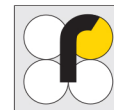


RIDASCREEN Nitrofurantoin (SEM)

Art. Nr. R3724

The new RIDASCREEN® Nitrofurantoin (SEM) (Art. No. R3724) replaces the former RIDASCREEN® Nitrofurantoin (SEM) test kit (R3715). The new test kit offers increased sensitivity and faster test implementation while keeping up the established sample preparation (one sample preparation for all nitrofurans and chloramphenicol). Protocols for the automated “walk away” test implementation with immunoassay analyzers Chemwell® and Thunderbolt® are available on request.

		RIDASCREEN® Nitrofurantoin (SEM) Art. No. R3715	RIDASCREEN® Nitrofurantoin (SEM) Art. No. R3724
Format		microtiter plate with 96 Wells (12 strips with 8 wells each) for 42 samples in duplicate	
Standard range		0/100/300/900/2700/8100 ng/L	0/100/300/900/2700/8100 ng/L
Specificity (in buffer system)	NP-SEM (standard substance)	100 %	100 %
	Nitrofurazon	appr. 7 %	1.37 %
	Semicarbazid (SEM)		0.02 %
	Furaltadon, Furazolidon	< 0.01 %	< 0.01 %
	AMOZ, AOZ, AHD	< 0.01 %	< 0.01 %
	2-NP-AMOZ, 2-NP-AOZ, 2-NP-AHD, Chloramphenicol, Nitrofurantoin		< 0.01 %
Limit of Detection	Shrimp	appr. 300 ng/kg	appr. 300 ng/kg
	Fish	appr. 360 ng/kg	appr. 200 ng/kg
	Meat (bovine)	appr. 300 ng/kg	appr. 200 ng/kg
	Meat (porcine)	appr. 300 ng/kg	appr. 200 ng/kg
	Poultry (chicken, turkey)	appr. 400 ng/kg	appr. 200 ng/kg
Recovery	Shrimp	appr. 98 %	appr. 100 %
	Fish	appr. 98 %	appr. 85 %
	Meat (bovine)	appr. 94 %	appr. 116 %
	Meat (porcine)	appr. 92 %	appr. 116 %
	Poultry (chicken, turkey)	appr. 110 %	appr. 116 %
Detection capability (CC β)	Shrimp		350 ng/kg
	Fish		350 ng/kg
	Meat		350 ng/kg



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	RIDASCREEN® Nitrofurantoin (SEM) Art. No. R3715	RIDASCREEN® Nitrofurantoin (SEM) Art. No. R3724
Test implementation	Sample preparation: incubation 3 h at 50 °C or over-night at 37 °C	
	Add sample or standard and conjugate	Add sample or standard and conjugate
	Add antibody	–
	Incubate 60 min	Incubate 30 min
	Wash 3 times	Wash 3 times
	Add substrate chromogen	Add substrate chromogen
	Incubate 15 min	Incubate 15 min
	Add stop solution	Add stop solution
	Read with spectrophotometer	Read with spectrophotometer
	Total incubation time: 1 h 15 min	Total incubation time: 45 min



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