



**Mycotoxin Proficiency Testing**  
**All Tests for Sample # 201462 Swine Feed**

Lab #	Code	Analyte	Method	Result 1	Result 2	Detect ?		LOD	Probability of Detection	Z Score	Assigned Value	Horwitz
						D1	D2					
0027	601.21	AB1 (ppb)	LC post-col photochem der. -FI	15.37	14.587	Y	Y		100%	-1.14	20	4.4
2052	601.23	AB1 (ppb)	LC-MS/MS	15.8	16	Y	Y		100%	-0.93	20	4.4
0010	601.23	AB1 (ppb)	LC-MS/MS	16.8	15.5	Y	Y		100%	-0.88	20	4.4
0013	601.24	AB1 (ppb)	Vicam Aflatest, LC-FI	19	16.5	Y	Y		100%	-0.51	20	4.4
0964	601.21	AB1 (ppb)	LC post-col photochem der. -FI	19.29	19.13	Y	Y		100%	-0.18	20	4.4
0001	601.23	AB1 (ppb)	LC-MS/MS	18.6	20.26	Y	Y		100%	-0.13	20	4.4
2023	601.24	AB1 (ppb)	Vicam Aflatest, LC-FI	18.6	20.5	Y	Y		100%	-0.10	20	4.4
0218	601.23	AB1 (ppb)	LC-MS/MS	24.1	22.7	Y	Y		100%	0.77	20	4.4
2060	601.23	AB1 (ppb)	LC-MS/MS	24.2	32.8	Y	Y		100%	1.93	20	4.4
0918	601.23	AB1 (ppb)	LC-MS/MS	28.3	29.2	Y	Y		100%	1.99	20	4.4
2033	601.23	AB1 (ppb)	LC-MS/MS	25.2	34.6	Y	Y		100%	2.25	20	4.4
0553	601.23	AB1 (ppb)	LC-MS/MS			N	N	1	100.00%	NoZ	20	4.4
0964	602.21	AB2 (ppb)	LC post-col photochem der.-FI	0.36	1.68	Y	Y		100%	-1.45	1.5	0.33
2023	602.24	AB2 (ppb)	Vicam Aflatest, LC-FI	1.2	1.3	Y	Y		100%	-0.76	1.5	0.33
2033	602.23	AB2 (ppb)	LC-MS/MS	1.7	0.9	Y	Y		100%	-0.61	1.5	0.33
0001	602.23	AB2 (ppb)	LC-MS/MS	1.43	1.23	Y	Y		100%	-0.52	1.5	0.33
0013	602.24	AB2 (ppb)	Vicam Aflatest, LC-FI	1.6	1.5	Y	Y		100%	0.15	1.5	0.33
0027	602.21	AB2 (ppb)	LC post-col photochem der.-FI	1.466	2.099	Y	Y		100%	0.86	1.5	0.33
0918	602.23	AB2 (ppb)	LC-MS/MS	1.47	2.47	Y	Y		100%	1.42	1.5	0.33
0218	602.23	AB2 (ppb)	LC-MS/MS	2.1	2	Y	Y		100%	1.67	1.5	0.33
2060	602.23	AB2 (ppb)	LC-MS/MS	2.5	3	Y	Y		100%	3.79	1.5	0.33
0010	602.23	AB2 (ppb)	LC-MS/MS	3		Y	N	1	93.51%	4.55	1.5	0.33
0553	602.23	AB2 (ppb)	LC-MS/MS			N	N	1	93.51%	NoZ	1.5	0.33
0027	603.21	AG1 (ppb)	LC post-col photochem der. -FI	0.971	1.786	Y	Y				ND (0.5)	
0964	603.21	AG1 (ppb)	LC post-col photochem der. -FI			N	N	3			ND (0.5)	
0001	603.23	AG1 (ppb)	LC-MS/MS		0.93	N	Y	0.5			ND (0.5)	
0010	603.23	AG1 (ppb)	LC-MS/MS			N	N	1			ND (0.5)	
0218	603.23	AG1 (ppb)	LC-MS/MS	1.1		Y	N	1			ND (0.5)	
0553	603.23	AG1 (ppb)	LC-MS/MS			N	N	1			ND (0.5)	
0918	603.23	AG1 (ppb)	LC-MS/MS	0.7	0.6	Y	Y				ND (0.5)	
2033	603.23	AG1 (ppb)	LC-MS/MS	1.03	2.7	Y	Y				ND (0.5)	
2052	603.23	AG1 (ppb)	LC-MS/MS			N	N	1			ND (0.5)	
2060	603.23	AG1 (ppb)	LC-MS/MS			N	N	1.1			ND (0.5)	
2023	603.24	AG1 (ppb)	Vicam Aflatest, LC-FI			N	N	0.6			ND (0.5)	

Lab #	Code	Analyte	Method	Result 1	Result 2	Detect ?		LOD	Probability of Detection	Z Score	Assigned Value	Horwitz
						D1	D2					
0964	604.21	AG2 (ppb)	LC post-col photochem der. -FI			N	N	1.6			ND (0.5)	
0001	604.23	AG2 (ppb)	LC-MS/MS			N	N	0.5			ND (0.5)	
0010	604.23	AG2 (ppb)	LC-MS/MS			N	N	1			ND (0.5)	
0218	604.23	AG2 (ppb)	LC-MS/MS			N	N	1			ND (0.5)	
0553	604.23	AG2 (ppb)	LC-MS/MS			N	N	1			ND (0.5)	
0918	604.23	AG2 (ppb)	LC-MS/MS			N	N	0.03			ND (0.5)	
2033	604.23	AG2 (ppb)	LC-MS/MS			N	N	1			ND (0.5)	
2052	604.23	AG2 (ppb)	LC-MS/MS			N	N	1			ND (0.5)	
2060	604.23	AG2 (ppb)	LC-MS/MS			N	N	1.6			ND (0.5)	
2023	604.24	AG2 (ppb)	Vicam Aflatest, LC-FI			N	N	0.6			ND (0.5)	
0959	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	1	1	Y	Y		100%	-6.07	830	136.5
0958	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	1.1		Y	N	0	100.00%	-6.07	830	136.5
0003	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	1.6	1.5	Y	Y		100%	-6.07	830	136.5
2072	610.99	Deoxynivalenol (ppb)	Miscellaneous technique	58.86	58.86	Y	Y		100%	-5.65	830	136.5
2072	610.99	Deoxynivalenol (ppb)	Miscellaneous technique	58.86	58.86	Y	Y		100%	-5.65	830	136.5
2060	610.23	Deoxynivalenol (ppb)	LC-MS/MS	468.2	440.3	Y	Y		100%	-2.75	830	136.5
2052	610.23	Deoxynivalenol (ppb)	LC-MS/MS	523	550	Y	Y		100%	-2.15	830	136.5
0001	610.23	Deoxynivalenol (ppb)	LC-MS/MS	594	488	Y	Y		100%	-2.12	830	136.5
0202	610.06	Deoxynivalenol (ppb)	r-Biopharm Ridascreen DON	500	600	Y	Y		100%	-2.05	830	136.5
0027	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	600	600	Y	Y		100%	-1.68	830	136.5
0957	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	600	600	Y	Y		100%	-1.68	830	136.5
0553	610.23	Deoxynivalenol (ppb)	LC-MS/MS	650.7	565.4	Y	Y		100%	-1.63	830	136.5
2033	610.23	Deoxynivalenol (ppb)	LC-MS/MS	634	598	Y	Y		100%	-1.57	830	136.5
0227	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	700	600	Y	Y		100%	-1.32	830	136.5
0218	610.25	Deoxynivalenol (ppb)	GC-MS	658	680	Y	Y		100%	-1.18	830	136.5
0035	610.08	Deoxynivalenol (ppb)	r-Biopharm Ridascreen FAST DOI	579	774	Y	Y		100%	-1.12	830	136.5
0297	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	800	800	Y	Y		100%	-0.22	830	136.5
0033	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	900	700	Y	Y		100%	-0.22	830	136.5
0964	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	800	900	Y	Y		100%	0.15	830	136.5
0660	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	900	934.8	Y	Y		100%	0.64	830	136.5
0918	610.23	Deoxynivalenol (ppb)	LC-MS/MS	1,040	920	Y	Y		100%	1.10	830	136.5
2023	610.20	Deoxynivalenol (ppb)	LC			N	N	15	100.00%	NoZ	830	136.5
2052	621.23	FB1 (ppb)	LC-MS/MS	1,259	1,167	Y	Y		100%	-1.27	1,500	225.7
0218	621.21	FB1 (ppb)	LC-FI, OPA der.	1,361	1,368	Y	Y		100%	-0.60	1,500	225.7
2033	621.23	FB1 (ppb)	LC-MS/MS	1,623	1,465	Y	Y		100%	0.19	1,500	225.7
0001	621.23	FB1 (ppb)	LC-MS/MS	1,701	1,727	Y	Y		100%	0.95	1,500	225.7
0553	621.23	FB1 (ppb)	LC-MS/MS	1,175	2,348	Y	Y		100%	1.16	1,500	225.7
2060	621.23	FB1 (ppb)	LC-MS/MS	2,032	2,458	Y	Y		100%	3.30	1,500	225.7
0218	622.21	FB2 (ppb)	LC-FI, OPA der.	336	328	Y	Y		100%	-0.93	400	73.448
2052	622.23	FB2 (ppb)	LC-MS/MS	434	364	Y	Y		100%	-0.01	400	73.448
2060	622.23	FB2 (ppb)	LC-MS/MS	413.2	439.1	Y	Y		100%	0.36	400	73.448
0553	622.23	FB2 (ppb)	LC-MS/MS	372.4	490.7	Y	Y		100%	0.43	400	73.448

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0001	622.23	FB2 (ppb)	LC-MS/MS	489.5	485.2	Y	Y		100%	1.19	400	73.448
2033	622.23	FB2 (ppb)	LC-MS/MS	762.5	650	Y	Y		100%	4.17	400	73.448
2052	623.23	FB3 (ppb)	LC-MS/MS	169	156	Y	Y		100%	-0.92	200	40.762
2060	623.23	FB3 (ppb)	LC-MS/MS	181.8	180.9	Y	Y		100%	-0.46	200	40.762
0553	623.23	FB3 (ppb)	LC-MS/MS	170.4	305.6	Y	Y		100%	0.93	200	40.762
0660	630.01	Ochratoxin A (ppb)	Neogen Veratox for Ochratoxin	23.9	32.7	Y	Y		100%	-3.04	85.7	18.854
0958	630.01	Ochratoxin A (ppb)	Neogen Veratox for Ochratoxin	28.6	32.6	Y	Y		100%	-2.92	85.7	18.854
0957	630.01	Ochratoxin A (ppb)	Neogen Veratox for Ochratoxin	32.4	30.6	Y	Y		100%	-2.87	85.7	18.854
0959	630.01	Ochratoxin A (ppb)	Neogen Veratox for Ochratoxin	42.7	38.6	Y	Y		100%	-2.39	85.7	18.854
2033	630.23	Ochratoxin A (ppb)	LC-MS/MS	42.25	43.55	Y	Y		100%	-2.27	85.7	18.854
0001	630.23	Ochratoxin A (ppb)	LC-MS/MS	63.44	60.27	Y	Y		100%	-1.26	85.7	18.854
0964	630.01	Ochratoxin A (ppb)	Neogen Veratox for Ochratoxin	64.9	75.2	Y	Y		100%	-0.83	85.7	18.854
0553	630.23	Ochratoxin A (ppb)	LC-MS/MS	70.31	75.89	Y	Y		100%	-0.67	85.7	18.854
2060	630.23	Ochratoxin A (ppb)	LC-MS/MS	80.7	77.1	Y	Y		100%	-0.36	85.7	18.854
0218	630.23	Ochratoxin A (ppb)	LC-MS/MS	83	87	Y	Y		100%	-0.04	85.7	18.854
0918	630.23	Ochratoxin A (ppb)	LC-MS/MS	96.9	89.5	Y	Y		100%	0.40	85.7	18.854
2023	630.20	Ochratoxin A (ppb)	LC	154	117	Y	Y		100%	2.64	85.7	18.854
0964	630.21	Ochratoxin A (ppb)	LC post-col photochem der. FI	128	187	Y	Y		100%	3.81	85.7	18.854
0227	630.01	Ochratoxin A (ppb)	Neogen Veratox for Ochratoxin	195	161	Y	Y		100%	4.90	85.7	18.854
2033	640.23	T-2 (ppb)	LC-MS/MS	23.92	29.58	Y	Y		100%	-1.95	46.9	10.318
0918	640.23	T-2 (ppb)	LC-MS/MS	34	30	Y	Y		100%	-1.44	46.9	10.318
0001	640.23	T-2 (ppb)	LC-MS/MS	34.1	33.09	Y	Y		100%	-1.29	46.9	10.318
0553	640.23	T-2 (ppb)	LC-MS/MS	45.42	36.54	Y	Y		100%	-0.57	46.9	10.318
2060	640.23	T-2 (ppb)	LC-MS/MS	40.1	42.3	Y	Y		100%	-0.55	46.9	10.318
0218	640.23	T-2 (ppb)	LC-MS/MS	45	43	Y	Y		100%	-0.28	46.9	10.318
2052	640.23	T-2 (ppb)	LC-MS/MS	43.1	48.6	Y	Y		100%	-0.10	46.9	10.318
0227	640.01	T-2 (ppb)	Neogen Veratox T-2 / HT-2	95	117.8	Y	Y		100%	5.77	46.9	10.318
0964	640.01	T-2 (ppb)	Neogen Veratox T-2 / HT-2	233	227	Y	Y		100%	17.75	46.9	10.318
0202	640.05	T-2 (ppb)	r-Biopharm Ridascreen FAST T-2			N	N	100	0.00%	NoZ	46.9	10.318
2072	600.99	Total Aflatoxin (ppb)	Miscellaneous technique	10.074	10.074	Y	Y		100%	-2.42	21.5	4.73
2072	600.99	Total Aflatoxin (ppb)	Miscellaneous technique	10.074	10.074	Y	Y		100%	-2.42	21.5	4.73
0202	600.12	Total Aflatoxin (ppb)	r-Biopharm Ridascreen FAST Afla	11.1	11	Y	Y		100%	-2.21	21.5	4.73
0027	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	15.3	12.7	Y	Y		100%	-1.59	21.5	4.73
0004	600.14	Total Aflatoxin (ppb)	Vicam Aflatest	15	14	Y	Y		100%	-1.48	21.5	4.73
0003	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	15.4	18.3	Y	Y		100%	-0.98	21.5	4.73
0033	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	18.6	17.6	Y	Y		100%	-0.72	21.5	4.73
0027	600.21	Total Aflatoxin (ppb)	LC post-col photochem der. FI	17.807	18.472	Y	Y		100%	-0.71	21.5	4.73
0042	600.20	Total Aflatoxin (ppb)	LC	19	19	Y	Y		100%	-0.53	21.5	4.73
0013	600.22	Total Aflatoxin (ppb)	Vicam Aflatest, LC-FI	20.6	18	Y	Y		100%	-0.47	21.5	4.73
0227	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	15	24	Y	Y		100%	-0.42	21.5	4.73
0964	600.21	Total Aflatoxin (ppb)	LC post-col photochem der. FI	19.65	20.81	Y	Y		100%	-0.27	21.5	4.73
0964	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	24.5	16.2	Y	Y		100%	-0.24	21.5	4.73

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0660	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	19.1	23.7	Y	Y		100%	-0.02	21.5	4.73
0957	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	25.1	18.4	Y	Y		100%	0.05	21.5	4.73
0297	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	23	23.6	Y	Y		100%	0.38	21.5	4.73
0035	600.13	Total Aflatoxin (ppb)	r-Biopharm Ridascreen FAST Afla	23.384	25.01	Y	Y		100%	0.57	21.5	4.73
0958	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	29.4	21	Y	Y		100%	0.78	21.5	4.73
0959	600.10	Total Aflatoxin (ppb)	TLC	28.8	25.8	Y	Y		100%	1.23	21.5	4.73
2033	600.24	Total Aflatoxin (ppb)	LC-MS/MS	27.93	38.2	Y	Y		100%	2.45	21.5	4.73
0959	620.01	Total Fumonisin (ppb)	Neogen Veratox for Fumonisin	1.9	2.7	Y	Y		100%	-6.98	2,100	300.4
0042	620.12	Total Fumonisin (ppb)	Vicam FumoniTest 200	3	3	Y	Y		100%	-6.98	2,100	300.4
0958	620.01	Total Fumonisin (ppb)	Neogen Veratox for Fumonisin	9.2	3.7	Y	Y		100%	-6.97	2,100	300.4
0004	620.11	Total Fumonisin (ppb)	Vicam FumoniTest	1,500	1,300	Y	Y		100%	-2.33	2,100	300.4
0027	620.01	Total Fumonisin (ppb)	Neogen Veratox for Fumonisin	1,500	1,700	Y	Y		100%	-1.66	2,100	300.4
0957	620.01	Total Fumonisin (ppb)	Neogen Veratox for Fumonisin	2,100	1,300	Y	Y		100%	-1.33	2,100	300.4
2052	620.23	Total Fumonisin (ppb)	LC-MS/MS	1,862	1,687	Y	Y		100%	-1.08	2,100	300.4
0033	620.01	Total Fumonisin (ppb)	Neogen Veratox for Fumonisin	1,700	2,100	Y	Y		100%	-0.67	2,100	300.4
0964	620.01	Total Fumonisin (ppb)	Neogen Veratox for Fumonisin	1,900	2,100	Y	Y		100%	-0.33	2,100	300.4
2033	620.23	Total Fumonisin (ppb)	LC-MS/MS	2,385	2,115	Y	Y		100%	0.50	2,100	300.4
0035	620.09	Total Fumonisin (ppb)	r-Biopharm Ridascreen Fast Fumc	1,991	2,972	Y	Y		100%	1.27	2,100	300.4
0227	620.01	Total Fumonisin (ppb)	Neogen Veratox for Fumonisin	2,100	3,000	Y	Y		100%	1.50	2,100	300.4
0202	620.09	Total Fumonisin (ppb)	r-Biopharm Ridascreen Fast Fumc	3,100	3,000	Y	Y		100%	3.16	2,100	300.4
0553	650.24	Zearalenone (ppb)	LC-MS/MS	54.81	58.97	Y	Y		100%	-3.35	183.9	37.957
2033	650.24	Zearalenone (ppb)	LC-MS/MS	135	150.8	Y	Y		100%	-1.08	183.9	37.957
0957	650.01	Zearalenone (ppb)	Neogen Veratox Zearalenone	100	200	Y	Y		100%	-0.89	183.9	37.957
0918	650.24	Zearalenone (ppb)	LC-MS/MS	138	181	Y	Y		100%	-0.64	183.9	37.957
2060	650.24	Zearalenone (ppb)	LC-MS/MS	157.6	169	Y	Y		100%	-0.54	183.9	37.957
2052	650.24	Zearalenone (ppb)	LC-MS/MS	174	170	Y	Y		100%	-0.31	183.9	37.957
2023	650.20	Zearalenone (ppb)	LC	198.8	205.9	Y	Y		100%	0.49	183.9	37.957
0218	650.24	Zearalenone (ppb)	LC-MS/MS	212	208	Y	Y		100%	0.69	183.9	37.957
0660	650.01	Zearalenone (ppb)	Neogen Veratox Zearalenone	246.9	200.8	Y	Y		100%	1.05	183.9	37.957
0001	650.24	Zearalenone (ppb)	LC-MS/MS	248.2	240.6	Y	Y		100%	1.59	183.9	37.957
0964	650.01	Zearalenone (ppb)	Neogen Veratox Zearalenone	210	320	Y	Y		100%	2.14	183.9	37.957
0035	650.07	Zearalenone (ppb)	r-Biopharm Ridascreen FAST Zea	317.5	224.7	Y	Y		100%	2.30	183.9	37.957
0027	650.01	Zearalenone (ppb)	Neogen Veratox Zearalenone	296.4	307.5	Y	Y		100%	3.11	183.9	37.957
0227	650.01	Zearalenone (ppb)	Neogen Veratox Zearalenone	478	296	Y	Y		100%	5.35	183.9	37.957
0964	650.22	Zearalenone (ppb)	LC-FI, AOCS	608	947	Y	Y		100%	15.64	183.9	37.957
0958	650.01	Zearalenone (ppb)	Neogen Veratox Zearalenone			N	N	0	100.00%	NoZ	183.9	37.957
0202	650.06	Zearalenone (ppb)	r-Biopharm Ridascreen FAST Zearalenon			N	N	100	98.65%	NoZ	183.9	37.957

Notes: Interpreting Z Scores: Red indicates a normally distributed Z value >3 or <-3 (requires action), Orange = Z between 2 and 3 or -2 and -3 (warning) and Green = Z < 2 and >-2 (OK at 95%). If only 1 of 2 results detected Z for that is Grey and Probability of Detection is for the Non-Detect (see documentation). A Red NoZ indicates both results Not Detected with a Probability Of Detecting a single value.

Where the Assigned Value is ND then the LOD follows as (LOD) in the Analyte units.