84	1.07	30%	x	x	x	(0.33)		(0.43)					
L6	AfG1	11.3	13.2	12.25	1.17	30%	x	x	x	0.77		0.94					
L6	AfG2	0.65	0.85	0.75	1.50	30%	x	x	x	(2.27)		(2.07)					
L6	Aftot	39.9	46.2	43.05	1.27	30%	x	x	x	1.24		1.39					
L6	OTA	60.82	48.75	54.79	0.29	30%	x			(-3.47)		(-11.34)					
L6	DON	2520	2556	2538	1.19	30%	x	x	x	1.31		1.04					
L6	ZEN	589	725.7	657.4	1.17	30%	x	x	x	(0.96)		(0.94)					
L7	AfB1	21.63	20.66	21.15	0.95	25%	x	x	x	-0.24		-0.42	10.35	0.94	0.77	0.80	
L7	AfB2	1.29	1.35	1.32	0.77	25%	x	x	x	(-1.04)		(-2.01)	12.87	0.91	2.17	1.15	
L7	AfG1	10.4	10.46	10.43	1.00	25%	x	x	x	-0.02		-0.04	10.94	1.04	0.93	1.49	
L7	AfG2	0.9	0.88	0.89	1.78	25%	x	x	x	(3.55)		(3.26)	15.15	1.18	1.81	1.57	
L7	Aftot	34.22	33.35	33.79	1.00	25%	x	x	x	-0.01		-0.01	49.31	1.01	5.68	1.25	
L7	OTA	135.6	132	133.8	0.70	25%	x	x	x	(-1.46)		(-3.02)	10.47	0.69	1.86	0.71	
L7	DON	2091	1918	2005	0.94	25%	x	x	x	-0.44		-0.52	139.8	1.09	32	1.68	
L7	3-AcDON	52.87	45.75	49.31	1.26	25%	x	x	x	(1.17)		(1.30)					
L7	15-AcDON	88.92	89.52	89.22	1.09	25%	x	x	x	(0.39)		(0.44)					
L7	AcDONtot	141.8	135.3	138.6	0.90	25%	x	x	x	(-0.47)		(-0.64)					
L7	ZEN	680.1	696.4	688.3	1.22	25%	x	x	x	(1.27)		(1.41)	149.1	0.95	21.6	0.90	
L7	HT-2	173	180.7	176.9	0.95	25%	x	x	x	-0.24		-0.40	166.8	1.03	29.08	0.93	
L7	T-2	364.3	375.2	369.8	1.12	25%	x	x	x	0.65		0.85	159	1.04	28.5	0.98	
L7	HT-2 + T-2	537.3	555.9	546.6	0.99	25%	x	x	x	-0.03		-0.04	325.8	1.04	57.6	0.92	
L7	FB1	2888	2996	2942	0.89	25%	x	x	x	-0.81		-0.93	149.5	1.06	23.1	1.04	
L7	FB2	506.8	500.4	503.6	0.92	25%	x	x	x	-0.43		-0.62	104.3	0.93	17.11	0.97	
L7	FB1 + FB2	3395	3496	3446	0.90	25%	x	x	x	-0.77		-0.86	253.8	1.02	40.21	1.11	
L7	FB3	2060	1991	2026	0.89	25%	x	x	x	(-0.80)		(-0.94)	140.5	1.07	21.3	1.25	
L8	AfB1	24.42	24.58	24.5	1.10	12%	x	x	x	0.44		1.25					
L8	AfB2	1.59	1.56	1.575	0.92	6%	x	x	x	(-0.37)		(-1.19)					
L8	AfG1	10.65	11.44	11.05	1.05	13%	x	x	x	0.25		0.70					
L8	AfG2	< 1		< 1		6%					(< 4.55)						
L8	Aftot	36.66	37.58	37.12	1.10		x	x	x	0.44		-					
L8	OTA	149.6	182	165.8	0.87	28%	x	x	x	(-0.64)		(-1.01)					
L8	DON	2247	2216	2231	1.04	4%	x	x	x	0.30		1.36					
L8	AcDONtot	192.9	197.5	195.2	1.27	23%	x	x	x	(1.27)		(1.50)					
L8	ZEN	492.6	642.2	567.4	1.01	7%	x	x	x	(0.04)		(0.15)					
L8	HT-2	230.8	179.6	205.2	1.10	14%	x	x	x	0.50		1.17					
L8	T-2	257.2	324.3	290.7	0.88	10%	x	x	x	-0.62		-1.93					
L8	HT-2 + T-2	488	503.9	496	0.90		x	x	x	-0.56		-					
L8	FB1	3529	3373	3451	1.05	22%	x	x	x	0.34		0.38					
L8	FB2	651.5	639.4	645.4	1.18	30%	x	x	x	1.05		1.01					
L8	FB1 + FB2	4181	4012	4096	1.07		x	x	x	0.52		-					

#REF!

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The z- and ζ-scores are highlighted : in orange if unsatisfactorily low, in yellow if questionably low, in green if questionably high, in blue if unsatisfactorily high.)

		result 1	result 2	average		MU (k=2)	used for :			z-scores		ζ-scores		vial A		vial B	
		µg/kg	µg/kg	µg/kg	rel to MEDref		MEDtot	MEDref	MADref	on res.	on RL	on res.	on RL	ng	rel to MED	ng	rel to MED
L9	AfB1	46.3	42	44.15	1.98	20%	x			4.44		4.84	10.1	0.92			
L9	AfB2			< 0.015			LRL				(< -4.51)	(-)	9.6	0.68			
L9	AfG1			< 0.089			LRL				(< -4.51)	(-)	3.9	0.37			
L9	AfG2			< 0.046			LRL				(< -4.13)	(-)	4.1	0.32			
L9	Aftot	46.3	42	44.15	1.30	20%	x	x	x	1.39		2.22	27.7	0.57			
L9	OTA	49.1	53.3	51.2	0.27	20%	x			(-3.56)		(-13.79)	9.8	0.65	2.4	0.91	
L9	DON	28.3	27.4	27.85	0.01	20%	x			-6.92		-41.28	32.3	0.25	5.3	0.28	
L9	ZEN	531.9	443.9	487.9	0.87	20%	x	x	x	(-0.77)		(-1.42)	287.9	1.83	65.8	2.73	
L9	T-2	88.5	26	57.25	0.17	30%	x			-4.37		-16.89	59.9	0.39	12.7	0.44	
L9	FB1	1542	584	1063	0.32	30%	x			-5.07		-11.15			16.5	0.75	
L10	AfB1	28.06	28.74	28.4	1.27		x	x	x	1.23		-	39	3.54	3.33	3.44	
L10	AfB2	2.64	2.89	2.765	1.61		x			(2.79)		(-)	29.2	2.07	3.08	1.63	
L10	AfG1	6.67	6.72	6.695	0.64		x	x	x	-1.64		-	9.17	0.87	0.2	0.32	
L10	AfG2	0.2	0.2	(0.2) < 2	(0.40)					(-2.73)	(< 13.64)	(-)	18.1	1.41	0.511	0.44	
L10	OTA	209.9	226.8	218.3	1.14		x	x	x	(0.70)		(-)	9.92	0.66	2.25	0.85	
L10	DON	2419	2520	2469	1.15		x	x	x	1.08		-	145.7	1.14	26.24	1.38	
L10	3-AcDON	35.27	35.84	35.56	0.91		x	x	x	(-0.42)		(-)					
L10	15-AcDON	49.88	50.15	50.02	0.61		x	x	x	(-1.78)		(-)					
L10	ZEN	624.5	678.5	651.5	1.16		x	x	x	(0.90)		(-)	278.1	1.77	35.18	1.46	
L10	HT-2	128.1	128.5	128.3	0.69		x	x	x	-1.51		-	127.2	0.79	26.67	0.86	
L10	T-2	545.5	556	550.7	1.67		x			3.56		-	247.1	1.62	62.43	2.14	
L10	FB1	2960	3042	3001	0.91		x	x	x	-0.68		-	183.5	1.30	26.54	1.20	
L10	FB2	622	644.7	633.4	1.16		x	x	x	0.93		-	159.1	1.41	23.3	1.33	
L10	FB3	1392	1436	1414	0.62		x	x	x	(-2.70)		(-)	171.9	1.31	20.62	1.21	
L11	AfB1	29.6	27.1	28.35	1.27	28%	x	x	x	1.22		1.48					
L11	AfB2	2.1	2.1	2.1	1.23	25%	x	x	x	(1.02)		(1.36)					
L11	AfG1	13.5	13.1	13.3	1.27	31%	x	x	x	1.22		1.34					
L11	AfG2	0.75	0.88	(0.815) < 1	(1.63)	21%				(2.86)	(< 4.55)	(3.29)	(< 5.22)				
L11	Aftot	45.95	43.18	44.57	1.32	31%	x	x	x	1.44		1.52					
L11	OTA	178	181	179.5	0.94	22%	x	x	x	(-0.29)		(-0.52)					
L11	DON	2097	2149	2123	0.99	28%	x	x	x	-0.05		-0.05					
L11	3-AcDON	52	54	53	1.35	28%	x	x	x	(1.60)		(1.57)					
L11	15-AcDON	119	99	109	1.33	28%	x	x	x	(1.48)		(1.40)					
L11	AcDONtot	171	153	162	1.05	28%	x	x	x	(0.25)		(0.30)					
L11	ZEN	600	619	609.5	1.08	36%	x	x	x	(0.47)		(0.41)					
L11	HT-2	119	103	111	0.60	28%	x	x	x	-1.96		-4.36					
L11	T-2	513	400	456.5	1.39	43%	x	x	x	2.05		1.29					
L11	HT-2 + T-2	632	503	567.5	1.03	43%	x	x	x	0.19		0.15					
L11	FB1	1321	1322	1322	0.40	48%	x			-4.48		-5.82					
L11	FB2	226	245	235.5	0.43	28%	x			-3.24		-7.70					
L11	FB1 + FB2	1547	1567	1557	0.41	48%	x			-4.54		-5.76					
L12	AfB1	20.92	21.4	21.16	0.95	25%	x	x	x	-0.24		-0.42	11.13	1.01	1	1.03	
L12	AfB2	2.33	2.44	2.385	1.39	25%	x	x	x	(1.78)		(2.12)	13.63	0.97	1	0.53	
L12	AfG1	14.84	13.92	14.38	1.37	25%	x	x	x	1.69		2.12	13.78	1.31	1	1.60	
L12	AfG2			< 1		25%					(< 4.55)	(< 3.78)	19.04	1.48	1	0.87	
L12	Aftot	38.09	37.76	37.93	1.12	25%	x	x	x	0.55		0.83	57.58	1.18	4	0.88	
L12	OTA	276.3	178.9	227.6	1.19	25%	x	x	x	(0.94)		(1.24)	22.74	1.51	6	2.28	
L12	DON	2119	2176	2148	1.00	25%	x	x	x	0.03		0.03	102.2	0.80	50	2.63	
L12	ZEN	790	852.6	821.3	1.46	25%	x	x	x	(2.63)		(2.47)	426.3	2.71	30	1.25	
L12	HT-2	166.6	186.6	176.6	0.95	25%	x	x	x	-0.25		-0.41	225	1.39	12.35	0.40	
L12	T-2	326	401.5	363.7	1.11	25%	x	x	x	0.56		0.73	152.6	1.00	10	0.34	
L12	HT-2 + T-2	492.6	588	540.3	0.98	25%	x	x	x	-0.10		-0.13					

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The z- and ζ-scores are highlighted : in orange if unsatisfactorily low, in yellow if questionably high, in blue if unsatisfactorily high.)

		result 1	result 2	average		MU (k=2)	used for :			z-scores		ζ-scores		vial A		vial B		
		µg/kg	µg/kg	µg/kg	rel to MEDref		MEDtot	MEDref	MADref	on res.	on RL	on res.	on RL	ng	rel to MED	ng	rel to MED	
L13	AfB1	17.9	17.1		17.5	0.78	30%	x	x	x	-0.98		-1.74		11.3	1.03	0.7	0.72
L13	AfB2	1.12	0.98		1.05	0.61	30%	x	x	x	(-1.76)		(-3.49)		13	0.92	1.7	0.90
L13	AfG1	8.19	7.41		7.8	0.74	40%	x	x	x	-1.16		-1.67		11	1.04	0.42	0.67
L13	AfG2	0.01	0.33	(0.17)	< 0.5	(0.34)	40%	LRL	LRL		(-3.00)	(< 0.00)	(-6.00)	(< 0.00)	12.5	0.97	0.96	0.83
L13	Aftot	27.2	25.8		26.5	0.78	35%	x	x	x	-0.99		-1.51		47.8	0.98	3.78	0.83
L13	OTA	186	179		182.5	0.96	40%	x	x	x	(-0.21)		(-0.22)		15.2	1.01	2.58	0.98
L13	DON	1368	1356		1362	0.64	25%	x	x	x	-2.55		-4.37		94.5	0.74	13.3	0.70
L13	3-AcDON	36.4	33.4	(34.9)	< 50	(0.89)	25%				(-0.50)	(< 1.25)	(-0.68)	(< 1.69)				
L13	15-AcDON	67.5	55.7		61.6	0.75	25%	x	x	x	(-1.14)		(-1.48)					
L13	AcDONtot	103.9	89.1	(96.5)	< 100	(0.63)	25%	LRL	LRL		(-1.76)	(< -1.65)	(-2.86)	(< -2.68)				
L13	ZEN	481	450		465.5	0.83	30%	x	x	x	(-0.99)		(-1.34)		162	1.03	22.5	0.93
L13	HT-2	62.4	63.4		62.9	0.34	50%	x			-3.21		-7.08		143	0.89	31.6	1.01
L13	T-2	254	254		254	0.77	35%	x	x	x	-1.21		-1.61		134	0.88	28.2	0.97
L13	HT-2 + T-2	316	317		316.5	0.58	40%	x	x	x	-2.42		-3.56		277	0.88	59.8	0.96
L13	FB1	4837	5012		4925	1.49	25%	x			3.68		2.59		119	0.84	16.8	0.76
L13	FB2	686	683		684.5	1.26	25%	x	x	x	1.46		1.57		87.5	0.78	10.6	0.60
L13	FB1 + FB2	5523	5695		5609	1.46	25%	x	x	x	3.54		2.49		206.5	0.83	27.4	0.75
L13	FB3	634	633		633.5	0.28	25%	x			(-5.12)		(-12.10)		86.9	0.66	10.5	0.62
L14	DON	2055	1935		1995	0.93	30%	x	x	x	-0.47		-0.47					
L14	3-AcDON	45.9	42.2	(44.05)	< 50	(1.12)	30%				(0.56)	(< 1.25)	(0.60)	(< 1.33)				
L14	15-AcDON	112.5	107		109.8	1.34	30%	x	x	x	(1.53)		(1.37)					
L14	AcDONtot	158.4	149.2		153.8	1.00	30%	x	x	x	(0.00)		(0.00)					
L14	HT-2	206.7	225.1		215.9	1.16	25%	x	x	x	0.77		1.06					
L14	T-2	378	403.9		391	1.19	25%	x	x	x	1.00		1.22					
L14	HT-2 + T-2	584.7	629		606.9	1.10	25%	x	x	x	0.60		0.74					
L15	AfB1	14.12	12.49	(13.31)	> 10	(0.60)	12%				(-1.84)	> -2.51	(-7.44)	> -10.17	8.109	0.74	0.401	0.41
L15	AfB2	1.81	1.644		1.727	1.01	21%	x	x	x	(0.03)		(0.06)		36.94	2.62	2.751	1.46
L15	AfG1	7.45	6.85		7.15	0.68	24%	x	x	x	-1.44		-3.50		8.255	0.78	1	1.60
L15	AfG2				< 1.25		30%					(< 6.82)		(< 3.89)	8.858	0.69	1	0.87
L15	OTA	183.1	127.4	(155.3)	> 100	(0.81)	56%				(-0.91)	(> -2.32)	(-0.81)	(> -2.06)	17.45	1.16	3.41	1.29
L15	DON	399.4	391.5		395.5	0.18	22%	x			-5.71		-26.10		1077	8.41	100	5.26
L15	3-AcDON				< 225		36%					(< 21.53)		(< 4.61)				
L15	ZEN	424.5	446	(435.3)	> 200	(0.77)	6%				(-1.30)	(> -3.70)	(-5.31)	(> -15.07)	126.1	0.80	27.49	1.14
L15	HT-2	186.5	194.5	(190.5)	> 100	(1.02)	15%				(0.11)	> -2.25	(0.27)	> -5.41	196.5	1.22	44.57	1.43
L15	T-2	229.8	222.6	(226.2)	> 100	(0.69)	19%				(-1.65)	> -3.68	(-4.10)	> -9.13	144.5	0.95	29.13	1.00
L15	FB1	633.3	655.2		644.3	0.20	13%	x			-6.02		-20.68		107.3	0.76	15.42	0.70
L15	FB2	69.45	60.65	(65.05)	< 250	(0.12)	46%	LRL			(-5.02)	< -3.09	(-17.56)	< -10.79	145.5	1.29	19.29	1.10
L16	AfB1	21.55	23.09		22.32	1.00	40%	x	x	x	0.00		0.00		8.78	0.80	0.97	1.00
L16	AfB2	2.32	2.34	(2.33)	< 5	(1.36)	40%				(1.63)	(< 8.71)	(1.29)	(< 6.87)	15.17	1.08	2.22	1.18
L16	AfG1	11.6	11.8		11.7	1.12	40%	x	x	x	0.53		0.51		8.37	0.79	0.67	1.07
L16	AfG2				< 5		40%					(< 40.91)		(< 4.50)	12.88	1.00	1.44	1.25
L16	Aftot	35.47	37.23		36.35	1.07	40%	x	x	x	0.34		0.34		45.26	0.93	5.3	1.16
L16	OTA	287	297	(292)	> 250	(1.53)	40%	LRL	LRL		(2.58)	(> 1.51)	(1.71)	(> 1.00)	17	1.13	2.35	0.89
L16	DON	1750	1913		1832	0.86	40%	x	x	x	-1.01		-0.83		107	0.84	21	1.11
L16	ZEN	862	713		787.5	1.40	40%	x	x	x	(2.28)		(1.41)		115	0.73	16	0.66
L16	HT-2	199	223		211	1.13	40%	x	x	x	0.65		0.58		174	1.08	46	1.48
L16	T-2	489	522		505.5	1.54	40%	x			2.84		1.73		121	0.79	23	0.79
L16	HT-2 + T-2	688	745		716.5	1.30	40%	x	x	x	1.74		1.16		295	0.94	69	1.10
L16	FB1	3620	3370		3495	1.06	40%	x	x	x	0.44		0.27		129	0.91	22	0.99
L16	FB2	697	628		662.5	1.22	40%	x	x	x	1.23		0.87		96	0.85	11	0.63
L16	FB1 + FB2	4317	3998		4158	1.08	40%	x	x	x	0.65		0.39		225	0.90	33	0.91

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		result 1	result 2	average		MU (k=2)	used for :			z-scores		ζ-scores		vial A		vial B	
		µg/kg	µg/kg	µg/kg	rel to MEDref		MEDtot	MEDref	MADref	on res.	on RL	on res.	on RL	ng	rel to MED	ng	rel to MED
L17	AfB1	23.41	22.32	22.87	1.02	20%	x	x	x	0.11		0.22					
L17	OTA	141.5	137.4	139.5	0.73	20%	x	x	x	(-1.31)		(-3.12)					
L17	DON	2264	2478	2371	1.11	20%	x	x	x	0.76		0.96					
L17	ZEN	211.8	261.1	236.5	0.42	20%	x			(-3.33)		(-10.43)					
L17	HT-2	95.62	93.73	94.68	0.51	20%	x	x	x	-2.39		-7.58					
L17	T-2	311.1	333.4	322.3	0.98	20%	x	x	x	-0.11		-0.19					
L17	HT-2 + T-2	406.7	427.1	416.9	0.76	20%	x	x	x	-1.38		-2.95					
L17	FB1	1035	975.8	1005	0.30	20%	x			-5.20		-14.53					
L18	AfB1	22.84		22.84	1.02		x	x	x	0.10		-					
L18	AfB2	< 0.5		< 0.5			LRL				(< -3.22)	-					
L18	AfG1	8.7		8.7	0.83		x	x	x	-0.77		-					
L18	AfG2	< 0.5		< 0.5			LRL	LRL			(< 0.00)	-					
L18	Aftot	31.5		31.5	0.93		x	x	x	-0.31		-					
L18	OTA	152		152	0.80		x	x	x	(-0.99)		(-)					
L18	DON	1690		1690	0.79		x	x	x	-1.47		-					
L18	ZEN	436		436	0.77		x	x	x	(-1.29)		(-)					
L18	HT-2	66.8		66.8	0.36		x			-3.11		-					
L18	T-2	97.2		97.2	0.30		x			-3.73		-					
L18	HT-2 + T-2	164		164	0.30		x			-4.01		-					
L18	FB1	4870		4870	1.48		x	x	x	3.56		-					
L18	FB2	756.3		756.3	1.39		x	x	x	2.21		-					
L18	FB1 + FB2	5630		5630	1.47		x	x	x	3.58		-					
L18	FB3	3200		3200	1.40		x			(2.83)		(-)					
L19	AfB1	28.4	28.42	28.41	1.27	25%	x	x	x	1.24		1.66	11.54	1.05	0.997	1.03	
L19	AfB2	2.29	2.23	2.26	1.32	25%	x	x	x	(1.45)		(1.81)	13.34	0.95	2.25	1.19	
L19	AfG1	14.13	14.13	14.13	1.35	25%	x	x	x	1.58		2.02	10.52	1.00	0.69	1.10	
L19	AfG2	1.17	1.17	1.17	2.34	25%	x			(6.09)		(4.39)	11.67	0.91	1.48	1.29	
L19	Aftot	45.99	45.95	45.97	1.36	25%	x	x	x	1.63		2.05	47.07	0.97	5.417	1.19	
L19	OTA	231.1	211.6	221.4	1.16	20%	x	x	x	(0.78)		(1.29)	15.89	1.05	3.13	1.19	
L19	DON	2259	2214	2236	1.05	20%	x	x	x	0.32		0.42	102.2	0.80	16.7	0.88	
L19	3-AcDON	75.4	65.04	70.22	1.79	25%	x			(3.59)		(3.12)					
L19	15-AcDON	< 50		< 50			LRL	LRL			(< -1.78)	(-)					
L19	ZEN	804.6	806.4	805.5	1.43	20%	x	x	x	(2.47)		(2.91)	172	1.09	27.19	1.13	
L19	HT-2	164.4	162.4	163.4	0.88	20%	x	x	x	-0.59		-1.27	131.7	0.82	25.27	0.81	
L19	T-2	498.7	495.8	497.3	1.51	20%	x			2.70		3.26	144.6	0.95	28.89	0.99	
L19	HT-2 + T-2	663.1	658.2	660.7	1.20	20%	x	x	x	1.16		1.63	276.3	0.88	54.16	0.87	
L19	FB1	4153	3873	4013	1.22	20%	x	x	x	1.61		1.70	141.2	1.00	30.69	1.39	
L19	FB2	750.9	775.2	763	1.40	20%	x	x	x	2.28		2.74	108.5	0.96	25.52	1.45	
L19	FB1 + FB2	4904	4648	4776	1.25	20%	x	x	x	1.88		1.90	249.7	1.00	56.21	1.55	
L19	FB3	2812	2688	2750	1.20	20%	x	x	x	(1.44)		(1.57)	138.3	1.06	27.94	1.64	
L20	AfB1	26.4	26.69	26.55	1.19	23%	x	x	x	0.86		1.32					
L20	AfB2	2.37	2.96	2.665	1.55	37%	x			(2.52)		(1.89)					
L20	AfG1	16.83	18.05	17.44	1.66	22%	x			3.02		3.56					
L20	AfG2	0.81	0.91	0.86	1.72	34%	x	x	x	(3.27)		(2.36)					
L20	OTA	181.8	212.3	197.1	1.03	33%	x	x	x	(0.16)		(0.19)					
L20	DON	1921	1936	1929	0.90	21%	x	x	x	-0.69		-1.01					
L20	3-AcDON	27.04	33.83	30.44	0.78	19%	x	x	x	(-1.02)		(-1.60)					
L20	AcDONtot	84.72	88.45	86.59	0.56	17%	x	x	x	(-2.06)		(-3.81)					
L20	ZEN	155	168	161.5	0.29	31%	x			(-4.09)		(-12.41)					
L20	HT-2	77.1	88.14	82.62	0.44	43%	x			-2.70		-5.37					
L20	T-2	313.9	252.1	283	0.86	20%	x	x	x	-0.74		-1.47					
L20	FB1	4079	4416	4247	1.29	20%	x	x	x	2.15		2.14					
L20	FB2	546.8	542.5	544.7	1.00	15%	x	x	x	0.00		-0.01					
L20	FB3	2363	2657	2510	1.10	37%	x	x	x	(0.70)		(0.47)					

#REF!

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The z- and ζ-scores are highlighted : in orange if unsatisfactorily low, in yellow if questionably low, in green if questionably high, in blue if unsatisfactorily high.)

		result 1	result 2	average		MU (k=2)	used for :			z-scores		ζ-scores		vial A		vial B	
		µg/kg	µg/kg	µg/kg	rel to MEDref		MEDtot	MEDref	MADref	on res.	on RL	on res.	on RL	ng	rel to MED	ng	rel to MED
L21	AfB1	22.05	23.82	22.94	1.03	9%	x	x	x	0.12		0.45					
L21	AfB2	1.635	1.69	1.663	0.97	10%	x	x	x	(-0.14)		(-0.38)					
L21	AfG1	10.5	11.3	10.9	1.04	10%	x	x	x	0.18		0.64					
L21	AfG2	0.795	0.78	0.788	1.58	10%	x	x	x	(2.62)		(4.98)					
L21	Aftot	34.98	37.59	36.29	1.07	9%	x	x	x	0.33		1.12					
L21	OTA	190	220.5	205.3	1.08	9%	x	x	x	(0.37)		(1.12)					
L21	DON	2311	2354	2333	1.09	4%	x	x	x	0.64		2.80					
L21	3-AcDON	24.37	23.59	(23.98) < 75	(0.61)					(-1.77)	(< 4.15)	(-)	(-)				
L21	15-AcDON	90.05	88.61	89.33	1.09		x	x	x	(0.40)		(-)					
L21	AcDONtot	114.4	112.2	113.3	0.74		x	x	x	(-1.24)		(-)					
L21	ZEN	631.8	648.6	640.2	1.14	13%	x	x	x	(0.78)		(1.64)					
L21	HT-2	176.1	180.8	178.5	0.96	16%	x	x	x	-0.20		-0.48					
L21	T-2	320.1	343.5	331.8	1.01	14%	x	x	x	0.04		0.10					
L21	HT-2 + T-2	496.2	524.3	510.3	0.93	15%	x	x	x	-0.41		-0.96					
L21	FB1	3074	3052	3063	0.93	14%	x	x	x	-0.54		-0.96					
L21	FB2	456.5	478.6	467.6	0.86	20%	x	x	x	-0.81		-1.47					
L21	FB1 + FB2	3531	3531	3531	0.92	16%	x	x	x	-0.60		-0.99					
L21	FB3	400	416	408	0.18	16%	x			(-5.81)		(-16.19)					
L22	AfB1	38.9	45.2	42.05	1.88	10%	x			4.01		8.53	13.32	1.21	0.35	0.36	
L22	AfB2	3.2	5.3	4.25	2.48	10%	x			(6.73)		(10.59)	15.78	1.12	0.81	0.43	
L22	AfG1	23.4	25.4	24.4	2.33	10%	x			6.04		10.78	17.9	1.70	0.16	0.26	
L22	AfG2	2.3	2	2.15	4.30	10%	x			(15.00)		(14.13)	22.2	1.72	0.39	0.34	
L22	Aftot	67.8	77.9	72.85	2.15	10%	x			5.24		9.85	69.2	1.42	1.71	0.38	
L22	OTA	188.5	204.7	196.6	1.03	14%	x	x	x	(0.15)		(0.36)	15.8	1.05	2.79	1.06	
L22	DON	3382	3264	3323	1.55	10%	x			3.88		7.07	177.2	1.38	13.88	0.73	
L22	3-AcDON	403.9	381.6	392.8	10.02	10%	x			(40.98)		(18.21)					
L22	15-AcDON	256.2	214.5	235.4	2.86	10%	x			(8.47)		(9.47)					
L22	AcDONtot	660.1	596.1	628.1	4.08	10%	x			(14.54)		(13.89)					
L22	ZEN	987.1	895.5	941.3	1.67	15%	x			(3.85)		(5.08)	164.1	1.04	20.25	0.84	
L22	HT-2	225	232.4	228.7	1.23	9%	x	x	x	1.11		3.36	101.9	0.63	18.44	0.59	
L22	T-2	544.7	559.7	552.2	1.68	6%	x			3.59		10.11	184.4	1.21	35.19	1.21	
L22	HT-2 + T-2	769.7	792.1	780.9	1.42	6%	x	x	x	2.41		7.76	286.2	0.91	53.63	0.86	
L22	FB1	1051	1046	1048	0.32	24%	x			-5.11		-12.89	142.7	1.01	17.33	0.78	
L22	FB2	253.5	218.9	236.2	0.43	24%	x			-3.23		-8.49	105.5	0.94	13.86	0.79	
L22	FB1 + FB2	1304	1264	1284	0.33	24%	x			-5.09		-12.71	248.2	0.99	31.19	0.86	
L22	FB3	775.4	781.2	778.3	0.34	24%	x			(-4.67)		(-10.39)	122.6	0.94	14.51	0.85	
L23	AfB1	25.04	23.28	24.16	1.08	16%	x	x	x	0.37		0.85	11.49	1.04	0.688	0.71	
L23	AfB2	2.579	2.318	2.449	1.43	20%	x	x	x	(1.95)		(2.75)	14.23	1.01	1.86	0.99	
L23	AfG1	12.39	9.881	11.14	1.06	26%	x	x	x	0.29		0.44	10.04	0.95	0.47	0.75	
L23	AfG2	0.913	0.814	0.864	1.73	48%	x	x	x	(3.31)		(1.72)	12.58	0.98	1.239	1.08	
L23	Aftot	40.92	36.29	38.61	1.14	30%	x	x	x	0.64		0.80	48.34	0.99	4.256	0.94	
L23	OTA	167.2	184.5	175.9	0.92	12%	x	x	x	(-0.38)		(-1.09)	14.09	0.93	2.952	1.12	
L23	DON	2527	2661	2594	1.21	43%	x	x	x	1.49		0.81	128.8	1.01	29.37	1.55	
L23	3-AcDON	18.29	19.27	18.78	0.48	17%	x			(-2.37)		(-4.13)					
L23	15-AcDON	27.32	30.13	28.73	0.35	33%	x			(-2.96)		(-4.27)					
L23	AcDONtot	45.61	49.4	47.51	0.31	18%	x			(-3.26)		(-6.40)					
L23	ZEN	603.2	554.1	578.7	1.03	48%	x	x	x	(0.16)		(0.11)	112.6	0.72	18.27	0.76	
L23	HT-2	245.5	226.7	236.1	1.27	42%	x	x	x	1.30		1.00	158.1	0.98	33.54	1.08	
L23	T-2	355.1	319.1	337.1	1.02	28%	x	x	x	0.13		0.16	143.1	0.94	28.38	0.97	
L23	HT-2 + T-2	600.6	545.8	573.2	1.04	25%	x	x	x	0.25		0.32	301.2	0.96	61.92	0.99	
L23	FB1	2333	2279	2306	0.70	39%	x	x	x	-2.25		-2.13	137.5	0.97	26.37	1.19	
L23	FB2	487.8	462.9	475.4	0.87	39%	x	x	x	-0.73		-0.73	112.7	1.00	18.03	1.03	
L23	FB1 + FB2	2821	2742	2782	0.73	28%	x	x	x	-2.10		-2.56	250.2	1.00	44.4	1.22	
L24	AfB1	22.63	20.61	21.62	0.97	21%	x	x	x	-0.15		-0.30					
L24	AfB2	2.144	1.971	2.057	1.20	20%	x	x	x	(0.91)		(1.48)					
L24	AfG1	9.621	9.217	9.419	0.90	21%	x	x	x	-0.46		-0.98					
L24	AfG2	0.83	0.744	0.787	1.57	20%	x	x	x	(2.61)		(3.22)					
L24	Aftot	35.22	32.54	33.88	1.00	41%	x	x	x	0.01		0.01					
L24	OTA	274.6	245	259.8	1.36	24%	x	x	x	(1.76)		(2.16)					
L24	DON	2415	2342	2379	1.11	23%	x	x	x	0.79		0.86					
L24	ZEN	665.8	765.5	715.6	1.27	12%	x	x	x	(1.55)		(3.22)					
L24	HT-2	208.6	195.6	202.1	1.09	12%	x	x	x	0.41		1.14					
L24	T-2	474.9	386.8	430.8	1.31	9%	x	x	x	1.63		4.39					
L24	HT-2 + T-2	683.4	582.4	632.9	1.15	15%	x	x	x	0.87		1.70					
L24	FB1	3659	3139	3399	1.03	25%	x	x	x	0.22		0.23					
L24	FB2	529.3	540	534.7	0.98	21%	x	x	x	-0.11		-0.17					
L24	FB1 + FB2	4189	3679	3934	1.03	33%	x	x	x	0.20		0.15					



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		result 1	result 2	average		MU (k=2)	used for :			z-scores		ζ-scores		vial A		vial B	
		µg/kg	µg/kg	µg/kg	rel to MEDref		MEDtot	MEDref	MADref	on res.	on RL	on res.	on RL	ng	rel to MED	ng	rel to MED
L25	AfB1	25.1	24.2	24.65	1.10		x	x	x	0.47		-					
L25	Aftot	33.9	30.2	32.05	0.95		x	x	x	-0.24		-					
L26	AfB1	23.83	25.03	24.43	1.09	7%	x	x	x	0.43		1.68	12.6	1.14	1.1	1.14	
L26	AfB2	0.92	0.94	0.93	0.54	4%	x	x	x	(-2.08)		(-7.23)	18.4	1.30	1.4	0.74	
L26	AfG1	10.31	10.86	10.59	1.01	7%	x	x	x	0.05		0.20	10.1	0.96	0.7	1.12	
L26	AfG2	0.4	0.48	0.44	0.88	25%	x	x	x	(-0.55)		(-0.86)	12.9	1.00	1.2	1.04	
L26	Aftot	35.46	37.31	36.39	1.08	52%	x	x	x	0.34		0.27	54	1.11	4.4	0.97	
L26	OTA	503.9	586.7	545.3	2.86	22%	x			(9.05)		(5.99)	129.2	8.57	31.43	11.93	
L26	DON	1434	1678	1556	0.73	22%	x	x	x	-1.91		-3.24	108.5	0.85	17.81	0.94	
L26	15-AcDON	142.7	140.1	141.4	1.72	3%	x			(3.28)		(5.05)					
L26	ZEN	535.6	521.9	528.8	0.94	4%	x	x	x	(-0.35)		(-1.52)	154.9	0.98	24.08	1.00	
L26	HT-2	137.3	148.3	142.8	0.77	11%	x	x	x	-1.13		-4.02	167.9	1.04	31.61	1.01	
L26	T-2	231.6	280.9	256.3	0.78	27%	x	x	x	-1.17		-1.94	168.7	1.11	31.68	1.09	
L26	HT-2 + T-2	368.9	429.2	399.1	0.73	21%	x	x	x	-1.56		-3.28	336.6	1.07	63.29	1.01	
L26	FB1	586.7	718.4	652.6	0.20	29%	x			-6.00		-17.27	42.91	0.30	7.409	0.33	
L27	DON	2036	2115	2076	0.97	29%	x	x	x	-0.21		-0.21	97.7	0.76	13.9	0.73	
L27	ZEN	449.4	408.2	428.8	0.76	36%	x	x	x	(-1.37)		(-1.69)	168.4	1.07	18.7	0.78	
L27	HT-2	202.5	200.2	201.4	1.08	41%	x	x	x	0.40		0.36	164	1.02	29.3	0.94	
L27	T-2	354	432.5	393.3	1.20	35%	x	x	x	1.03		0.92	129.3	0.85	23.7	0.81	
L27	HT-2 + T-2	556.5	632.7	594.6	1.08	34%	x	x	x	0.47		0.45	293.3	0.93	53	0.85	
L27	FB1	2338	2358	2348	0.71	28%	x	x	x	-2.16		-2.70	60	0.42	60	2.71	
L27	FB2	364	368.5	366.3	0.67	37%	x	x	x	-1.87		-2.48	60	0.53	60	3.41	
L27	FB1 + FB2	2702	2726	2714	0.71	28%	x	x	x	-2.24		-2.83	60	0.24	60	1.65	
L28	AfB1	18	18	18	0.81	18%	x	x	x	-0.88		-2.31					
L28	AfB2	1.51	1.44	(1.475) < 1.5	(0.86)	32%	LRL	LRL		(-0.63) (< -0.57)		(-0.92) (< -0.82)					
L28	AfG1	10	12	11	1.05	32%	x	x	x	0.23		0.29					
L28	AfG2	1.04	1.08	(1.06) < 1.5	(2.12)	22%				(5.09) (< 9.09)		(4.54) (< 8.11)					
L28	Aftot	30.55	32.52	31.54	0.93	53%	x	x	x	-0.31		-0.27					
L28	OTA	180	180	180	0.94	18%	x	x	x	(-0.28)		(-0.58)					
L28	DON	2000	1600	1800	0.84	37%	x	x	x	-1.11		-1.00					
L28	ZEN	270	410	340	0.60	42%	x	x	x	(-2.27)		(-3.04)					
L28	HT-2	180	170	175	0.94	16%	x	x	x	-0.29		-0.69					
L28	T-2	460	340	400	1.22	23%	x	x	x	1.14		1.50					
L28	HT-2 + T-2	640	510	575	1.05	28%	x	x	x	0.27		0.31					
L28	FB1	3100	2600	2850	0.86	15%	x	x	x	-1.02		-1.83					
L28	FB2	550	540	545	1.00	15%	x	x	x	0.00		0.00					
L28	FB1 + FB2	3650	3140	3395	0.89	21%	x	x	x	-0.88		-1.16					

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		result 1	result 2	average		MU (k=2)	used for :			z-scores		ζ-scores		vial A		vial B	
		µg/kg	µg/kg	µg/kg	rel to MEDref		MEDtot	MEDref	MADref	on res.	on RL	on res.	on RL	ng	rel to MED	ng	rel to MED
L29	AfB1	16.85	14.93	15.89	0.71		x	x	x	-1.31	-		11.64	1.06	0.664	0.69	
L29	AfB2	1.207	1.047	1.127	0.66		x	x	x	(-1.56)	(-)		17.37	1.23	1.886	1.00	
L29	AfG1	8.787	7.02	7.904	0.75		x	x	x	-1.12	-		9.84	0.93	0.388	0.62	
L29	AfG2	0.419	0.437	0.428	0.86		x	x	x	(-0.65)	(-)		13.26	1.03	0.932	0.81	
L29	Aftot	27.27	23.43	25.35	0.75		x	x	x	-1.14	-		52.11	1.07	3.869	0.85	
L29	OTA	159.1	127.1	143.1	0.75		x	x	x	(-1.22)	(-)		12.98	0.86	2.635	1.00	
L29	DON	1127	1049	1088	0.51		x	x	x	-3.44	-		104.4	0.82	13.09	0.69	
L29	ZEN	463.8	422.3	443	0.79		x	x	x	(-1.22)	(-)		151.1	0.96	23.05	0.96	
L29	HT-2	162	158.5	160.3	0.86		x	x	x	-0.68	-		181.4	1.12	33.99	1.09	
L29	T-2	287.2	274.8	281	0.85		x	x	x	-0.77	-		154.9	1.02	30.99	1.06	
L29	HT-2 + T-2	449.2	433.3	441.3	0.80		x	x	x	-1.12	-		336.3	1.07	64.98	1.04	
L29	FB1	3268	3043	3155	0.96		x	x	x	-0.33	-		124.2	0.88	22.98	1.04	
L29	FB2	479.2	478.4	478.8	0.88		x	x	x	-0.69	-		78.22	0.69	10.03	0.57	
L29	FB1 + FB2	3747	3521	3634	0.95		x	x	x	-0.40	-		202.5	0.81	33.01	0.91	
L30	AfB1	13.08	13.25	13.16	0.59	31%	x	x	x	-1.87	-4.11		12.14	1.10	0.973	1.01	
L30	AfB2	< 2.5		< 2.5		30%				(< 2.08)	(< 2.02)		14.81	1.05	2.249	1.19	
L30	AfG1	8.752	9.264	9.008	0.86	26%	x	x	x	-0.64	-1.19		13.32	1.26	0.625	1.00	
L30	AfG2	< 2.5		< 2.5		23%				(< 18.18)	(< 6.88)		17.56	1.36	1.726	1.50	
L30	Aftot	21.83	22.51	22.17	0.66		x	x	x	-1.57	-						
L30	OTA	127.1	143.5	135.3	0.71	23%	x	x	x	(-1.42)	(-3.11)		5.386	0.36	1.108	0.42	
L30	DON	1948	1655	1801	0.84	39%	x	x	x	-1.11	-0.95		134.5	1.05	15.76	0.83	
L30	3-AcDON	< 80		< 80		49%				(< 4.73)	(< 2.02)						
L30	15-AcDON	< 200		< 200		32%				(< 6.52)	(< 3.46)						
L30	AcDONtot	< 280		< 280						(< 3.87)	(-)						
L30	ZEN	524	585.8	554.9	0.99	18%	x	x	x	(-0.08)	(-0.15)		159.8	1.02	25.73	1.07	
L30	HT-2	169.9	121.8	145.9	0.78	36%	x	x	x	-1.05	-1.48		149.4	0.93	30.94	0.99	
L30	T-2	278.7	275.1	276.9	0.84	39%	x	x	x	-0.84	-0.94		157.1	1.03	31.06	1.07	
L30	HT-2 + T-2	448.6	396.9	422.7	0.77		x	x	x	-1.32	-						
L31	AfB1	25.46	40.2	32.83	1.47		x	x	x	2.14	-		7.786	0.71	0.964	1.00	
L31	AfB2	0.466	0.575	0.52	0.30		x			(-3.17)	(-)		2.19	0.16	0.255	0.14	
L31	AfG1	10.98	12.03	11.5	1.10		x	x	x	0.44	-		6.241	0.59	0.243	0.39	
L31	AfG2	0.376	0.413	0.395	0.79		x	x	x	(-0.95)	(-)		6.338	0.49	0.636	0.55	
L31	Aftot	37.28	53.22	45.25	1.34		x	x	x	1.53	-		22.56	0.46	2.099	0.46	
L31	OTA	185.4	194	189.7	0.99		x	x	x	(-0.03)	(-)		8.915	0.59	1.759	0.67	
L31	DON	2082	2267	2175	1.02		x	x	x	0.12	-		89.26	0.70	7.697	0.41	
L31	ZEN	293.4	393.4	343.4	0.61		x	x	x	(-2.24)	(-)		18.78	0.12			
L31	HT-2	279.9	213.6	246.7	1.32		x	x	x	1.58	-		131	0.81	20.8	0.67	
L31	T-2	254.4	266.9	260.6	0.79		x	x	x	-1.10	-		83.42	0.55	17.13	0.59	
L31	HT-2 + T-2	534.3	480.4	507.4	0.92		x	x	x	-0.44	-		214.4	0.68	37.93	0.61	
L31	FB1	3230	3280	3255	0.99		x	x	x	-0.10	-						
L31	FB2	707	839.1	773.1	1.42		x	x	x	2.39	-						
L31	FB1 + FB2	3940	4120	4030	1.05		x	x	x	0.39	-						
L31	FB3	2130	2760	2445	1.07		x	x	x	(0.50)	(-)						
L32	AfB1	30.24	26.81	28.53	1.28	32%	x	x	x	1.26	1.33		11.35	1.03	0.66	0.68	
L32	AfB2	1.79	1.626	1.708	1.00	32%	x	x	x	(-0.02)	(-0.02)		13.6	0.96	1.394	0.74	
L32	AfG1	14.65	12.81	13.73	1.31	32%	x	x	x	1.41	1.46		10.81	1.03	0.417	0.67	
L32	AfG2	< 0.2		< 0.2		32%	LRL			(< -2.73)	(< -5.58)		12.94	1.00	0.838	0.73	
L32	Aftot	46.68	41.25	43.97	1.30	32%	x	x	x	1.36	1.41		48.71	1.00	3.309	0.73	
L32	OTA	236.5	296.5	266.5	1.40	21%	x	x	x	(1.93)	(2.58)		21.2	1.41	3.85	1.46	
L32	DON	2373	2286	2330	1.09	24%	x	x	x	0.63	0.67		316.2	2.47	58.94	3.10	
L32	3-AcDON	< 500		< 500						(< 53.40)	(-)						
L32	15-AcDON	< 500		< 500						(< 23.11)	(-)						
L32	ZEN	625.8	534.1	580	1.03	29%	x	x	x	(0.17)	(0.19)		183.1	1.16	26.12	1.08	
L32	HT-2	241.6	213	227.3	1.22	45%	x	x	x	1.07	0.80		180.7	1.12	36.03	1.16	
L32	T-2	354.7	297.9	326.3	0.99	16%	x	x	x	-0.04	-0.09		142.6	0.94	29.25	1.00	
L32	HT-2 + T-2	596.3	510.9	553.6	1.01	45%	x	x	x	0.04	0.03		323.3	1.03	65.28	1.04	
L32	FB1	4017	3813	3915	1.19	18%	x	x	x	1.39	1.65		161.1	1.14	22.13	1.00	
L32	FB2	631.7	732.5	682.1	1.25	10%	x	x	x	1.43	3.33		113.1	1.00	14.21	0.81	
L32	FB1 + FB2	4649	4546	4598	1.20	18%	x	x	x	1.52	1.76		274.2	1.10	36.34	1.00	

## #REF!

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The z- and ζ-scores are highlighted : in orange if unsatisfactorily low, in yellow if questionably low, in green if questionably high, in blue if unsatisfactorily high.)

		result 1	result 2	average		MU (k=2)	used for :			z-scores		ζ-scores		vial A		vial B	
		µg/kg	µg/kg	µg/kg	rel to MEDref		MED <sub>tot</sub>	MED <sub>ref</sub>	MAD <sub>ref</sub>	on res.	on RL	on res.	on RL	ng	rel to MED	ng	rel to MED
L33	AfB1	24.6	20	22.3	1.00	50%	x	x	x	-0.01		-0.01		13.2	1.20	1.18	1.22
L33	OTA	124	157	140.5	0.74	50%	x	x	x	(-1.28)		(-1.39)		14.2	0.94	2.83	1.07
L33	DON	2022	1942	1982	0.93	40%	x	x	x	-0.51		-0.39		128	1.00	26.1	1.37
L33	ZEN	464	641	552.5	0.98	60%	x	x	x	(-0.11)		(-0.06)		147	0.93	25.2	1.05
L33	HT-2	122	147	134.5	0.72	50%	x	x	x	-1.35		-1.50		159	0.99	33.3	1.07
L33	T-2	227	277	252	0.77	50%	x	x	x	-1.24		-1.20		155	1.02	32.4	1.11
L33	HT-2 + T-2	349	424	386.5	0.70	50%	x	x	x	-1.69		-1.66		314	1.00	65.7	1.05
L33	FB1	3366	3133	3250	0.98	50%	x	x	x	-0.11		-0.06		221	1.57	31.8	1.44
L33	FB2	566	492	(529) < 867	(0.97)	50%	x	x	x	(-0.17)	< 3.37	(-0.12)	< 2.40	159	1.41	19.7	1.12
L33	FB1 + FB2	3932	3625	3779	0.99	50%	x	x	x	-0.11		-0.06		380	1.52	51.5	1.42
L34	AfB1	20.2	22.8	21.5	0.96	30%	x	x	x	-0.17		-0.25		9.73	0.88	1.1	1.14
L34	AfB2	1.72	1.85	1.785	1.04	30%	x	x	x	(0.19)		(0.25)		14.1	1.00	2.02	1.07
L34	AfG1	10.1	11.8	10.95	1.04	30%	x	x	x	0.20		0.28		11.5	1.09	0.89	1.42
L34	AfG2	0.81	0.9	0.855	1.71	30%	x	x	x	(3.23)		(2.62)		17.5	1.36	1.7	1.48
L34	Aftot	32.83	37.35	35.09	1.04	30%	x	x	x	0.17		0.23		52.83	1.08	5.71	1.25
L34	OTA	177	192	184.5	0.97	30%	x	x	x	(-0.16)		(-0.22)		14.96	0.99	0.88	0.33
L34	DON	2058	2107	2083	0.97	30%	x	x	x	-0.18		-0.18		140	1.09	23.5	1.24
L34	ZEN	623	666	644.5	1.14	20%	x	x	x	(0.83)		(1.20)		163	1.04	28	1.16
L34	HT-2	205	208	206.5	1.11	30%	x	x	x	0.53		0.64		170	1.05	32.8	1.05
L34	T-2	358	349	353.5	1.07	30%	x	x	x	0.39		0.45		157	1.03	31.7	1.09
L34	HT-2 + T-2	563	557	560	1.02	30%	x	x	x	0.11		0.12		327	1.04	64.5	1.03
L34	FB1	3288	3341	3315	1.00	30%	x	x	x	0.03		0.03					
L34	FB2	547	549	548	1.01	30%	x	x	x	0.03		0.04					
L34	FB1 + FB2	3835	3890	3863	1.01	30%	x	x	x	0.06		0.05					
L35	AfB1	28	33	30.5	1.37	34%	x	x	x	1.66		1.55					
L35	AfB2	1.29	1.26	1.275	0.74	37%	x	x	x	(-1.16)		(-1.70)					
L35	AfG1	12	15	13.5	1.29	43%	x	x	x	1.31		1.03					
L35	AfG2	1.06	1.05	1.055	2.11	40%	x			(5.05)		(2.58)					
L35	Aftot	42.35	50.31	46.33	1.37	43%	x	x	x	1.68		1.24					
L35	OTA	177	182	(179.5) > 160	(0.94)	28%	x	x	x	(-0.29)	(> -0.79)	(-0.42)	(> -1.16)				
L35	DON	2001	2575	2288	1.07	32%	x	x	x	0.49		0.40					
L35	ZEN	465	503	484	0.86	25%	x	x	x	(-0.81)		(-1.24)					
L35	HT-2	159	179	169	0.91	33%	x	x	x	-0.45		-0.60					
L35	T-2	276	300	288	0.88	14%	x	x	x	-0.66		-1.69					
L35	HT-2 + T-2	435	479	457	0.83	33%	x	x	x	-0.96		-1.20					
L35	FB1	2169	2272	2221	0.67	36%	x	x	x	-2.45		-2.58					
L35	FB2	442	435	438.5	0.80	36%	x	x	x	-1.11		-1.30					
L35	FB1 + FB2	2611	2707	2659	0.69	36%	x	x	x	-2.34		-2.37					
L36	AfB1	23.04	24.3	23.67	1.06		x	x	x	0.27		-		10.9	0.99	0.627	0.65
L36	AfB2	2.05	2.03	2.04	1.19		x	x	x	(0.86)		(-)		15.2	1.08	1.77	0.94
L36	AfG1	10.6	10.9	10.75	1.03		x	x	x	0.12		-		9.63	0.91	0.324	0.52
L36	AfG2	0.63	0.67	(0.65) < 1	(1.30)					(1.36)	(< 4.55)	-	(-)	12	0.93	0.825	0.72
L36	OTA	195.3	190	192.7	1.01		x	x	x	(0.05)		(-)		16	1.06	3.15	1.20
L36	DON	2122	1863	1993	0.93		x	x	x	-0.48		-		125	0.98	19.2	1.01
L36	3-AcDON	23.4	24.4	(23.9) < 50	(0.61)					(-1.78)	(< 1.25)	(-)	(-)				
L36	15-AcDON	167.4	196.5	182	2.21		x			(5.52)		(-)					
L36	ZEN	674	603.8	638.9	1.13		x	x	x	(0.77)		(-)		165	1.05	22.9	0.95
L36	HT-2	148.5	162.1	155.3	0.83		x	x	x	-0.81		-		160	0.99	28.5	0.91
L36	T-2	392.5	393.4	393	1.19		x	x	x	1.03		-		156	1.02	28.4	0.97

#REF!

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The z- and ζ-scores are highlighted : in orange if unsatisfactorily low, in yellow if questionably low, in green if questionably high, in blue if unsatisfactorily high.)

		result 1	result 2	average		MU (k=2)	used for :			z-scores		ζ-scores		vial A		vial B	
		µg/kg	µg/kg	µg/kg	rel to MEDref		MEDtot	MEDref	MADref	on res.	on RL	on res.	on RL	ng	rel to MED	ng	rel to MED
L37	AfB1	22.66	22.04	22.35	1.00	40%	x	x	x	0.00		0.00		7.586	0.69	1.241	1.28
L37	AfB2	2.189	2.027	2.108	1.23	40%	x	x	x	(1.04)		(0.91)		10.29	0.73	1.944	1.03
L37	AfG1	10.22	10.74	10.48	1.00	40%	x	x	x	0.00		0.00		8.742	0.83	1.294	2.07
L37	AfG2	1.275	1.355	(1.315) < 2.5	(2.63)	40%				(7.41)	(< 18.18)	(3.06)	(< 7.50)	9.349	0.73	1.626	1.41
L37	Aftot	36.35	36.16	36.25	1.07	40%	x	x	x	0.32		0.33		35.97	0.74	6.105	1.34
L37	OTA	217.2	218.8	218	1.14	40%	x	x	x	(0.69)		(0.61)		10.49	0.70	2.011	0.76
L37	DON	2205	2167	2186	1.02	40%	x	x	x	0.15		0.11		93.87	0.73	17.58	0.93
L37	ZEN	577.9	657.3	617.6	1.10	40%	x	x	x	(0.55)		(0.43)		102	0.65	19.63	0.82
L37	HT-2	161.5	152.9	157.2	0.84	40%	x	x	x	-0.76		-0.90		79.99	0.50	15.49	0.50
L37	T-2	385.1	405.3	395.2	1.20	40%	x	x	x	1.06		0.82		80.08	0.53	15.79	0.54
L37	HT-2 + T-2	546.6	558.2	552.4	1.01	40%	x	x	x	0.03		0.03		160.1	0.51	31.28	0.50
L37	FB1	3770	3805	3788	1.15	40%	x	x	x	1.10		0.64		98.63	0.70	18.26	0.83
L37	FB2	444.6	436	440.3	0.81	40%	x	x	x	-1.10		-1.15		91.55	0.81	17	0.97
L37	FB1 + FB2	4215	4242	4228	1.10	40%	x	x	x	0.79		0.46		190.2	0.76	35.26	0.97
L37	FB3	1856	1830	1843	0.81	40%	x	x	x	(-1.37)		(-1.15)		47.07	0.36	8.414	0.49
L38	AfB1	18	14	16	0.72	40%	x	x	x	-1.29		-1.90					
L38	AfB2	0.8	0.52	0.66	0.39	40%	x			(-2.80)		(-6.21)					
L38	AfG1	7.9	5.4	6.65	0.63	40%	x	x	x	-1.66		-2.77					
L38	AfG2	0.4	0.6	0.5	1.00	40%	x	x	x	(0.00)		(0.00)					
L38	Aftot	27.1	20.5	23.8	0.70	40%	x	x	x	-1.35		-2.01					
L38	OTA	239	235	237	1.24	40%	x	x	x	(1.18)		(0.96)					
L38	DON	2400	2400	2400	1.12	40%	x	x	x	0.86		0.54					
L38	3-AcDON	49	60	54.5	1.39	40%	x	x	x	(1.77)		(1.29)					
L38	15-AcDON	100	120	110	1.34	40%	x	x	x	(1.54)		(1.12)					
L38	AcDONtot	149	180	164.5	1.07	40%	x	x	x	(0.33)		(0.29)					
L38	ZEN	620	620	620	1.10	40%	x	x	x	(0.58)		(0.45)					
L38	HT-2	290	270	280	1.50	40%	x			2.44		1.66					
L38	T-2	420	390	405	1.23	40%	x	x	x	1.22		0.92					
L38	HT-2 + T-2	710	660	685	1.25	40%	x	x	x	1.41		0.98					
L38	FB1	2220	2220	2220	0.67	40%	x	x	x	-2.45		-2.35					
L38	FB2	127	127	127	0.23	40%	x			-4.38		-12.21					
L38	FB1 + FB2	2350	2350	2350	0.61	40%	x	x	x	-2.96		-3.04					
L38	FB3	784	784	784	0.34	40%	x			(-4.65)		(-7.81)					
L39	AfB1	12	10	11	0.49	36%	x			-2.31		-5.16					
L39	AfB2	3.4	3.2	3.3	1.93	36%	x			(4.21)		(2.60)					
L39	AfG1	6.6	6	6.3	0.60	40%	x	x	x	-1.81		-3.20					
L39	AfG2			< 2.39							(< 17.18)		(-)				
L39	Aftot	21.7	19.6	20.65	0.61		x	x	x	-1.77		-					
L39	OTA	102	136	119	0.62	12%	x	x	x	(-1.83)		(-6.41)					
L39	DON	1735	1773	1754	0.82	29%	x	x	x	-1.26		-1.51					
L39	3-AcDON	65	70	67.5	1.72	39%	x			(3.28)		(2.05)					
L39	15-AcDON	103	116	109.5	1.33	37%	x	x	x	(1.51)		(1.18)					
L39	AcDONtot	168	186	177	1.15	51%	x	x	x	(0.71)		(0.49)					
L39	ZEN	443	490	466.5	0.83	30%	x	x	x	(-0.98)		(-1.33)					
L39	HT-2	152	138	145	0.78	35%	x	x	x	-1.07		-1.58					
L39	T-2	322	272	297	0.90	37%	x	x	x	-0.51		-0.57					
L39	HT-2 + T-2	473	410	441.5	0.80	52%	x	x	x	-1.12		-0.93					
L39	FB1	2772	2567	(2670) > 1200	(0.81)	12%				(-1.43)	(> -4.76)	(-3.20)	(> -10.66)				
L39	FB2	350	342	346	0.63	8%	x	x	x	-2.08		-7.40					
L39	FB1 + FB2	3123	2909	3016	0.79	9%	x	x	x	-1.63		-4.29					
L39	FB3	1279	1193	(1236) > 750	(0.54)	32%				(-3.25)	(> -4.75)	(-4.58)	(> -6.71)				
L40	AfB1	29.64	28.93	29.29	1.31	30%	x	x	x	1.42		1.55		10.4	0.94	0.7	0.72
L40	AfB2	0.5	0.5	(0.5) < 2.5	(0.29)	50%				(-3.22)	(< 2.08)	(-7.39)	(< 4.78)	9.9	0.70	1.4	0.74
L40	AfG1	10.03	11.89	10.96	1.05	50%	x	x	x	0.21		0.17		11.2	1.06	0.3	0.48
L40	AfG2	1.1	1.2	(1.15) < 2.5	(2.30)	50%				(5.91)	(< 18.18)	(2.24)	(< 6.88)	11.5	0.89	1.2	1.04
L40	Aftot	39.67	40.82	40.25	1.19	30%	x	x	x	0.86		1.03		43	0.88	3.6	0.79
L40	OTA	124.7	98	111.4	0.58	30%	x	x	x	(-2.03)		(-4.21)		13.9	0.92	2.2	0.83
L40	DON	1611	1650	1631	0.76	30%	x	x	x	-1.66		-2.03		50.2	0.39	10	0.53
L40	ZEN	463.4	483	473.2	0.84	30%	x	x	x	(-0.92)		(-1.22)		137.4	0.87	19.7	0.82
L40	HT-2	257.5	224.5	241	1.29	50%	x	x	x	1.43		0.90		180.2	1.12	30.8	0.99
L40	T-2	370.2	397.4	383.8	1.17	30%	x	x	x	0.88		0.93		119.9	0.79	23.4	0.80
L40	HT-2 + T-2	627.7	621.9	624.8	1.14	50%	x	x	x	0.78		0.48		300.1	0.96	54.2	0.87
L40	FB1	3562	3009	3286	1.00	40%	x	x	x	-0.03		-0.02		163.6	1.16	19.9	0.90
L40	FB2	537.5	501.6	519.6	0.95	30%	x	x	x	-0.27		-0.31		115.7	1.03	15.5	0.88
L40	FB1 + FB2	4100	3511	3805	0.99	40%	x	x	x	-0.06		-0.04		279.3	1.12	35.4	0.97

## #REF!

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		result 1	result 2	average		MU (k=2)	used for :			z-scores		ζ-scores		vial A		vial B	
		µg/kg	µg/kg	µg/kg	rel to MEDref		MEDtot	MEDref	MADref	on res.	on RL	on res.	on RL	ng	rel to MED	ng	rel to MED
L41	3-AcDON	44.5	38.5	41.5	1.06	17%	x	x	x	(0.26)		(0.39)					
L41	15-AcDON	70.2	76.4	73.3	0.89	17%	x	x	x	(-0.49)		(-0.68)					
L41	AcDONtot	114.7	114.9	114.8	0.75	17%	x	x	x	(-1.20)		(-2.09)					
L41	HT-2	143.1		143.1	0.77	8%	x	x	x	-1.12			165.9	1.03	36	1.16	
L41	T-2	286.2		286.2	0.87	7%	x	x	x	-0.69			159	1.04	36	1.24	
L41	HT-2 + T-2	429.3		429.3	0.78		x	x	x	-1.25		-	324.9	1.04	72	1.15	
L42	AfB1	14.81	14.7	14.76	0.66	34%	x	x	x	-1.54		-2.84					
L42	AfB2	0.78	0.88	0.83	0.48	82%	x			(-2.34)		(-2.48)					
L42	AfG1	6.85	7.8	7.325	0.70	75%	x	x	x	-1.37		-1.14					
L42	AfG2	0.15	0.16	(0.155) < 0.5	(0.31)	100%	LRL	LRL		(-3.14)	(< 0.00)	(-3.89)	(< 0.00)				
L42	Aftot	22.59	23.54	23.07	0.68	47%	x	x	x	-1.45		-1.92					
L42	DON	2395	2380	2388	1.12	42%	x	x	x	0.82		0.49					
L42	ZEN	365	366	365.5	0.65	35%	x	x	x	(-2.01)		(-2.94)					
L43	AfB1	13.5	14.2	13.85	0.62	62%	x	x	x	-1.73		-1.93	9.9	0.90	2	2.07	
L43	OTA	160.5	162.3	161.4	0.85	73%	x	x	x	(-0.75)		(-0.49)	19.8	1.31	1	0.38	
L43	T-2	123.1	119.5	121.3	0.37	87%	x			-3.34		-3.81	95	0.62	31.1	1.07	
L43	HT-2 + T-2			< 123			LRL			< -4.43		-					
L44	AfB1	30.78	30.4	30.59	1.37	50%	x	x	x	1.68		1.07	12.9	1.17	0.68	0.70	
L44	AfB2	2.78	2.74	< 4	(1.61)	50%				(2.77)	(< 6.06)	(1.50)	< 3.27	20.6	1.46	1.87	0.99
L44	AfG1	18.25	18.9	18.58	1.77	50%	x			3.51		1.74		17.9	1.70	0.51	0.82
L44	AfG2			< 16		50%					(< 140.91)		(< 3.87)	14	1.09	0.86	0.75
L44	Aftot	51.81	52.04	51.93	1.53	50%	x			2.43		1.39		65.4	1.34	3.92	0.86
L44	OTA	199.5	184.3	191.9	1.01	30%	x	x	x	(0.03)		(0.04)	12.96	0.86	2.18	0.83	
L44	DON	2090	2070	2080	0.97	30%	x	x	x	-0.19		-0.19	114	0.89	17.1	0.90	
L44	3-AcDON	79.6	85.6	< 400	(2.11)	30%				(5.03)	(< 41.81)	(3.28)	(< 27.24)				
L44	15-AcDON	121.5	117.5	(119.5) < 400	(1.45)	50%				(2.06)	(< 17.58)	(1.16)	(< 9.92)				
L44	AcDONtot	201.1	203.1	(202.1) < 400	(1.31)	50%				(1.48)	(< 7.55)	(0.91)	(< 4.64)				
L44	ZEN	662.8	621.8	642.3	1.14	30%	x	x	x	(0.81)		(0.80)			24.2	1.00	
L44	HT-2	192	195.8	193.9	1.04	30%	x	x	x	0.20		0.26	161.8	1.00	31.15	1.00	
L44	T-2	392	380.5	386.3	1.17	30%	x	x	x	0.92		0.96	160.8	1.05	28.65	0.98	
L44	HT-2 + T-2	584	576.3	580.1	1.06	30%	x	x	x	0.32		0.35	322.6	1.03	59.8	0.96	
L44	FB1	2254	2350	2302	0.70	50%	x	x	x	-2.26		-1.70	124.8	0.88			
L44	FB2			< 1000		50%					< 4.76		< 1.81				
L44	FB1 + FB2	2254	2350	2302	0.60	50%	x	x	x	-3.06		-2.60					

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		result 1	result 2	average		MU (k=2)	used for :			z-scores		ζ-scores		vial A		vial B	
		µg/kg	µg/kg	µg/kg	rel to MEDref		MEDtot	MEDref	MADref	on res.	on RL	on res.	on RL	ng	rel to MED	ng	rel to MED
L45	AfB1	20.4	20.3			40%	x	x	x	-0.40		-0.48		12.8	1.16	1.1	1.14
L45	AfB2	2	2			40%	x	x	x	(0.76)		(0.69)		15	1.06	2.1	1.11
L45	AfG1	9.1	9.6			40%	x	x	x	-0.49		-0.59		12.8	1.21	0.8	1.28
L45	AfG2	0.9	0.8	(0.85)	< 2.5	(1.70)	40%			(3.18)	(< 18.18)	(2.00)	(< 11.40)	15.8	1.23	1.6	1.39
L45	Aftot	32.4	32.7			40%	x	x	x	-0.17		-0.19		56.4	1.16	5.6	1.23
L45	OTA	192.3	263.5	(227.9)	> 100	(1.19)	40%			(0.95)	(> -2.32)	(0.80)	(> -1.96)	18	1.19	3.6	1.37
L45	DON	2527	2890			40%	x	x	x	1.87		1.05		155	1.21	30	1.58
L45	3-AcDON	32	28.3			40%	x	x	x	(-1.05)		(-1.19)					
L45	15-AcDON	186.2	174.4			40%	x			(5.43)		(2.59)					
L45	AcDONtot	218.2	202.7			40%	x	x	x	(1.74)		(1.26)					
L45	ZEN	635.2	1027			40%	x	x	x	(2.73)		(1.60)		173.3	1.10	33.5	1.39
L45	HT-2	224	199.9			40%	x	x	x	0.67		0.60		177.1	1.10	33.5	1.08
L45	T-2	523.5	343.6			40%	x	x	x	1.68		1.19		157.8	1.03	30	1.03
L45	HT-2 + T-2	747.5	543.5			40%	x	x	x	1.00		0.74		334.9	1.07	63.5	1.01
L45	FB1	3894	3837			40%	x	x	x	1.28		0.72		212.9	1.51	30	1.36
L45	FB2	674.2	648.4			40%	x	x	x	1.22		0.87		152.4	1.35	22.8	1.30
L45	FB1 + FB2	4568	4485			40%	x	x	x	1.38		0.76		365.3	1.46	52.8	1.45
L45	FB3	2386	2432			40%	x	x	x	(0.38)		(0.25)		214.8	1.64	30.5	1.79
L46	AfB1	17.91	20.45			20%	x	x	x	-0.64		-1.49					
L46	AfB2	1.12	1.26			40%	x	x	x	(-1.39)		(-2.01)					
L46	AfG1	7.95	8.88			40%	x	x	x	-0.90		-1.20					
L46	AfG2	0.32	0.38			40%	x	x	x	(-1.36)		(-1.82)					
L46	Aftot	27.3	30.97			20%	x	x	x	-0.63		-1.44					
L46	OTA	203	250			40%	x	x	x	(0.91)		(0.77)					
L46	DON	2225	2151			30%	x	x	x	0.16		0.15					
L46	ZEN	775	737			30%	x	x	x	(1.96)		(1.67)					
L46	FB1	4134	3771			30%	x	x	x	1.48		1.08					
L46	FB2	593	543			30%	x	x	x	0.24		0.26					
L46	FB1 + FB2	4727	4314			30%	x	x	x	1.37		1.00					
L47	AfB1	20.4	22.5			30%	x	x	x	-0.18		-0.26					
L47	AfB2	1.77	1.67			30%	x	x	x	(0.02)		(0.02)					
L47	AfG1	10.45	10.32			30%	x	x	x	-0.04		-0.06					
L47	AfG2	0.58	0.44			30%	x	x	x	(0.09)		(0.11)					
L47	OTA	324	455			30%	x			(5.07)		(3.36)					
L47	DON	2010	2250			30%	x	x	x	-0.03		-0.03					
L47	ZEN	584	534			30%	x	x	x	(-0.04)		(-0.05)					
L47	HT-2	258	249			30%	x	x	x	1.75		1.74					
L47	T-2	239	275			30%	x	x	x	-1.16		-1.76					
L47	FB1	3705	3780			30%	x	x	x	1.00		0.77					
L47	FB2	614	534			30%	x	x	x	0.30		0.33					
L48	AfB1	17.47	17.54			16%	x	x	x	-0.98		-2.89		13	1.18	0.9	0.93
L48	AfB2	1.15	1.15			25%	x	x	x	(-1.50)		(-3.15)		15	1.06	1.9	1.01
L48	AfG1	9	8.88			25%	x	x	x	-0.67		-1.30		12.5	1.19	0.6	0.96
L48	AfG2	0.39	0.38			25%	x	x	x	(-1.05)		(-1.78)		14	1.09	1.3	1.13
L48	Aftot	28.01	27.95			16%	x	x	x	-0.79		-2.19		54.5	1.12	4.7	1.03
L48	OTA	249.8	223			15%	x	x	x	(1.16)		(2.31)		15.5	1.03	3	1.14
L48	DON	2469	2391			20%	x	x	x	0.95		1.17		205.2	1.60	56.4	2.97
L48	ZEN	484.4	480.4			43%	x	x	x	(-0.82)		(-0.76)		150	0.95	20	0.83

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		result 1	result 2	average		MU (k=2)	used for :			z-scores		ζ-scores		vial A		vial B	
		µg/kg	µg/kg	µg/kg	rel to MEDref		MED <sub>tot</sub>	MED <sub>ref</sub>	MAD <sub>ref</sub>	on res.	on RL	on res.	on RL	ng	rel to MED	ng	rel to MED
L49	AfB1	27.2	24.59	25.9	1.16	10%	x	x	x	0.73		2.25	10.39	0.94	1.16	1.20	
L49	AfB2	2.32	2.21	2.265	1.32	10%	x	x	x	(1.46)		(3.54)	11.91	0.84	1.855	0.98	
L49	AfG1			< 0.5		10%	LRL				< -4.33	< -25.81	9.76	0.93	0.955	1.53	
L49	AfG2			< 0.5		10%	LRL	LRL			(< 0.00)	(< 0.00)	9.285	0.72	0.855	0.74	
L49	Aftot	29.51	26.8	28.16	0.83	10%	x	x	x	-0.76		-2.79	41.34	0.85	4.855	1.07	
L49	OTA	227	224.5	225.8	1.18	10%	x	x	x	(0.89)		(2.45)	15.48	1.03	3.035	1.15	
L49	DON	2583	2144	2364	1.11	10%	x	x	x	0.74		1.75	118.8	0.93	12.1	0.64	
L49	ZEN	550	434.5	492.3	0.87	10%	x	x	x	(-0.72)		(-2.21)	242.7	1.54	45.01	1.87	
L49	HT-2	261.5	241	251.3	1.35	10%	x	x	x	1.70		4.45	325.6	2.02	66.05	2.12	
L49	T-2	392	315	353.5	1.07	10%	x	x	x	0.39		1.10	346.4	2.27	61.83	2.12	
L49	HT-2 + T-2	653.5	556	604.8	1.10	10%	x	x	x	0.57		1.60	672	2.14	127.9	2.04	
L49	FB1	3778	3715	3746	1.13	10%	x	x	x	1.01		1.99	447.2	3.17	75.15	3.40	
L49	FB2	408.5	396	402.3	0.74	10%	x	x	x	-1.49		-4.68	325.3	2.89	56.53	3.22	
L49	FB1 + FB2	4186	4111	4148	1.08	10%	x	x	x	0.63		1.28	772.5	3.09	131.7	3.62	
L50	AfB1	16	15	15.5	0.69	2%	x	x	x	-1.39		-7.39	29	2.63	1.6	1.65	
L50	AfB2	0.83	1	0.915	0.53	7%	x	x	x	(-2.12)		(-7.18)	19.6	1.39	2	1.06	
L50	AfG1	2.5	3	2.75	0.26	8%	x			-3.35		-19.26	10.7	1.01			
L50	AfG2	8	9.7	8.85	17.70	9%	x			(75.91)		(20.83)					
L50	OTA	123	112	117.5	0.62	22%	x	x	x	(-1.87)		(-4.70)	11.7	0.78	2.5	0.95	
L50	DON	1030	1132	1081	0.51	11%	x	x	x	-3.47		-13.50	52	0.41	2.2	0.12	
L50	3-AcDON	16	13	14.5	0.37	10%	x			(-2.86)		(-5.22)					
L50	15-AcDON	11	14	12.5	0.15	9%	x			(-3.85)		(-6.01)					
L50	ZEN	215	206	210.5	0.37	4%	x			(-3.59)		(-16.83)	140	0.89	25	1.04	
L50	HT-2	42	46	44	0.24	3%	x			-3.71		-18.92	106	0.66	25	0.80	
L50	T-2	92	109	100.5	0.31	11%	x			-3.67		-15.56	107	0.70	61	2.09	
L50	FB1	7227	6988	7108	2.15	4%	x			8.63		20.34	533	3.77	77	3.48	
L50	FB2	462	572	517	0.95	4%	x	x	x	-0.29		-1.11	213	1.89	35	1.99	
L50	FB3	818	782	800	0.35	5%	x			(-4.60)		(-13.14)	186	1.42	25	1.47	
L51	AfB1	20.15	21.93	21.04	0.94	22%	x	x	x	-0.26		-0.52	9.92	0.90	1.02	1.05	
L51	AfB2	1.344	1.374	1.359	0.79	22%	x	x	x	(-0.94)		(-1.92)	12.72	0.90	2.01	1.07	
L51	AfG1	8.97	9.796	9.383	0.90	19%	x	x	x	-0.48		-1.11	10.57	1.00	0.7	1.12	
L51	AfG2	0.534	0.535	0.535	1.07	25%	x	x	x	(0.32)		(0.44)	11.91	0.92	1.24	1.08	
L51	Aftot	31	33.64	32.32	0.96		x	x	x	-0.20		-	45.12	0.93	4.97	1.09	
L51	DON	2563	2664	2614	1.22	22%	x	x	x	1.56		1.61	151.1	1.18	21.18	1.11	
L51	3-AcDON	40.17	33.7	36.94	0.94	30%	x	x	x	(-0.26)		(-0.31)					
L51	15-AcDON	65.93	84.36	75.15	0.91	52%	x	x	x	(-0.39)		(-0.31)					
L51	AcDONtot	106.1	118.1	112.1	0.73		x	x	x	(-1.28)		(-)					
L51	ZEN	498.9	412.8	455.9	0.81	37%	x	x	x	(-1.09)		(-1.25)	119.7	0.76	24.08	1.00	
L51	FB1	3886	3996	3941	1.19	11%	x	x	x	1.45		2.59	130.3	0.92	17.21	0.78	
L51	FB2	641.2	696.4	668.8	1.23	14%	x	x	x	1.30		2.40	82.29	0.73	8.385	0.48	
L51	FB1 + FB2	4527	4692	4610	1.20		x	x	x	1.55		-	212.6	0.85	25.6	0.70	
L51	FB3	2332	2238	2285	1.00	13%	x	x	x	(0.00)		(0.00)	116.2	0.89	14.11	0.83	

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		result 1	result 2	average		MU (k=2)	used for :			z-scores		ζ-scores		vial A		vial B	
		µg/kg	µg/kg	µg/kg	rel to MEDref		MEDdot	MEDref	MARef	on res.	on RL	on res.	on RL	ng	rel to MED	ng	rel to MED
E1	Enn-A	69	51	60	0.95	16%	x	x	x	-0.22		-0.57					
E1	Enn-A1	828	806	817	0.84	24%	x	x	x	-0.97		-1.42					
E1	Enn-B	19581	19434	(19508) > 4000	(1.33)	25%				(3.08)	(> -6.81)	(1.81)	(> -4.01)				
E1	Enn-B1	4900	4555	(4728) > 4000	(0.81)	21%				(-1.56)	> -2.58	(-1.91)	> -3.16				
E1	BEA	1255	1110	1183	0.76	30%	x	x	x	-1.62		-1.78					
E2	Enn-A	64.64	69.59	67.11	1.07	35%	x	x	x	0.30		0.34					
E2	Enn-A1	790.5	744.4	767.4	0.79	22%	x	x	x	-1.29		-2.14					
E2	Enn-B	21528	20229	20878	1.42	30%	x	x	x	(3.95)		(1.87)					
E2	Enn-B1	5550	6149	5850	1.00	24%	x	x	x	0.00		0.00					
E2	BEA	1552	1455	1503	0.96	57%	x	x	x	-0.25		-0.13		0.454	1.31	0.167	1.27
E3	Enn-A	62.52	60.13	61.33	0.97	10%	x	x	x	-0.12		-0.45		0.607	1.49	0.273	1.88
E3	Enn-A1	972.4	963	967.7	1.00	14%	x	x	x	0.00		0.00		0.472	1.34	0.2	1.61
E3	Enn-B	14533	14250	14392	0.98	8%	x	x	x	(-0.18)		(-0.24)		0.577	1.14	0.199	1.49
E3	Enn-B1	5863	5736	5800	0.99	16%	x	x	x	-0.07		-0.09		0.455	1.31	0.199	1.71
E3	BEA	663.8	632.8	648.3	0.42	24%	x			-3.91		-6.44		0.275	0.79	0.14	1.07
E4	Enn-A	134	156	145	2.30	40%	x			5.92		2.82					
E4	Enn-A1	1095	1042	1069	1.10	40%	x	x	x	0.65		0.47					
E4	Enn-B	20990	19220	20105	1.37	40%	x	x	x	(3.46)		(1.30)					
E4	Enn-B1	8180	6480	7330	1.25	40%	x	x	x	2.06		0.99					
E4	BEA	1830	2170	2000	1.28	40%	x	x	x	1.87		1.05					
E5	Enn-A	1140	1046	1093	17.35	4%	x			74.31		46.89					
E5	Enn-A1	17	15	16	0.02	10%	x			-6.12		-23.39					
E5	BEA	334	347	340.5	0.22	12%	x			-5.23		-10.14					
E6	Enn-A	72.3	76.57	74.44	1.18	31%	x	x	x	0.82		0.97					
E6	Enn-A1	897.7	935.6	916.7	0.95	35%	x	x	x	-0.33		-0.31					
E6	Enn-B	53409	56994	55201	3.76	43%	x			(25.85)		(3.40)					
E6	Enn-B1	7917	8340	8128	1.39	34%	x	x	x	3.18		1.61					
E6	BEA	1681	1633	1657	1.06	20%	x	x	x	0.41		0.47					
E7	Enn-A	59.2	58.6	58.9	0.93	25%	x	x	x	-0.30		-0.54		0.47	1.16	0.16	1.10
E7	Enn-A1	899.6	871.2	885.4	0.91	25%	x	x	x	-0.53		-0.70		0.36	1.03	0.12	0.97
E7	Enn-B	14580	14780	14680	1.00	25%	x	x	x	(0.00)		(0.00)		0.47	0.93	0.1	0.75
E7	Enn-B1	6110	5503	5806	0.99	25%	x	x	x	-0.06		-0.06		0.34	0.98	0.1	0.86
E7	BEA	1446	1289	1368	0.88	25%	x	x	x	-0.83		-0.93		0.35	1.01	0.13	0.99
E8	Enn-A	79	141	110	1.75	50%	x			3.39		1.70		0.19	0.47	0.038	0.26
E8	Enn-A1	1198	1252	(1225) > 1000	(1.27)	25%	LRL	LRL		(1.65)	> 0.21	(1.62)	> 0.20	0.146	0.42	0.015	0.12
E8	Enn-B	11505	13213	(12359) > 1000	(0.84)	25%				(-1.48)	(> -8.73)	(-1.24)	(> -7.29)	0.212	0.42	0.012	0.09
E8	Enn-B1	7240	7556	(7398) > 1000	(1.26)	25%				(2.16)	> -6.76	(1.59)	> -4.97	0.104	0.30	0.007	0.06
E8	BEA	1376	1350	(1363) > 1000	(0.87)	25%				(-0.85)	> -2.40	(-0.96)	> -2.71	0.227	0.65	0.019	0.15
E9	Enn-A	35.64	33.04	34.34	0.54		x	x	x	-2.07		-					
E9	Enn-A1	1027	989.2	1008	1.04		x	x	x	0.26		-					
E9	Enn-B	13534	12611	13073	0.89		x	x	x	(-1.03)		(-)					
E9	Enn-B1	5091	5287	5189	0.89		x	x	x	-0.92		-					
E9	BEA	1044	1200	1122	0.72		x	x	x	-1.88		-					
E10	Enn-A	65.06	64.3	64.68	1.03	40%	x	x	x	0.12		0.13		0.343	0.84	0.13	0.90
E10	Enn-A1	1192	1208	1200	1.24	40%	x	x	x	1.49		0.95		0.342	0.97	0.128	1.03
E10	Enn-B	29425	29159	29292	2.00	40%	x			(9.32)		(2.45)		0.542	1.07	0.168	1.25
E10	Enn-B1	9174	9236	9205	1.57	40%	x			4.68		1.80		0.353	1.02	0.133	1.14
E10	BEA	1829	1814	1821	1.17	40%	x	x	x	1.11		0.68		0.347	1.00	0.131	1.00
E11	Enn-A	69.05	70.78	69.92	1.11		x	x	x	0.50		-					
E11	Enn-A1	1568	1627	1598	1.65		x			4.05		-					
E11	Enn-B	7117	7147	7132	0.49		x			(-4.81)		(-)					
E11	Enn-B1	6340	6472	6406	1.10		x	x	x	0.77		-					
E11	BEA	1612	1630	1621	1.04		x	x	x	0.25		-					