

HORSE MEAT DETECTION

Horse Specific

		Horse standards				X 6
	Meat product	0.1%	1%	5%	Negative control	
2 x Kapa fast SYBRGREEN	7.5ul	7.5ul	7.5ul	7.5ul	7.5ul	
10 μ M ATPase	0.75ul	0.75ul	0.75ul	0.75ul	0.75ul	
Template 25ng/ μ l	1.0ul	1.0ul	1.0ul	1.0ul	1.0ul	
Water	5.75ul	5.75ul	5.75ul	5.75ul	5.75ul	
Total	15 ul	15 ul	15 ul	15 ul	15 ul	

Animal Universal

		Animal meat dilution					X 7
	Meat product	10ng/ul	25ng/ul	50ng/ul	Negative control	Negative control EC	
2 x Kapa fast SYBRGREEN	7.5ul	7.5ul	7.5ul	7.5ul	7.5ul	7.5ul	
10 μ M UNISOF	0.75ul	0.75ul	0.75ul	0.75ul	0.75ul	0.75ul	
Template 25ng/ μ l	1.0ul	1.0ul	1.0ul	1.0ul	1.0ul	1.0ul	
Water	5.75ul	5.75ul	5.75ul	5.75ul	5.75ul	5.75ul	
Total	15 ul	15 ul	15 ul	15 ul	15 ul	15 ul	

95 °C for 2min
 95 °C for 10sec
 60 °C for 25sec
 72 °C for 10 sec

} 32 cycles

Heating 60 °C up to 95 °C
 0.3 °C rise, 2 sec hold
 72 °C for 2min
 25 °C for 1 min