

Flexibilný rozsah akreditácie

Názov akreditovaného subjektu: **Štátny veterinárny a potravinový ústav**
 Jánoškova 1611/58, 026 01 Dolný Kubín
Veterinárny a potravinový ústav v Dolnom Kubíne
Skúšobné laboratórium Dolný Kubín
 Jánoškova 1611/58, 026 01 Dolný Kubín

Laboratórium s flexibilným rozsahom akreditácie

Položka	Objekt skúšky		Zavedená metóda		Ostatné špecifikácie
	Predmet / Matrica / Prostredie	Vlastnosť / Parameter / Ukazovateľ / Analyt	Princíp / Druh / Typ	Označenie	
1	potraviny živočíšneho a rastlinného pôvodu	ALERGÉNY: -arašidy -glutén -horčica -lieskovce -mliečne proteíny -sója -celé sušené vajce -sézam	ELISA (semikvant. skúška)	ŠPP 3.8.1.3 (manuál k dg. súprave)	DK
2	potraviny živočíšneho pôvodu	VETERINÁRNE LIEČIVÁ: -sulfaguanidín -sulfadiazín -sulfacetamid -sulfatiazol -sulfapyridín -sulfamerazín -sulfadimidín -sulfamethoxy-pyridazín -sulfamonometoxín -sulfachlorpyridazín -sulfadoxín -sulfamethoxazol -sulfisoxazol -sulfadimethoxín -sulfaguinoxalín -sulfametizol -dapson -trimetoprim	HPLC ^{p1}	ŠPP 1.2.36 ŠPP 1.2.67 (B. Delepine, D. Hurtaud-Pessel, <i>Liquid-chromatography/tandem mass-spectrometry. Screening method for identification residues of antibiotics in meat</i> , AFSSA- Agence Française de Sécurité Sanitaire des Aliments BP 90203-35302 Fougères cedex, France J. Diserens, M. Savoy Perroud, A. Beck Henzelin, <i>Application of liquid chromatography – electrospray ionization tandem mass spectrometry to the detection of 10 sulfonamides in honey</i> , Journal of Chromatography A, 977, 77-87, 2002 Method for the detection of antibiotic residues in muscle using LC – MS/MS, Fougères Laboratory, EU-RL Reference Laboratory and National Reference Laboratory: Veterinary drug residues and dyes in foodstuffs of animal origin and animal feed)	
		-norfloxacin -marbofloxacin -ciprofloxacin -danofloxacin -difloxacin -enrofloxacin -sarafoxacin -kyselina oxolinová -kyselina nalidixová		ŠPP 1.2.34 ŠPP 1.2.67 (B. Delepine, D. Hurtaud-Pessel, <i>Liquid-chromatography/tandem mass-spectrometry, Screening method for identification residues of antibiotics in meat</i> , AFSSA- Agence Française de Sécurité Sanitaire des Aliments BP 90203-35302 Fougères cedex, France Preparation and LC/MS/MS analysis of honey for fluoroquinolone residues, Florida Department of Agriculture and Consumer Services, CFSAN USA, 2006 Method for the detection of antibiotic residues in muscle using LC – MS/MS, Fougères Laboratory, EU-RL	

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2	potraviny živočíšneho pôvodu	-flumechin -enoxacin	HPLC ^{p1}	ReferenceLaboratory and National ReferenceLaboratory: Veterinarydrugresidues and dyes in foodstuffs of animalorigin and animalfeed)	DK
		-ofloxacin -fleroxacin -sparfloxacin			
		-florfenikol amín -florfenikol -tiamfenikol		ŠPP 1.2.46 (B. Delepine, Chloramphenicolidentification by liquidchromatography tandem mass-spectrometry, AFSSA- AgenceFrancaise de SecuritéSanitaire des Aliments, BP 90203-35302 Fougèrescedex, France, 2004)	
	potraviny živočíšneho pôvodu, moč	-chloramfenikol		ŠPP 1.2.31 (B. Delepine, Chloramphenicolidentification by liquidchromatography tandem mass-spectrometry, AFSSA- AgenceFrancaise de SecuritéSanitaire des Aliments, BP 90203-35302 Fougèrescedex, France, 2004)	
	potraviny živočíšneho pôvodu	-linkomycín -spiramycín -tilmikožín -tylozín -erytromycín -josamycín -tiamulín -valnemulín -gamithromycín		ŠPP 1.2.35 ŠPP 1.2.67 (B. Delepine, D. Hurtaud-Pessel, Liquid-chromatography/tandem mass-spectrometry, Screeningmethodforidentificationresidues of antibiotics in meat, AFSSA- AgenceFrancaise de SecuritéSanitaire des Aliments BP 90203-35302 Fougèrescedex, France T.S. Thompson, D.K. Noot, J. Calvert, S.F. Pernal, Determination of lincomycin and tylosinresidues in honeyusingsolid-phaseextraction and liquidchromatography-atmosphericpressurechemicalionizationmassspectrometry, Journal of Chromatography A, 1020 (2003) 241-250 Methodforthedetection of antibioticresidues in musclemusing LC – MS/MS, FougèresLaboratory, EU-RL ReferenceLaboratory and National ReferenceLaboratory: Veterinarydrugresidues and dyes in foodstuffs of animalorigin and animalfeed)	
		-tulathromycín		ŠPP 1.2.90 (Boner et al.: Determination and Confirmation of TulathromycinResidues in BovineLiver and PorcineKidneyviaTheirCommonHydrolytic Fragment UsingHigh-PerformanceLiquidChromatography/Tandem MassSpectrometry. Journal Of AOAC International Vol 94, No.2, 2011)	
		-cefapirín -amoxicilín -ampicilín -cefazolín -cefoperazón -benzylpenicilín -penicilín V -oxacilín -kloxacilín -dikloxacilín -nafcilín -ceftiofur -cefalexin -cefchinóm -cefacetril -cefalónium		ŠPP 1.2.39 ŠPP 1.2.67 (B. Delepine, D. Hurtaud-Pessel, Liquid-chromatography/tandem mass-spectrometry, Screeningmethodforidentificationresidues of antibiotics in meat, AFSSA- AgenceFrancaise de SecuritéSanitaire des Aliments BP 90203-35302 Fougèrescedex, France Y.Zhou, D.Lavorato, T.Mathews, S.Countryman, Rapid LC/LC/MS Analysis of Antibiotics in Meat forHumanConsumptionUsingKinetex 2,6um Core-Shell LC Column, Aplikčný list Phenomenex Methodforthedetection of antibioticresidues in musclemusing LC – MS/MS, FougèresLaboratory, EU-RL ReferenceLaboratory and National ReferenceLaboratory: Veterinarydrugresidues and dyes in foodstuffs of animalorigin and animalfeed)	
		-oxytetracyklín -tetracyklín -chlórtetracyklín -doxycyklín		ŠPP 1.2.37 ŠPP 1.2.67 (B. Delepine, D. Hurtaud-Pessel, Liquid-chromatography/tandem mass-spectrometry, Screeningmethodforidentificationresidues of antibiotics in meat, AFSSA- AgenceFrancaise de SecuritéSanitaire des Aliments BP 90203-35302 Fougèrescedex, France Methodforthedetection of antibioticresidues in musclemusing LC – MS/MS, FougèresLaboratory, EU-RL ReferenceLaboratory and National ReferenceLaboratory: Veterinarydrugresidues and dyes in foodstuffs of animalorigin and animalfeed)	

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2	potraviný živočíšneho pôvodu	-spektinomycín -streptomycín -dihydrostreptomycín -paromomycín -apramycín -gentamycín -neomycín -kanamycín	HPLC ^{p1}	ŠPP 1.2.40 (B. Delepine, D. Hurtaud-Pessel, <i>Liquid-chromatography/tandem mass-spectrometry, Screening method for identification residues of antibiotics in meat</i> , AFSSA- Agence Française de Sécurité Sanitaire des Aliments BP 90203-35302 Fougères cedex, France Confirmation of aminoglycosides by HPLC – MS/MS, United States Department of Agriculture Food Safety and Inspection Service, Office of Public Health and Science 2003 Bohm, D. A.; Stachel, C. S.; Gowik, P.: <i>Confirmatory Method for Determination of Streptomycin in Apples by LC-MS/MS</i> . Poster in 4 th International Symposium Recent Advances in Food Analysis Fügel, D., Anastassiades, M., Scherbaum, E.: <i>Analysis of Kasugamycin in Fruit and Vegetables Using Ion Exchange SPE and LC-MS/MS</i> . EPRW 2006)	DK
		-5-methylmorpholino- 3-amino-2-oxalidinone (AMÖZ) -3-amino-2-oxalidinone (AOZ) -1-amino-hydantoin (AHD) -semicarbazide (SEM) -3,5 – dinitrosalicylic acid hydrazide (DNSAH)		ŠPP 1.2.38 (Method for the detection and confirmatory quantification of five nitrofurans metabolite residues in biological matrices using LC-MS/MS, Analytical method for food safety, European Union and National Reference Laboratory ANSES Fougères)	
		FARBIVÁ: -malachitová zelená -leukomalachitová zelená -brilantná zelená -kryštálová violet' -leukokryštálová violet'		ŠPP 1.2.28 (P. Sanders, B. Delépine, B. Roudaut, <i>Malachite green and leucomalachite green residues in fish flesh by liquid chromatography tandem mass spectrometry (LC/MS/MS)</i> - validation a confirmatory method, AFSSA, 2005 Jonathan A. Tarabin, Karen A. Barnes, John Bygrave, W.H.H. Farrington, <i>Screening and confirmation of triphenylmethanediyes and their leucometabolites in trout muscle using HPLC-vis and ESP-LC-MS</i> , Analyst, 1998, 123, 2567-2571)	
3	krmivo	-sulfaguanidín -sulfadiazín -sulfacetamid -sulfatiazol -sulfapyridín -sulfamerazín -sulfadimidín -sulfamethoxy-pyridazín -sulfamonometoxín -sulfachlorpyridazín -sulfadoxín -sulfamethoxazol -sulfisoxazol -sulfadimetoxín -sulfaguinoxalín -sulfametizol	HPLC ^{p1}	ŠPP 1.2.36 (B. Delepine, D. Hurtaud-Pessel, <i>Liquid-chromatography/tandem mass-spectrometry, Screening method for identification residues of antibiotics in meat</i> , AFSSA- Agence Française de Sécurité Sanitaire des Aliments BP 90203-35302 Fougères cedex, France J. Diserens, M. Savoy Perroud, A. Beck Henzelin, <i>Application of liquid chromatography – electrospray ionization tandem mass spectrometry to the detection of 10 sulfonamides in honey</i> , Journal of Chromatography A, 977, 77-87, 2002)	DK
		-oxytetracyklín -tetracyklín -chlortetracyklín -doxycyklín		ŠPP 1.2.37 (B. Delepine, D. Hurtaud-Pessel, <i>Liquid-chromatography/tandem mass-spectrometry, Screening method for identification residues of antibiotics in meat</i> , AFSSA- Agence Française de Sécurité Sanitaire des Aliments BP 90203-35302 Fougères cedex, France)	
		-tylozín		ŠPP 1.2.35 (B. Delepine, D. Hurtaud-Pessel, <i>Liquid-chromatography/tandem mass-spectrometry, Screening method for identification residues of antibiotics in meat</i> , AFSSA- Agence Française de Sécurité Sanitaire des Aliments BP 90203-35302 Fougères cedex, France T.S. Thompson, D.K. Noot, J. Calvert, S.F. Pernal, <i>Determination of lincomycin and tylosin residues in honey using solid-phase extraction and liquid chromatography-atmospheric pressure chemical ionization mass spectrometry</i> , Journal of Chromatography A, 1020 (2003) 241-250)	

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	Predmet / Matrica / Prostredie	Vlastnosť / Parameter / Ukazovateľ / Analyt		Označenie	
3	krmivo	-karbadox	HPLC ^{p1}	ŠPP 1.2.57 (D. Hartaud- Pessel, M. P. Fourmond, <i>Methode de confirmationducabdox et de l'olaquindoxdans les alimentspouranimaux par CL/SM/SM</i> , AFSSA- AgenceFrancaise de SecuritéSanitaire des Aliments)	DK
		-olaquindox		ŠPP 1.2.59 (Hans van Rhijn, Tina Zuidema, <i>Compoundanimalfeed - Avoparcin and ZincBacitracin – Confirmatoryanalysis by LC-MS/MS</i> , Screening and IdentificationMethodsforofficialcontrol of BannedAntibiotics and Growthpromoters in Feedingstuffs, RIKILT, 2004)	
		-zinkbacitracin A		ŠPP 1.2.77 (Podniková norma PLN 2/01/98, f. Pulmixs.r.o., B. Delepine, D. Hurtaud-Pessel, <i>Liquid-chromatography/tandem mass-spectrometry,Screeningmethodforidentificationresidues of antibiotics in meat</i> , AFSSA- AgenceFrancaise de SecuritéSanitaire des Aliments BP 90203-35302 Fougèrescedex, France	
		-zinkbacitracin B		Nariadenie Európskej Únie EC 657/2002 Nariadenie vlády SR č. 320/2003 Z. z.)	
4	medikované krmne zmesi	-tiamulín			
		-tiamulín			
		ADITÍVNE LÁTKY:			
		-para red		ŠPP 1.2.42 (F. Tateo, M. Bononi, <i>Fastdetermination of Sudan I by HPLC/APCI-MS in hot chilli, spices, and oven-bakedfoods</i> , Journal of Agricultural and FoodChemistry 2004, 52, 655-658 Method 145A Collaborative trial 145 of a methodforthedetection and determination of Sudan I in chilliproducts by HPLC F. Calbiani, M. Careri, L. Elviri, A. Mangia, L. Pistara, I. Zagnoni, <i>Development and in-housevalidation of a liquidchromatography-electrospray-tandem massspectrometrymethodforthesimultaneousdetermination of Sudan I, Sudan II, Sudan III and Sudan IV on hot chilliproducts</i> , Journal of Chromatography A 2004, 1042, 123-130)	
5	potraviny rastlinného a živočíšneho pôvodu, nápoje	-sudán I		ŠPP 1.2.85 (A. Wasik, M. Buchgraber, <i>Foodstuffs – Simultaneousdetermination of ninesweeteners by highperformanceliquidchromatography and evaporativelightsatteringdetection</i> , EuropeanCommision, InstituteforReferenceMaterials and Measurements, Geel, Belgium, 2007, ISBN 978-92-79-05356-6 Nariadenie Európskej Únie EC 657/2002 Nariadenie vlády SR č. 320/2003 Z. z.)	
		-sudán II			
		-sudán III			
		-sudán IV			
5	potraviny rastlinného a živočíšneho pôvodu, nápoje	-sudánred 7B			
		-červená 2G			
		-ponceau 4R			
		-allura červená AC			
5	potraviny rastlinného a živočíšneho pôvodu, nápoje	-kyselina cyklámová			
		-sukralóza			
		-natamycín		ŠPP 1.2.80 (International Standard ISO 9233-2 (IDF 140-2): <i>Cheese, cheeserind and processedcheese –Determination of natamycincontent, Part 2: High-performanceliquidchromatographicmethodforcheese, cheeserind and processedcheese</i> Louis G. M. TH.Tuinstra; Wim A. Traag: <i>LiquidChromatographicDetermination of Natamycin in Cheese at ResidueLevels</i> . JournalAssoc. Off. Anal. Chem. Vol. 65, No 4, 1982. K. Rybinska, J. Postupolski, M. Szczesna: <i>Determination of NatamycinResidues in RipeningCheeses by High-PerformanceLiquidChromatography</i> . Roczn.Pzh, 1997, 48, Nr. 2)	
		-E150d		ŠPP 1.2.78 (Application note Waters: <i>Gradient separation of aminoacids on Acquity UPLC BEH HILIC</i> , 2009 EFSA Journal 20011; 9(3): 2004: Scientificopinon on the re-evaluation of caramelcolours(E 150 a,b,c,d) as foodadditives - EFSA Panel on FoodAdditives and Nutrient sourcesadded to Food (ANS) – EuropeanFoodSafetyAuthority (EFSA), Parma, Italy 103p. Nariadenie Európskej Únie EC 657/2002 Nariadenie vlády SR č. 320/2003 Z. z.)	
5	potraviny rastlinného pôvodu	-atropín		ŠPP 1.2.94	
		-skopolamín			
		-suma atropínu a skopolamínu			
				EURL MP method 002 version 3: Determination of pyrrolizidine alkaloids in plant-based food and feed materials, including herbal teas, herbal food supplements, fodder and feedstuffs by LC-MS/MS. Wageningen University and Research, 2019.	

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6	poživatiny	-advantam -neotam -rebaudiozid A -steviozid -glykozidsteviolu	HPLC ^{p1}	ŠPP 1.2.93 (AtsukoTada, KyokoIshizuki, Improvement of theAssayMethodforSteviolGlycosides in the JECFA Specifications, American Journal of AnalyticalChemistry, 2013, 4, 190-196 F. Aguilar and coll.: ScientificOpinion on thesafetysteviolglycosidesforthe proposedusus as a foodadditives, Efsa Panel anFoodAdditivesnd Nutrient Sourcesadded to Food	DK
7	medikované kŕmne zmesi,premixy	VETERINÁRNE LIEČIVÁ: -sulfonamidy		ŠPP 1.2.10 (K.E. Maudens, W.E.Lambert, GhentUniversity, Laboratory of Toxicology - poster H.W.M. BisschopEuroresidues IV, Veldhoven, 2000, 220-225 AOAC OFFICIAL METHODS, 17 th EDITION, AOAC OfficialMethod 993.32 – Multi-pleSulfonamideResidues in Raw BovineMilk W.J. Pietron, W. Cybulski, D. Krasucka, A. Mitura, K. Kos, M. Antczak, Determination of fivesulfonamides in medicatedfeedingstuffs by liquidchromatographywithultravioletdetection, BullVetInstPulawy 57, 545-552, 2013)	
		-tylozín		ŠPP 1.2.51 (WayneChan et Al.: Journal of AOAC International vol. 77, No.2, 1994)	
		-chlortetracyklín -doxycyklín -oxytetracyklín -tetracyklín		ŠPP 1.2.32 (Jozef Sokol, Eva Matisová , Journal of Chromatography A 669 (1994) 75-80 Ridascreen - Tetracyclin , R-BiopharmGmbH, Darmstadt , NSR AOAC METHODS 17th Edition, No. 998.09 23.1.17 – AOAC OfficialMethod 995.09Chlortetracycline, Oxytetracycline and Tetracycline in EdibleAnimalTissues CroubelsS., VanPeteghem C., Sensitivespectrofluorimetricdetection of tetracyclineresidues in bovinemilk, Analyst, 1994,119,2713-2716)	
		-tiamulín		ŠPP 1.2.77 (Podniková morma PLN 2/01/98, F. Pulmixs.r.o)	
				ŠPP 1.2.70 (H. K. Mayer, D. Heidler, C. Rockenbauer: Determination of Percentages of Cows, Ewes and GoatsMilk in Cheese by IsoelectricFocusating and Cation-exchange HPLC of γ -and Para – κ – Caseins, Int.DairyJournal 7 (1997) 619-628 A. J. Trujillo, I. Casals, B. Guamis: Analysis of Major CaprineMilkProteins by Reverse-PhaseHigh-PerformanceLiquidChromatography and ElectrosprayIonization-MassSpectrometry, J. DairySci (2000), 83: 11-19 H. K. Mayer: Milkspiecesidentification in cheesevarietiesusingelectrophoreticchromatographic and PCR techniques, International DairyJournal 15 (2005) 595-604 EU 213/2001, RIDASCREEN CIS- Caseininstructionmanual)	
8	mlieko a mliečne výrobky	-kravský, -ovčí, -kozí kazeín	HPLC ^{p1} (kvalitatívna skúška)	ŠPP 1.2.70 (H. K. Mayer, D. Heidler, C. Rockenbauer: Determination of Percentages of Cows, Ewes and GoatsMilk in Cheese by IsoelectricFocusating and Cation-exchange HPLC of γ -and Para – κ – Caseins, Int.DairyJournal 7 (1997) 619-628 A. J. Trujillo, I. Casals, B. Guamis: Analysis of Major CaprineMilkProteins by Reverse-PhaseHigh-PerformanceLiquidChromatography and ElectrosprayIonization-MassSpectrometry, J. DairySci (2000), 83: 11-19 H. K. Mayer: Milkspiecesidentification in cheesevarietiesusingelectrophoreticchromatographic and PCR techniques, International DairyJournal 15 (2005) 595-604 EU 213/2001, RIDASCREEN CIS- Caseininstructionmanual)	
	bryndza	-podiel ovčieho a kravského syra	HPLC ^{p1}	ŠPP 1.2.75 (H. K. Mayer, D. Heidler, C. Rockenbauer: Determination of Percentages of Cows, Ewes and GoatsMilk in Cheese by IsoelectricFocusating and Cation-exchange HPLC of γ -and Para – κ – Caseins, Int.DairyJournal 7 (1997) 619-628 A. J. Trujillo, I. Casals, B. Guamis: Analysis of Major CaprineMilkProteins by Reverse-PhaseHigh-PerformanceLiquidChromatography and ElectrosprayIonization-MassSpectrometry, J. DairySci (2000), 83: 11-19 H. K. Mayer: Milkspiecesidentification in cheesevarietiesusingelectrophoreticchromatographic and PCR techniques, International DairyJournal 15 (2005) 595-604 Nariadenie Komisie (ES) č. 273/2008 z 5.3. 2009, ktorým sa ustanovujú podrobné pravidlá uplatňovania nariadenia Rady (ES) č. 1255/1999 týkajúce sa metód analýzy a hodnotenia kvality mlieka a mliečnych výrobkov, RIDASCREEN CIS- Caseininstructionmanual)	

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9	potraviny rastlinného a živočíšneho pôvodu, krmivá	PESTICIDY A PCB: -hexachlórcyklohexán (alfa HCH) -hexachlórbenzén (HCB) -hexachlórcyklohexán (beta HCH) -lindan -p,p'- DDE -o,p'- DDD -p, p'- DDD -o, p'- DDT -p, p'- DDT -suma DDT -PCB kongenér 28 -PCB kongenér 52	GC ^{p2}	ŠPP 1.2.11 (Kocourek, Hajšlová, Metody stanovení cizorodých látek v potravinách, Praha 1992 AOAC METHODS, 16th edition, No 10.1.01, 10.2.02, 10.2.01 – AOAC Official Method 970.52: Organochlorine and Organophosphorus Pesticide Residues; AOAC Official Method 983.21: Organochlorine and Polychlorinated Biphenyl Residues in Fish; AOAC Official Method 984.21: Organochlorine Pesticide Residues in Animal Fats STN EN 12393-1 až 3 STN EN 1528-1 až 4)	DK suma DDT (p,p'- DDE + o,p'- DDD + p, p'- DDD + o, p'- DDT + p, p'- DDT)
		-PCB kongenér 101 -PCB kongenér 153 -PCB kongenér 138 -PCB kongenér 180 -PCB kongenér suma -dichlórvos -pirimifos-metyl -fenitrotión -diazinón			
	krmivá	-chlórpirifos			
	med	-coumafos			
	vody pitné	-hexachlórcyklohexán (alfa HCH) -hexachlórbenzén (HCB) -hexachlórcyklohexán (beta HCH) -lindan -p,p'- DDE -o,p'- DDD -p, p'- DDD -o, p'- DDT -p, p'- DDT -suma pesticídov			
10	poživatiny a krmivá	GMO/skriningové elementy: - P-CaMV 35S, T-nos, nptII, bar, pat, 35S-pat -CTP2-CP4-EPSPS -35S-bar, pubi-cry, 35S-hpt, cpti-nos -duplex P-35S+T-nos, CryIAb/Ac, CaMV -MON40-3-2 sója -A2704-12 sója -MON87701 sója -MON89788 sója -A5547-127 sója -356043 sója -MON87708 sója -MON87769 sója -305423 sója -BPS-CV127-9 sója -MON87705 sója	PCR (kvalitatívna skúška)	ŠPP 2.8.2.1 ^{p6}	DK

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10	požívatiny a krmivá	-FG72 sója -DAS-68416-4 sója -DAS-44406-6 sója -MON87751 sója -SYHT0H2 sója -MON810 kukurica -Bt176 kukurica -Bt11 kukurica -Bt10 kukurica -T25 kukurica -GA21 kukurica -NK603 kukurica -MON863 kukurica -DAS1507 kukurica -MIR604 kukurica -DAS59122 kukurica -MON88017 kukurica -MON89034 kukurica -3272 kukurica -98140 kukurica -4114 kukurica -MIR162 kukurica -DAS40278 kukurica -MON87460 kukurica -MON87427 kukurica -MON87403 kukurica -MON87411 kukurica -MZHGOJG kukurica -MZIR098 kukurica -5307 kukurica -LLRICE601 ryža -LLRICE62 ryža -Bt63 ryža -EH92-527-1 zemiak -FP967 ľan -55-1 a 63-1 papája	PCR (kvalitatívna skúška)	ŠPP 2.8.2.1 ^{p6}	DK
		GMO -MON40-3-2 sója -356043 sója -MON810 kukurica -Bt11 kukurica -NK603 kukurica -DAS1507 kukurica -MIR604 kukurica -DAS59122 kukurica	PCR (kvantitatívna skúška)		
11	požívatiny a krmivá	ALERGÉNY -zeler -ryba	PCR (kvalitatívna skúška)	ŠPP 2.8.2.2 ^{p7}	DK
		ŽIVOČÍCHY -stavovce -hov. dobytok -ošípaná -koza -ovca -hydina -kôň -Tenebrio molitor (múčiar obyčajný)			
12	požívatiny, biologický/ klinický materiál	BAKTÉRIE	PCR (kvalitatívna skúška)	ŠPP 2.8.2.3 ^{p8}	DK identifikácia, dôkaz génov virulencie a rezistencie
		-Escherichia coli (verotoxín 1, verotoxín 2, intimín, sérotypy: O26, O103, O104, O111, O145, O157, H7) -Campylobacter spp. (C. jejuni, C. coli, C. lari, C. upsaliensis, C. fetus)			

Položka	Objekt skúšky		Zavedená metóda		Ostatné špecifikácie
	Predmet / Matrica / Prostredie	Vlastnosť / Parameter / Ukazovateľ / Analyt	Princíp / Druh / Typ	Označenie	
12	požívatiny, biologický/ klinický materiál	- <i>Staphylococcus</i> spp. (<i>S. aureus</i> , <i>S. epidermidis</i> ; stafylokokové enterotoxíny: SEA, SEB, SEC, SED, SEE, SEG, SEH, SEI, SEJ, SEP, SER; gén <i>mecA</i>) - <i>Melissococcus plutonius</i> - <i>Arcobacter</i> spp. (<i>A. butzleri</i>) - <i>Yersinia enterocolitica</i> - <i>Paenibacillus larvae</i> - <i>Botulinové neurotoxíny</i> (A,B,E, F) - <i>Salmonella</i> spp. (<i>Salmonella</i> spp., rozlíšenie monofázickej a bifázickej <i>S. Typhimurium</i> , rozlíšenie vakcinačných kmeňov <i>S. Enteritidis</i> 441/014 a <i>Sm24/Rif12/Ssq</i> od terénnych kmeňov)	PCR (kvalitatívna skúška)	ŠPP 2.8.2.3 ^{p8}	DK identifikácia, dôkaz génov virulencie a rezistencie
		VÍRUSY -KHSV -EHNV -CEV -IHNV -SVCV -VHSV -IPNV -Norovírus -HAV -DWV, DWV-A, DWV-B -ABPV -SBV -KBV -IAPV -CBPV -ISAV -TBEV -BTV, BTV-8 -BVDV -Schmallenberg virus -BQCV		ŠPP 2.8.2.4.1 ^{p9}	DK
		PARAZITY - <i>Crithidia bombi</i> - <i>Apicystis bombi</i>		ŠPP 2.8.2.4.2 ^{p10}	
		MYCÉTY - <i>Nosema</i> spp. (<i>N. apis</i> , <i>N. ceranae</i> , <i>N. bombi</i>) - <i>Ascospaera apis</i>		ŠPP 2.8.2.7 ^{p11}	
		ŠKODCOVIA - <i>Aethina tumida</i>		ŠPP 2.8.2.8 ^{p12}	
				ŠPP 2.8.2.9 ^{p14}	
13	požívatiny, biologický/ klinický materiál	-polymorfizmus priónového génu (PrP) -určenie druhu analýzou génu <i>COI</i> -určenie druhu analýzou génu <i>cytb</i>	sekvenčná analýza (kvalitatívna skúška)	ŠPP 2.8.2.5 ^{p13}	DK

Položka	Objekt skúšky		Zavedená metóda		Ostatné špecifikácie
	Predmet / Matrica / Prostredie	Vlastnosť / Parameter / Ukazovateľ / Analyt	Princíp / Druh / Typ	Označenie	
14	voda	benzo(b)fluorantén -benzo(k)fluorantén -benzo(a)pyrén -benzo(g,h,i)perylén -indeno(1,2,3,c,d)pyrén -suma PAU	HPLC ^{P1}	ŠPP 1.2.4 (Bernard, Hajšlová, Kratochvílová, Merhaut, Application note 130 DIONEX - Application Note 313 Simon R., Palme S., Anklam E., Single laboratory validation of a gas chromatography – mass spectrometry method for quantitation of 15 European priority polycyclic aromatic hydrocarbons in spiked smoke flavourings; Journal of chromatography A, 1103 (2006) 307 – 313 EN 16619:2015 – Stanovenie PAU plynovou chromatografiou s hmotnostnou detekciou STN EN ISO 15302 - Stanovenie PAU kvapalinovou chromatografiou s fluorescenčnou detekciou AOAC Official Method 963.15 (31.4.02), Fat in Cacao products, Soxhlet Extraction Method)	DK suma PAU (benzo(b)fluorantén + benzo(k)fluorantén + benzo(g,h,i)perylén + indeno(1,2,3,c,d)pyrén)
14	požívatiny	- cyclopenta(c,d)pyrén -benzo(c)fluorén -benzo(a)antracén -chryzén -5-metylchryzén -benzo(j)fluorantén -benzo(b)fluorantén -benzo(k)fluorantén -benzo(a)pyrén -dibenzo(a,l)pyrén -dibenzo(a,h)antracén -benzo(g,h,i)perylén -indeno(1,2,3,c,d)pyrén -dibenzo(a,e)pyrén -dibenzo(a,i)pyrén -dibenzo(a,h)pyrén	HPLC ^{P1} GC ^{P2}		DK suma PAU4 (benzo(a)pyrén + benzo(a)antracén + benzo(b)fluorantén + chryzén)

Laboratórium môže modifikovať a validovať uvedené skúšobné metódy v danej oblasti akreditácie pri zachovaní princípu merania.

Flexibilita sa nevzťahuje na zmenu princípu používaných metód v danom flexibilnom rozsahu.

☒ Laboratórium vedie aktuálny zoznam všetkých skúšobných metód s flexibilným rozsahom akreditácie na stránke http://www.svpu.sk/images/vpudk/dokumenty/akredit/dk_flexi.pdf

Princíp flexibility môže laboratórium využiť v rámci:

- ☒ matríc
- ☒ ukazovateľov
- ☒ meracích rozsahov
- ☒ postupov používaných na skúšanie.

Poznámky:

P¹ – v rámci HPLC využíva SL DK nasledovné detektory:

- UV detektor
- DAD detektor
- RI detektor
- FLD detektor
- MS, MS/MS hmotnostná spektrometria

P² – v rámci GC využíva SL DK nasledovné detektory:

- FID detektor
- MS, MS/MS hmotnostná spektrometria

Vysvetlivky:

ABPV - vírus akútnej paralýzy včiel (AcuteBeeParalysisVirus)
AGID - agarový imunodifúzný test
AMA - automatický analyzátor ortuti
BHA – butylatedhydroxyanisole
BHT – 2,6-di-tert-butyl-4-methyl-phenol
B REO-1 - boviný reovírus typ 1;
BQCV – black queen cell virus
BRSV - boviný respiračný syncytiálny vírus
BTV - vírus modrého jazyka – katarálna horúčka oviec (Bluetonguevirus)
BTV-8 – vírus modrého jazyka sérotyp 8 (BluetongueVirusserotype 8)
BVD - boviná vírusová diarhoe
BVDV – vírus bovinnej vírusovej hnačky (Bovineviraldiarrhoeavirus)
°C - stupeň Celzia
CAE - artritída / encefalitída kôz
CBPV – vírus chronickej paralýzy včiel (ChronicBeeParalysisVirus)
CEV – Carp Edema virus
CNS - centrálny nervový systém
č. – číslo
dg. - diagnostická/ý/é
DK - takto označené skúšky vykonáva skúšobné laboratórium Dolný Kubín
DWV - Vírus deformujúci krídla včiel (DeformedWingVirus)
DWV-A - Vírus deformujúci krídla včiel (DeformedWingVirus) variant A
DWV-B - Vírus deformujúci krídla včiel (DeformedWingVirus) variant B
EBL - enzootická boviná leukóza
EHNV - Vírus epizootickej hematopoetickej nekrózy (EpizooticHaematopoieticNecrosisVirus)
EIA - enzýmová imunoanalýza (enzymeimmunoassay)
ELISA - enzýmová imunoanalýza (EnzymeLinkedImmunosorbentAssay)
ELg - extrahovateľné látky v g
EN - európska norma
ES - Európske spoločenstvo
EVA - vírusová artritída koní (Equineviralarteritis)
FIA - fluorescenčná imunoanalýza (FluorescenceImmunoassay)
g - gram
GC - plynová chromatografia
MS - hmotnostný spektrometrický detektor
GMO - geneticky modifikovaný organizmus/ organizmy
HAV - vírus hepatitídy typu A (Hepatitis A Virus)
HPLC - vysokoúčinná kvapalinová chromatografia
DAD - detektor diódového poľa
FLD - fluorescenčný detektor
MS - hmotnostný spektrometrický detektor
RI - refraktometrický detektor
CHARM II - rádioreceptorová metóda
IBR / IPV - infekčná boviná rinotracheitída / infekčná pustulárna vulvovaginitída
IC - iónová chromatografia

IAE - infekčná anémia koní (Equineinfectiousanemia)
IAPV - izraelský vírus akútnej paralýzy včiel (IsraeliAcuteParalysisVirus)
IBR/IPV – infekčná bovinnárinotracheitída / infekčná pustulárnnavulvovaginitída
IEB - infekčná epididymitída baranov (InfectiousEpididymitis of Rams)
IFAT - imunofluorescenčný test
IHN - infekčná hematopoetická nekróza (InfectiousHaematopoieticNecrosis)
IHNV - vírus infekčnej hematopoetickej nekrózy (InfectiousHaematopoieticNecrosisVirus)
IPN - infekčná nekróza pankreasu (InfectiousPancreaticNecrosis)
IPNV - vírus infekčnej pankreatickej nekrózy (InfectiousPancreaticNecrosisVirus)
IPT - imunoperoxidázový test
Ionox-100 - 2,6-ditert-butyl-4-(hydroxymethyl)phenol
ISAV – vírus infekčnej anémie lososov (InfectiousSalmonAnaemiaVirus)
ISO - International OrganisationforStandardization
KBV - vírus kašmírskej virózy (KashmirBeeVirus)
KFT - komplement fixačný test
KHV - herpes vírus kaprov Koi (Koi Herpes Virus)
KMO - klasický mor ošipaných
m. - metóda
MA - Aujeszkyho choroba
MAT - mikroskopický aglutinačný test
NDGA – kyselina nordihydroguaiaretická
NMR - nukleárna magnetická rezonancia
OIE Manual - OIE Manual of DiagnosticTests and VaccinesforTerrestrialAnimals (mammals, birds and bees),
WorldOrganisationforAnimalHealth = Office International des Epizooties
opDDT - ortho,paraDDT
P-CaMV 35S - (CauliflowerMosaicVirus 35S promoter) - promótor vírusu karfiolovej mozaiky
PA - pomalá aglutinácia
PCB - polychlóvané bifenyly
PCR - polymerázová reťazová reakcia
PI-3 - parainfluenza 3
PI-5 - parainfluenza 5
PO - takto označené skúšky vykonáva skúšobné laboratórium Prešov
ppDDD - 1,1,1-dichloro-2,2-bis (4-chlorophenyl) ethane
ppDDE - 1 dichloro-2,2 bis(p-dichlorodiphenyl) ethylene
ppDDT - 1,1,1-trichloro-2,2-bis (4-chlorophenyl) ethane
PRRS - porcinnýrespiratórny a reprodukčný syndróm
RBT - Rose-Bengal test
RIA - rádioimunoanalýza
RPK-EH 1 - Rhinopneumónia (EquineRhinopneumonitis) - Equineherpesvirus type 1;
SBV - vírus vreckovitosti včelieho plodu (SacbroodVirus)
SE - stafylokokový enterotoxín (napr. SEA - stafylokokový enterotoxín A)
semikvant. - semikvantitatívna
SL - skúšobné laboratórium
SR - Slovenská republika
STN - slovenská technická norma
SVC – jarná virémia kaprov
SVCV - vírus jarnej virémie kaprov (SpringViremia of CarpVirus)
SY - sunsetyellow
ŠPP - štandardný pracovný postup
ŠVPS SR - Štátna veterinárna a potravinová správa Slovenskej republiky
T-nos - terminátor génu nopalín syntézy
TBEV – vírus kliešťovej encefalitídy (Tick-BorneEncephalitisVirus)
TBHQ – terciárny butylhydrochinón
TDH - termostabilný priamy hemolýzín (ThermostableDirectHaemolysin)
THBP - 2,4,5-Trihydroxybutyrophenon
Transnenasýtené mastné kyseliny * - kyselina elaidiková C18:1n9t, kyselina linoleaidiková C18:2n6t
TRH - termostabilný príbuzný hemolýzín (ThermostableRelatedHaemolysin)
UM - úradná metóda
VHS – vírusová hemoragickáseptikémia (ViralHaemorrhagicSepticaemia)
VHSV - vírus hemoragickej vírusovej septikémie(ViralHaemorrhagicSepticaemiavirus)
VN - vírusneutralizačný test

Osoby spôsobilé modifikovať a validovať metódy/ vyvíjať nové metódy počas platnosti akreditácie

Meno a priezvisko, tituly	Spôsobilosť modifikovať a validovať metódy/vyvíjať nové metódy - - č. položky
Eva Hrnčiariková, Ing.	2-5
Michaela Vieriková, RNDr., PhD.	2-5
Róbert Germuška, Ing., PhD.	8, 14
Miriám Vlčáková, Ing., PhD.	9
Silvia Tóthová, Ing.	9
Katarína Hanková, RNDr.	6,7
Denisa Pagáčiková, RNDr., PhD.	6,7
Marianna Fričová, Ing.	1
Lucia Šulejová, MVDr.	10,11,12,13
Júlia Jurovčíková, RNDr.	12,13
Silvia Baleková, RNDr.	10,11,12
Miriám Filipová, RNDr., PhD.	12,13
Zuzana Kubicová, RNDr.	12,13
Pavĺna Niníková, MVDr.	12,13
Patrícia Krupová, Mgr.	1

ŠPP bolo vypracované na základe nasledovných dokumentov:

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