

Kit	Aflatoxin M1 sensitive	Aflatoxin Total 1 – 20 ppb/4 – 40 ppb	Aflatoxin B1 2 – 50 ppb	Ochratoxin 2 – 40 ppb
Extraction	0.4 ml milk plus 0.1 ml Methanol	20 g in 100 ml of 70/30 (v/v) Methanol/H ₂ O		
pH of Extract	ALL extract should be adjusted with pH between 6 – 8			
Sample Dilution	No	No	1:2 (0,1 ml + 0,1 ml assay diluent)	No

STEPS

1		Add Conjugate	200 µL Conjugate into dilution well			
2		Sample/Standard	100 µL sample/standard into dilution well containing the Conjugate (Note: Volume of Conjugate and Standard/Sample can vary but the ratio of Conjugate to Standard/Sample must remain at 2:1)			
3		Transfer Mixture	Mix well before transfer 100 µL into antibody coated well			
4		1 st Incubation	60 min	15 min	15 min	10 min
5		Washing	Wash 5x with buffer solution	Wash 5x with distilled water		
6		Add Substrate 2 nd Incubation	100 µL substrate, incubate 20 min	100 µL substrate, incubate 5 min		
7		Add Stop-solution	100 µL stop solution			
8		Read with ELISA Reader	Read at 450 nm; with 630 nm as differential filter recommended			

Kit	Fumonisin 250 – 5000 ppb	T-2 Toxin 20 – 500 ppb	Zearalenone Plus 25 – 1000 ppb	DON Plus 250 – 5000 ppb
Extraction	20 g in 100 ml of 70/30 (v/v) Methanol/H ₂ O			20 g in 100 ml H ₂ O
pH of Extract	ALL extract should be adjusted with pH between 6 – 8			
Sample Dilution	1:20 (0,1 ml + 1,9 ml H ₂ O)	No	1:5 (1 ml + 4 ml 70 % MeOH)	1:4 (1 ml + 3 ml H ₂ O)

STEPS

1		Add Conjugate	200 µL Conjugate into dilution well	
2		Sample/Standard	100 µL sample/standard into dilution well containing the Conjugate (Note: Volume of Conjugate and Standard/Sample can vary but the ratio of Conjugate to Standard/Sample must remain at 2:1)	
3		Transfer Mixture	Mix well before transfer 100 µL into antibody coated well	
4		1 st Incubation	10 min	10 min
5		Washing	Wash 5x with distilled water	5x with buffer solution
6		Add Substrate 2 nd Incubation	100 µL substrate, incubate 5 min	
7		Add Stop-solution	100 µL stop solution	
8		Read with ELISA Reader	Read at 450 nm; with 630 nm as differential filter recommended	

