



# Eradication programme ASF 2015



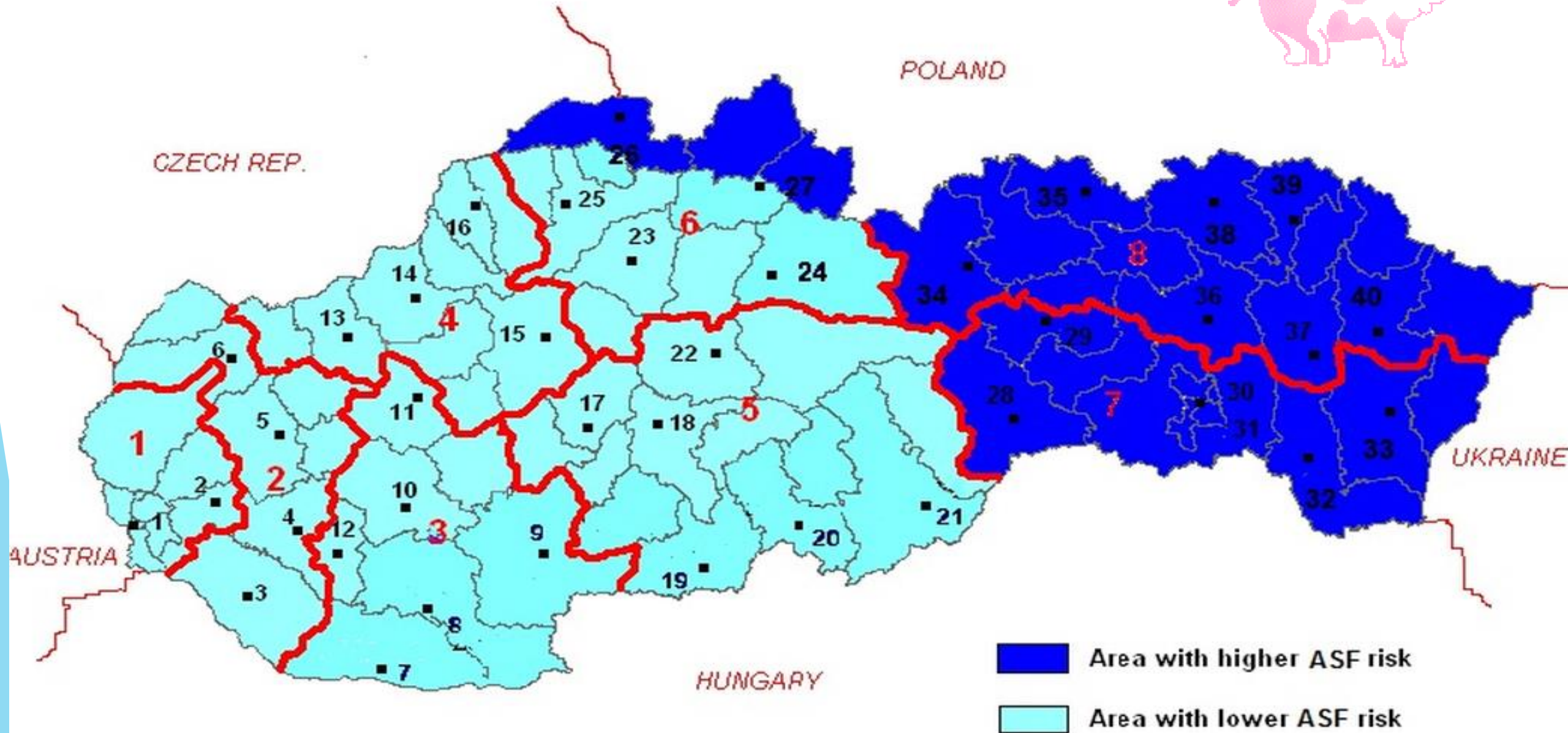
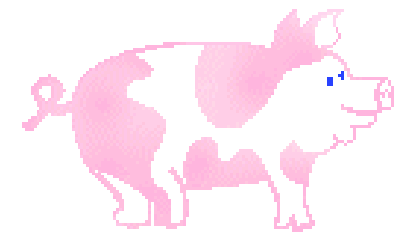
*prof. Jozef Bires, DVM, DSc.,  
Chief Veterinary Officer*

# ASF in the Slovak Republic

- ▶ No positive ASF case in domestic pigs and in wild boars



# MAP OF THE AREA UNDER PROGRAMME



# ASF - national control programme in the Slovak Republic in 2015

## Includes:

- ▶ Legal framework
- ▶ Financial provision (National budget + EC cofinancing)
- ▶ Monitoring and surveillance ASF
- ▶ Allocation of the risk area
- ▶ Measures taken for preventing spread of the disease/contamination/



# ASF - national control programme in the Slovak Republic



- ▶ Tasks of the state administration authorities, the Slovak Chamber of Hunters and Farmers in ASF eradication in domestic pigs and wild boars
- ▶ Laboratory diagnostics
- ▶ Other activities - such as training programmes, consultations, cooperation with the breeders, farmers, hunters, meeting on bilateral or trilateral level

# Legal framework for ASF control



- ▶ Act No. 39/2007 Coll., on Veterinary Care as amended (hereinafter as „Act No. 39/2007 Coll.“)
- ▶ Ordinance of the Government of the Slovak Republic No. 277/2003 Coll. on Measurements for African Swine Fever
- ▶ Act No. 274/2009 Coll. on Hunting as amended

# Financial provision



- ▶ Payment of compensation for virologically positive hunted and found dead wild boars through the District Veterinary and Food Administrations (hereinafter as the „DVFA“) and subsequent presentment for re-invoicing to the SVFA SR
- ▶ Laboratory diagnostics through the SVFA SR



# Monitoring ASF in wild boars

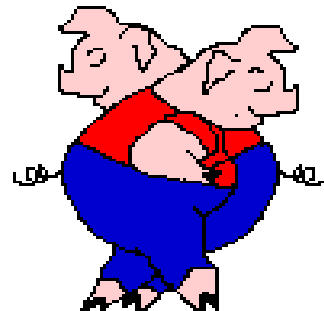


- ▶ In the area of higher ASF risk virologically investigate (PCR) all hunted and dead wild boars - the territory with Ukraine and Poland
- ▶ In the area of lower ASF risk virologically investigate (PCR) all dead and hunted sick (with behavioural changes) wild boars - the other territory of Slovakia
- ▶ Provide sampling by the person trained in examination of the animals after hunting



# ASF surveillance in domestic pigs

- ▶ passive surveillance only
- ▶ clinical surveillance in all pig holdings by private vets at least twice a year
- ▶ virological monitoring of all sick and death domestic pigs with ASF-clinical signs



# Sampling and diagnostics of ASF

Diseases with similar clinical symptoms and pathological-anatomical changes:

- CSF
- PRRS
- Erysipelas
- Salmonellosis
- Circovirus infection
- Coumarin (warfarin) poisoning

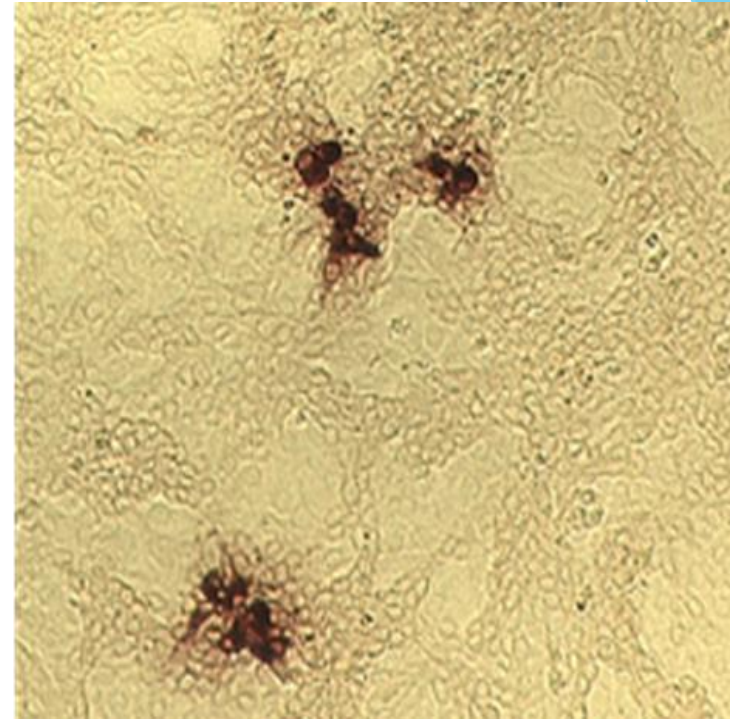


# Sampling and diagnostics of ASF

Laboratory methods  
for ASF diagnosis

## Detection of antibodies

- ▶ **ELISA tests**
  - ▶ Indirect ELISA (Ingenasa)
  - ▶ **Blocking ELISA (Ingenasa)**
- **Confirmation tests**
  - ▶ Immunoblotting (IB)
  - ▶ **IPMA**



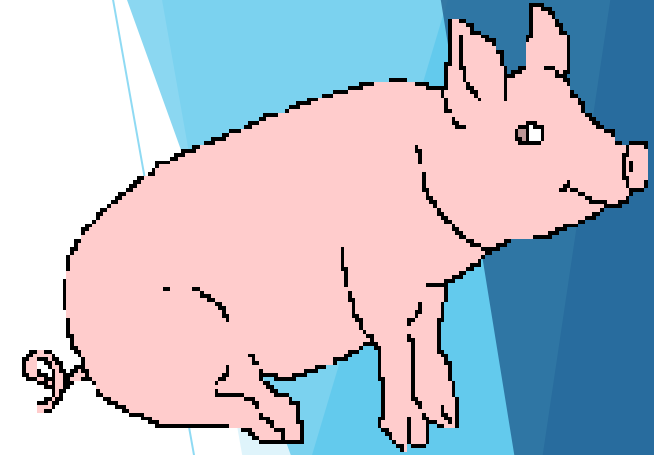
Positive immunoperoxidase  
staining in IPMA (serum with  
Ab against ASFV)

# Sampling and diagnostics of ASF

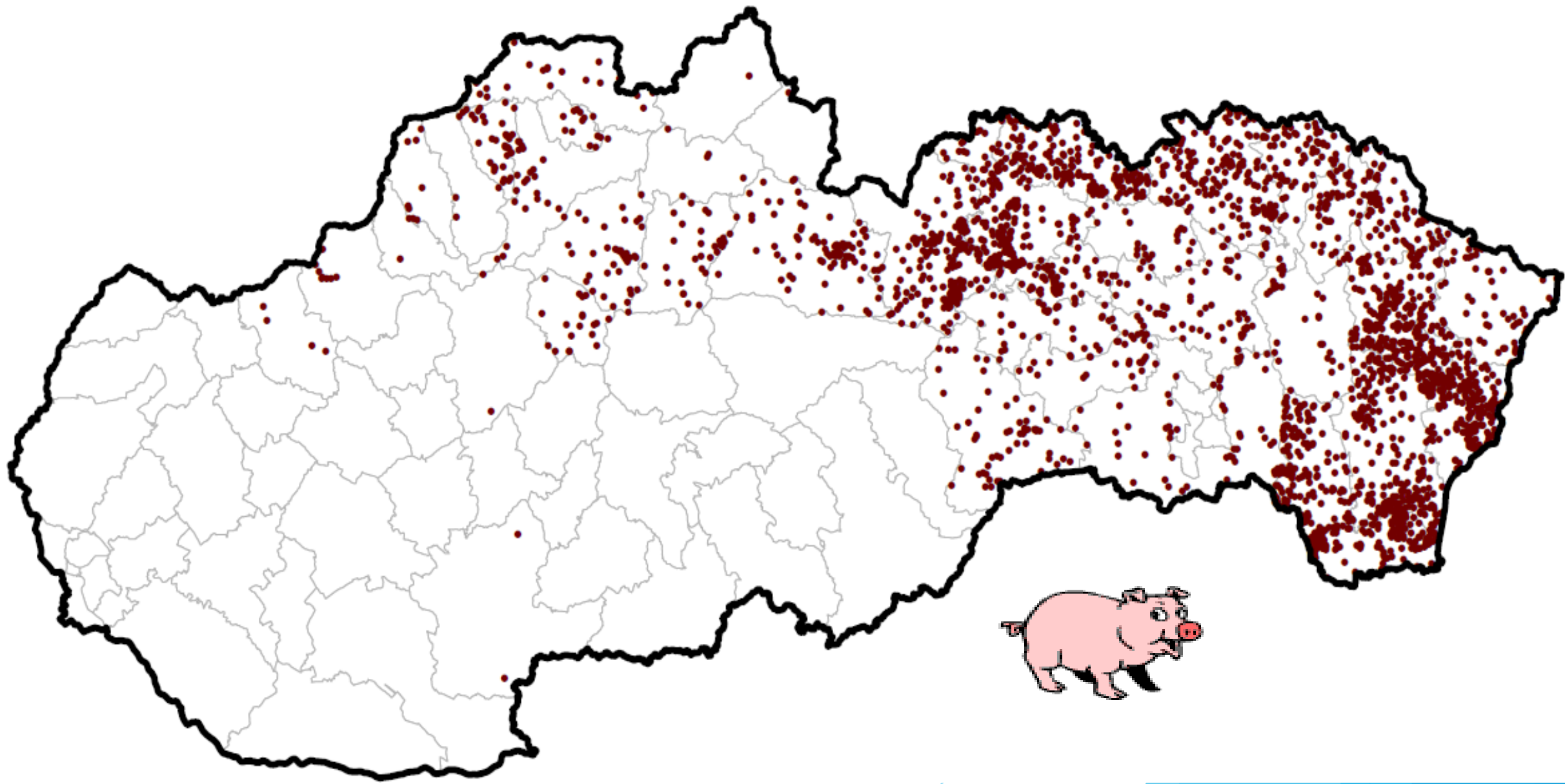
Laboratory methods for ASF diagnosis

## Detection of virus

- ▶ PCR methods (CRL strongly encourages to incorporate PCR techniques as first choice)
  - ▶ Conventional PCR method specific for ASFV (Aguero at al., 2003)
  - ▶ Real-time PCR method specific for ASFV (Fernández-Pinero at al., 2009)
  - ▶ Real-time PCR method specific for ASFV (King at al., 2003)



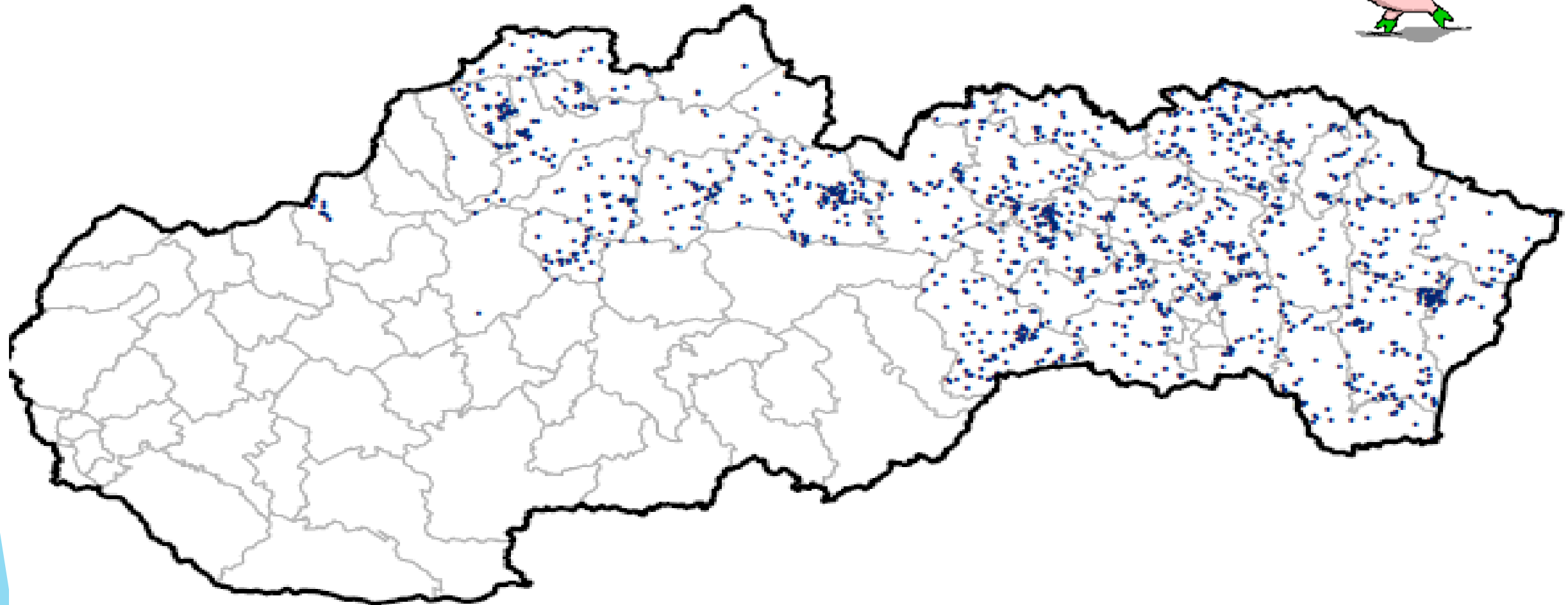
# Geographical distribution of wild boars samples investigated for ASF antibodies in Slovakia during 2014



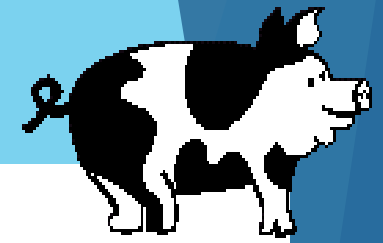
# Geographical origin of samples submitted for ASFV in wild boars in Slovakia during 2014



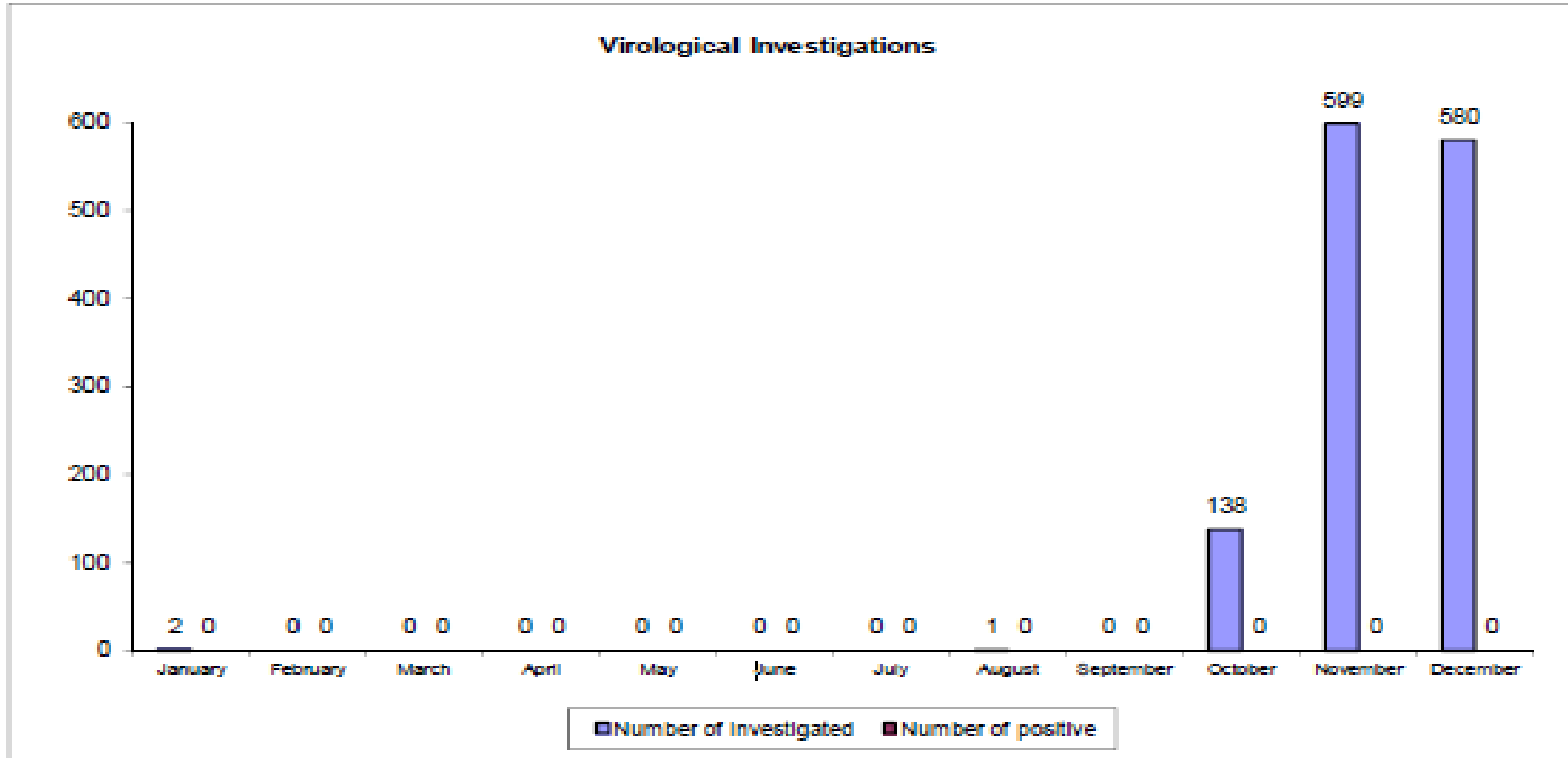
virological



# Results of ASF monitoring



## Laboratory Investigations of ASF in wild boars in Slovakia during 2014



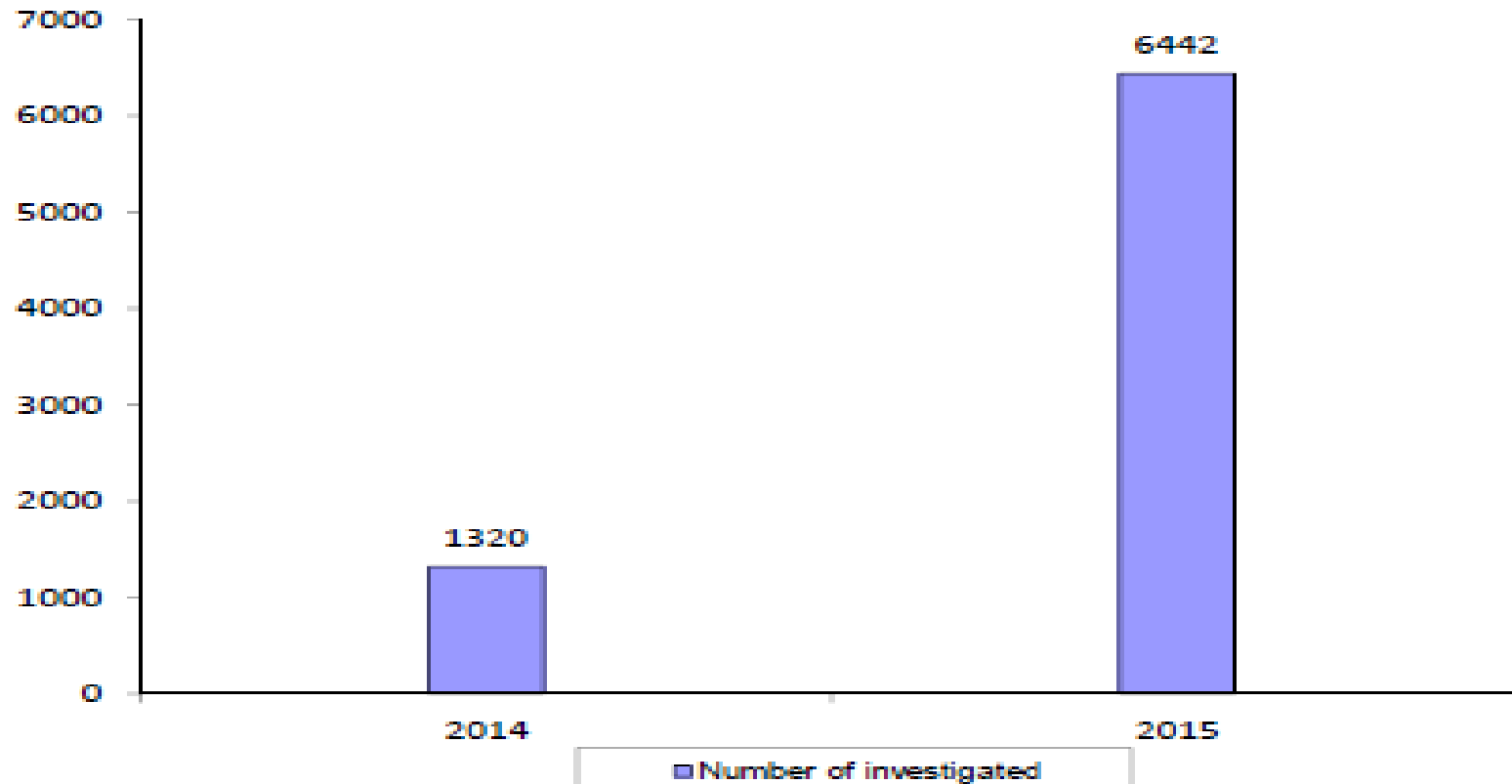


# Results of ASF monitoring



Laboratory Investigations of ASF in wild boars in Slovakia during 2012 - 2015

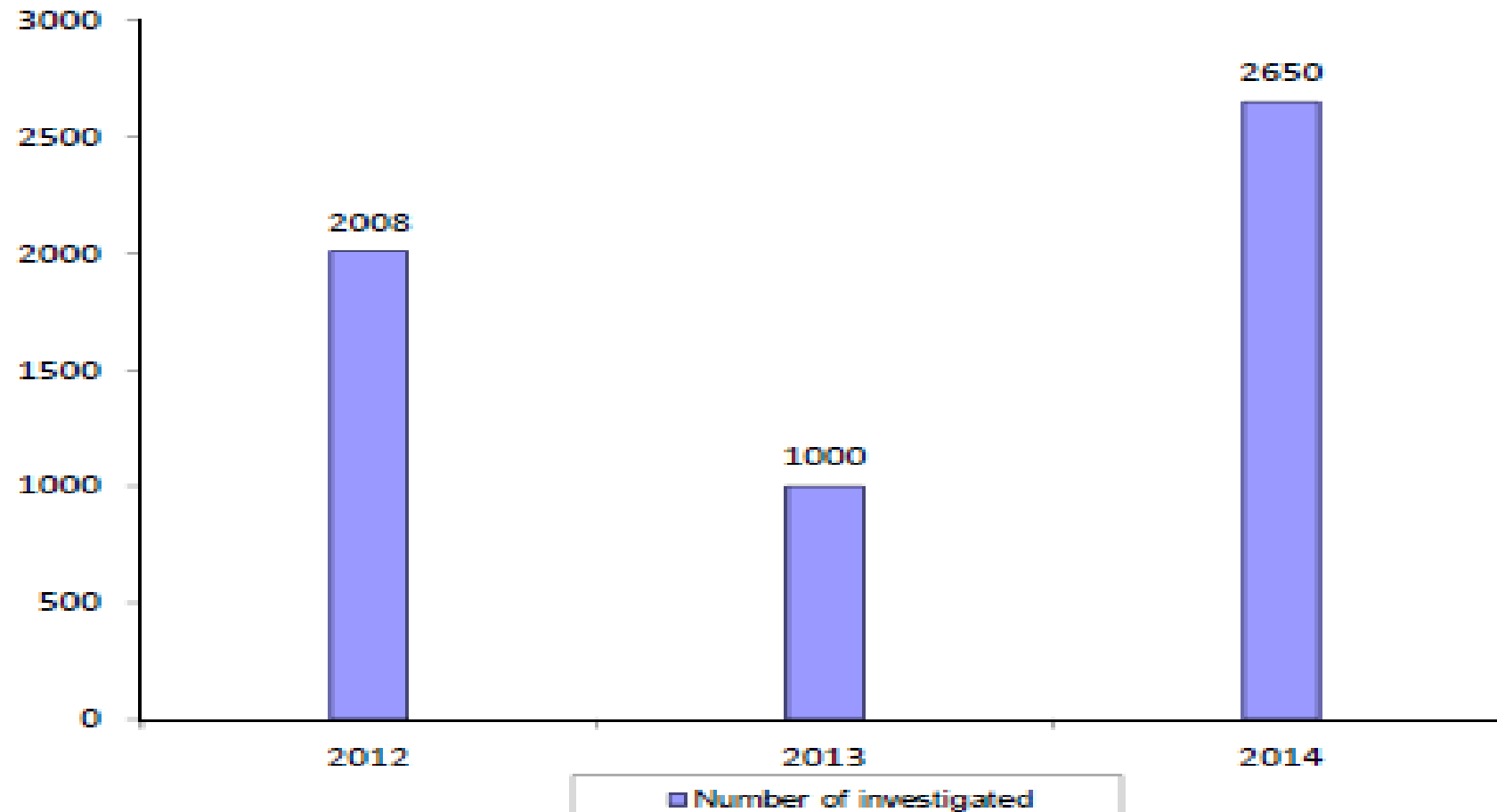
Virological Investigations



# Results of ASF monitoring 2012-2014



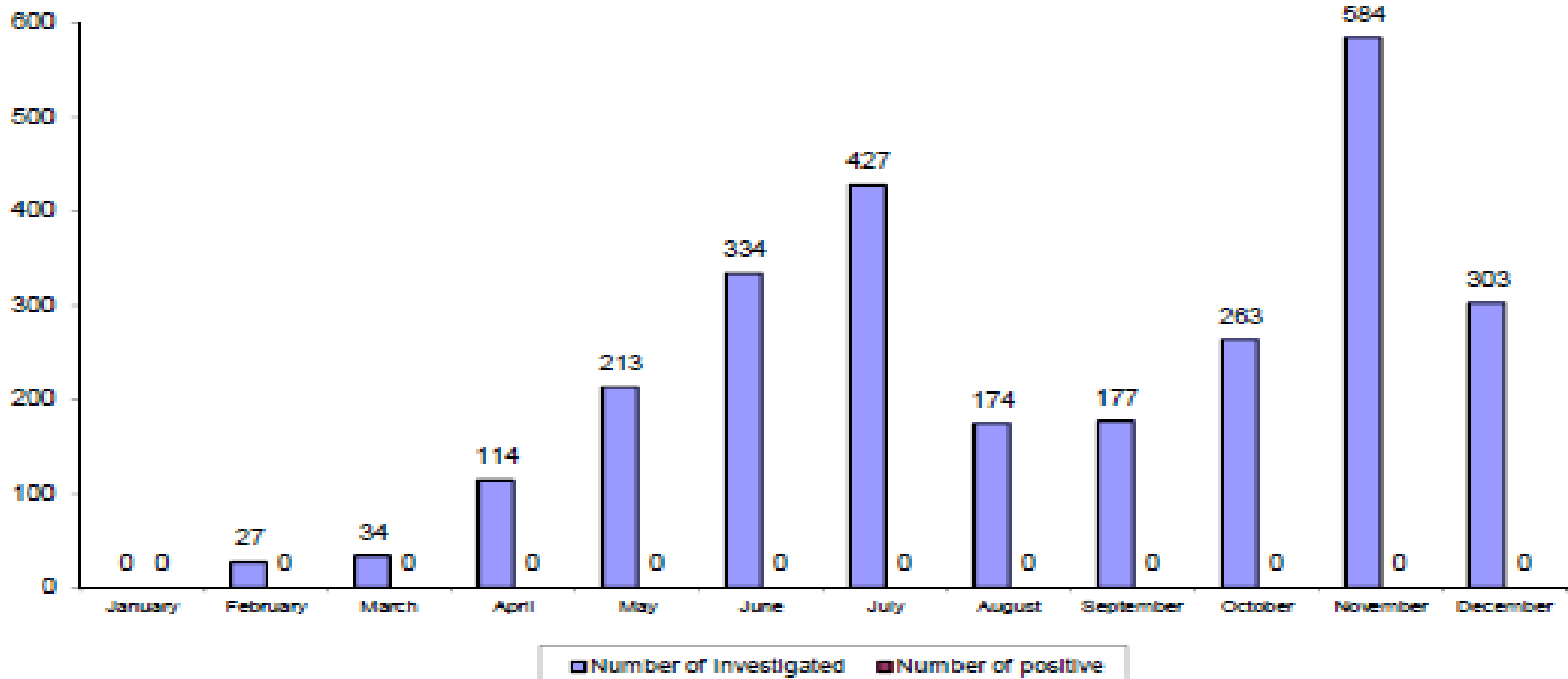
Serological Investigations



# Results of ASF monitoring 2014

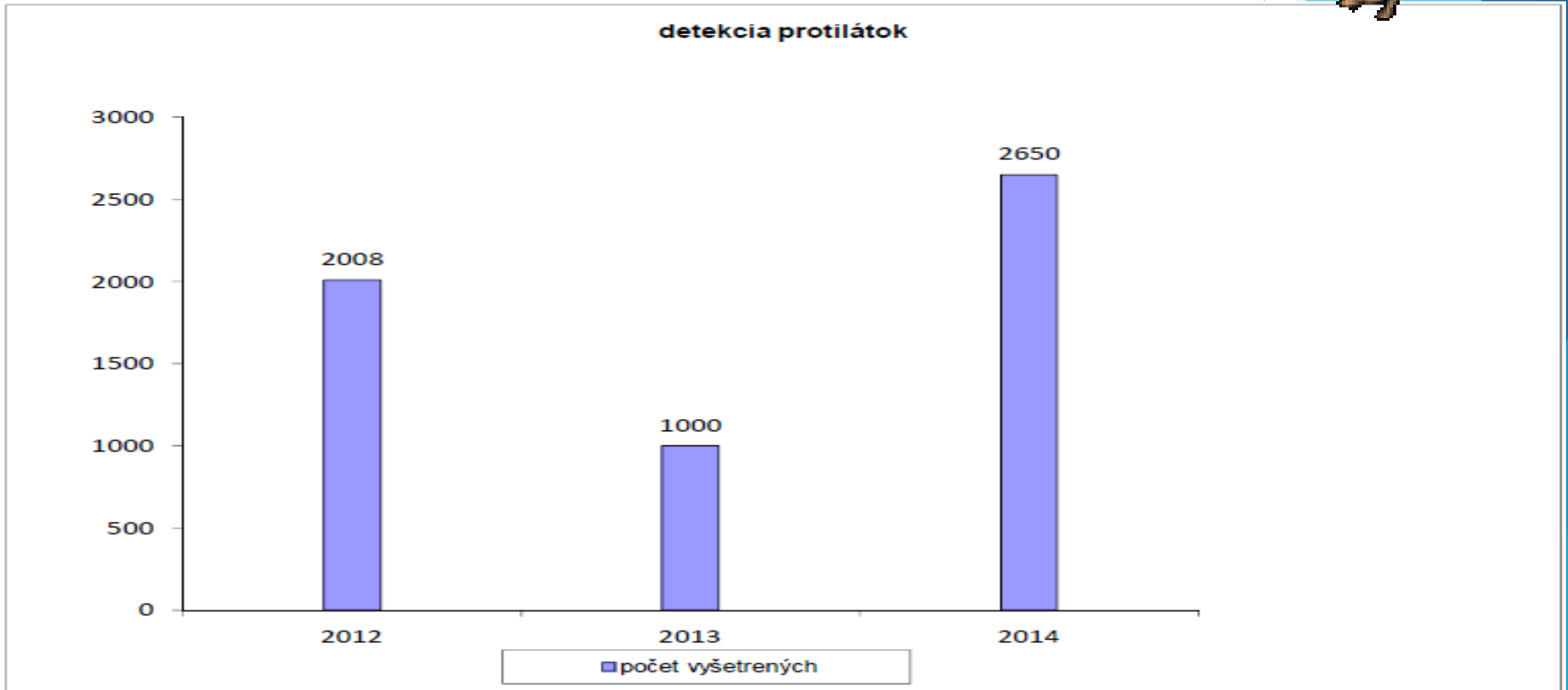


Serological Investigations



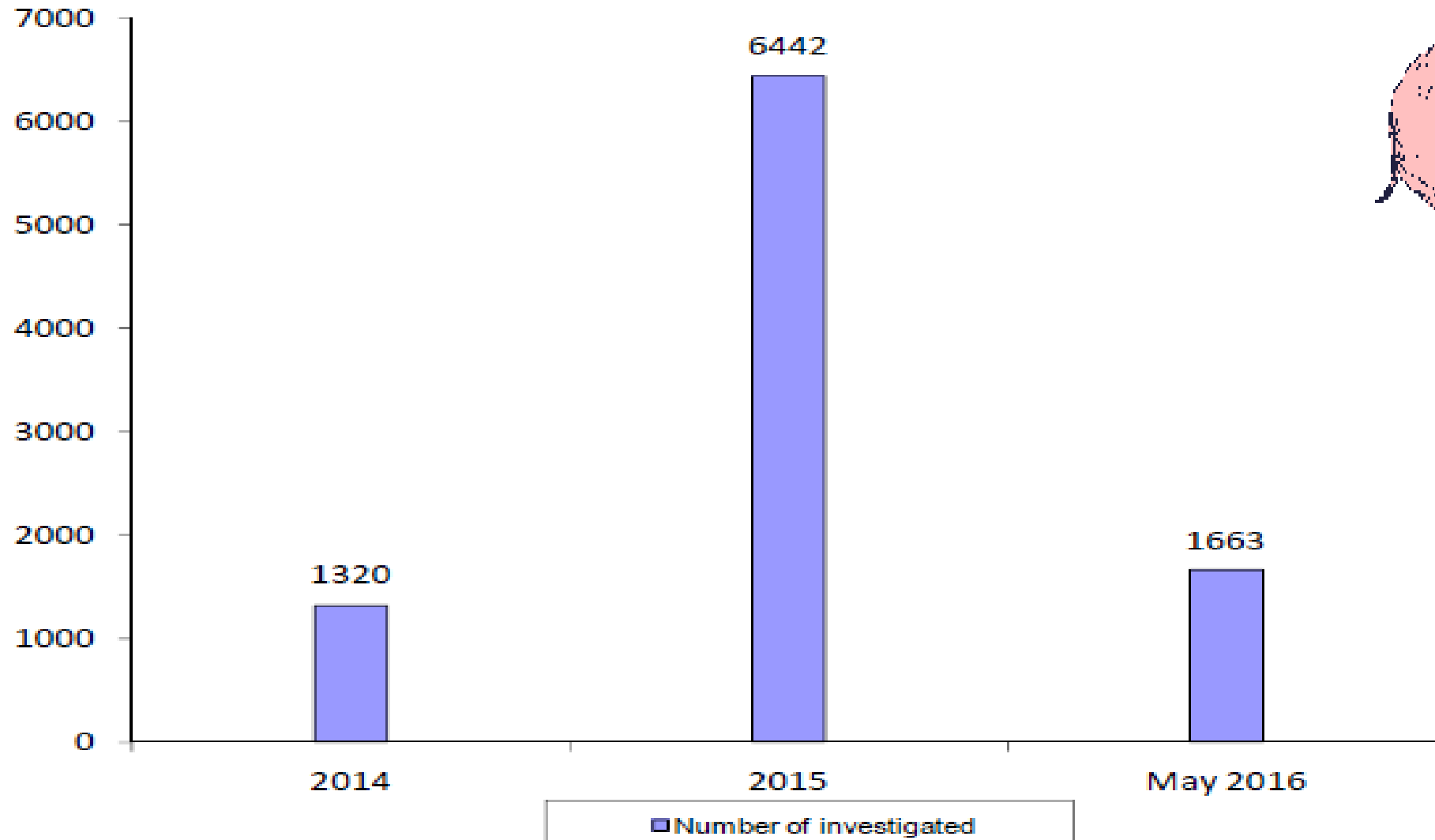
# Laboratory Investigations : ASF in wild boars in Slovakia; period: 2012 – 2014

## *Serological investigation*

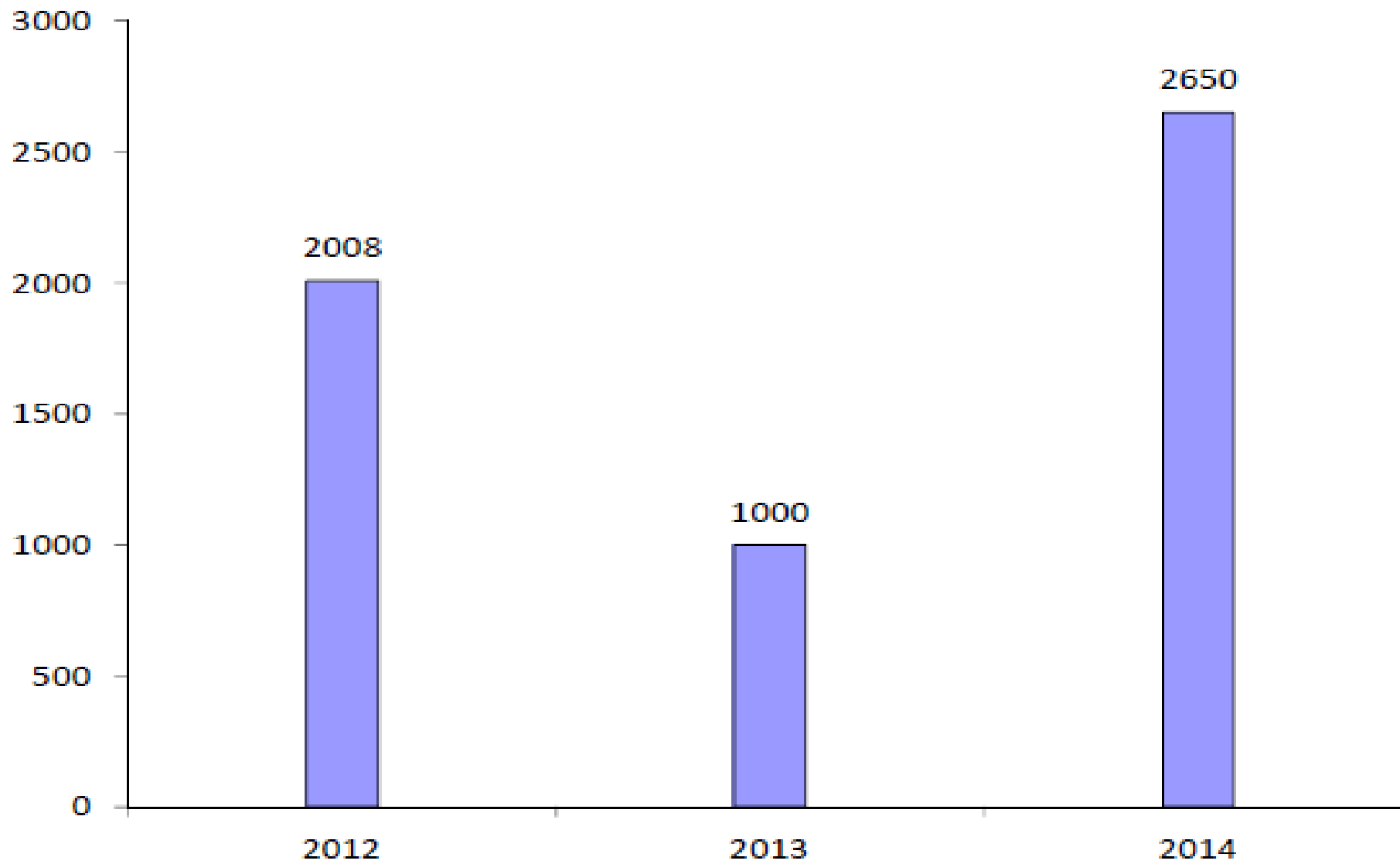


# Laboratory Investigations of ASF in wild boars in Slovakia during 2012 - 2016 (20 May)

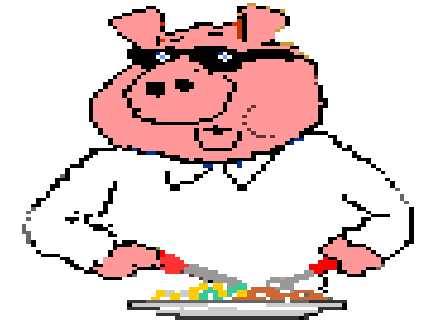
## Virological Investigations



# Serological Investigations

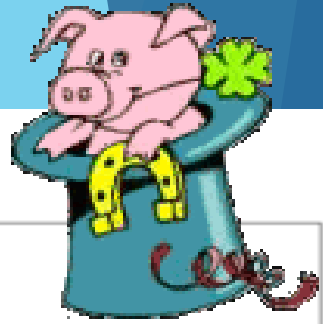


■ Number of investigated

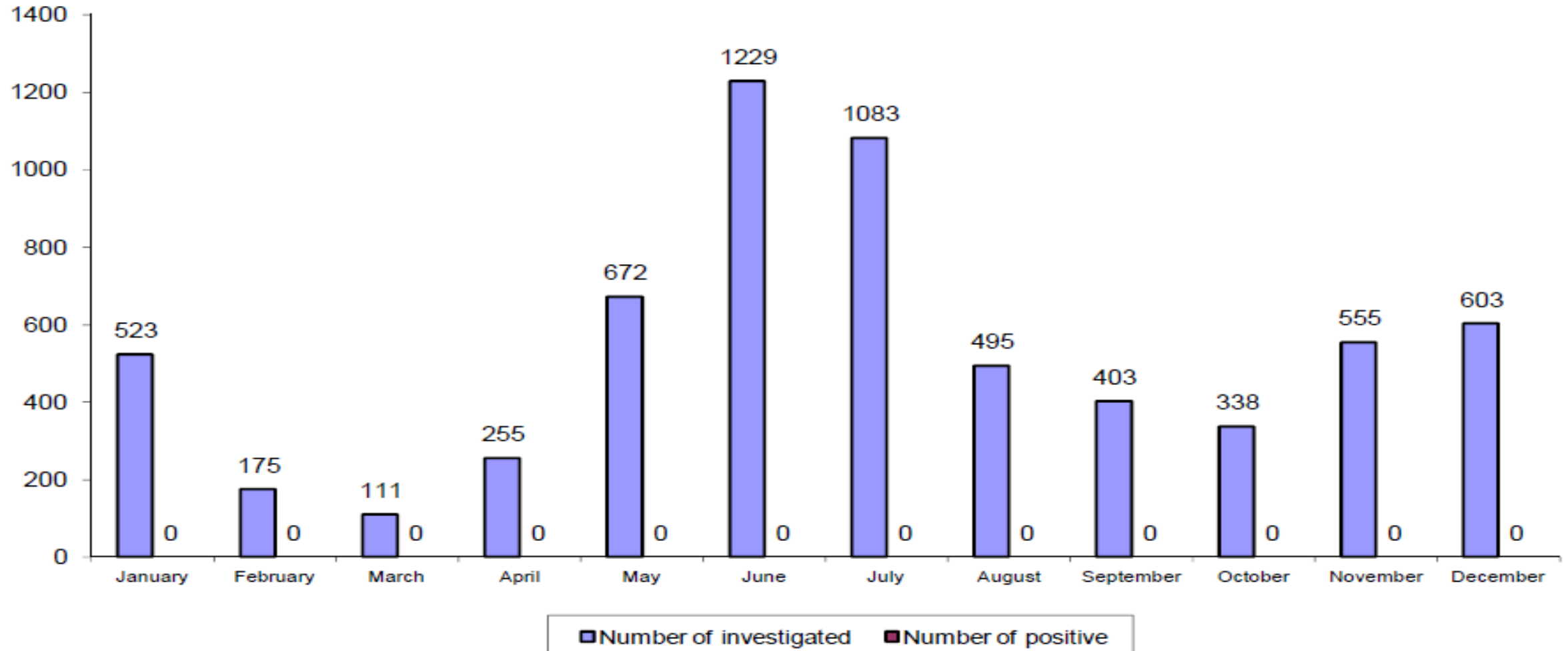


# Results of ASF monitoring

## Laboratory Investigations of ASF in wild boars in Slovakia during 2015

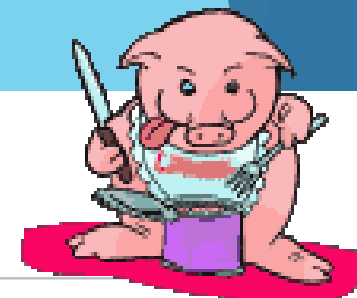


Virological investigations



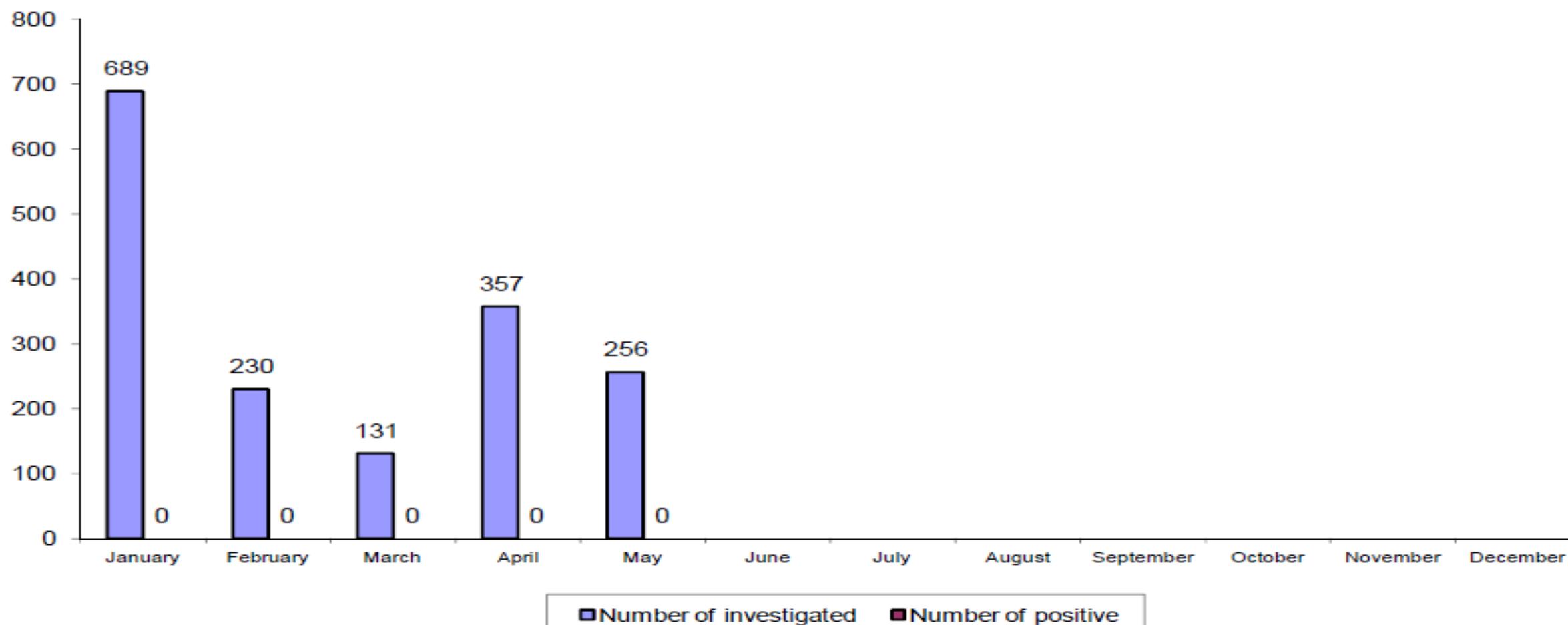


# Results of ASF monitoring

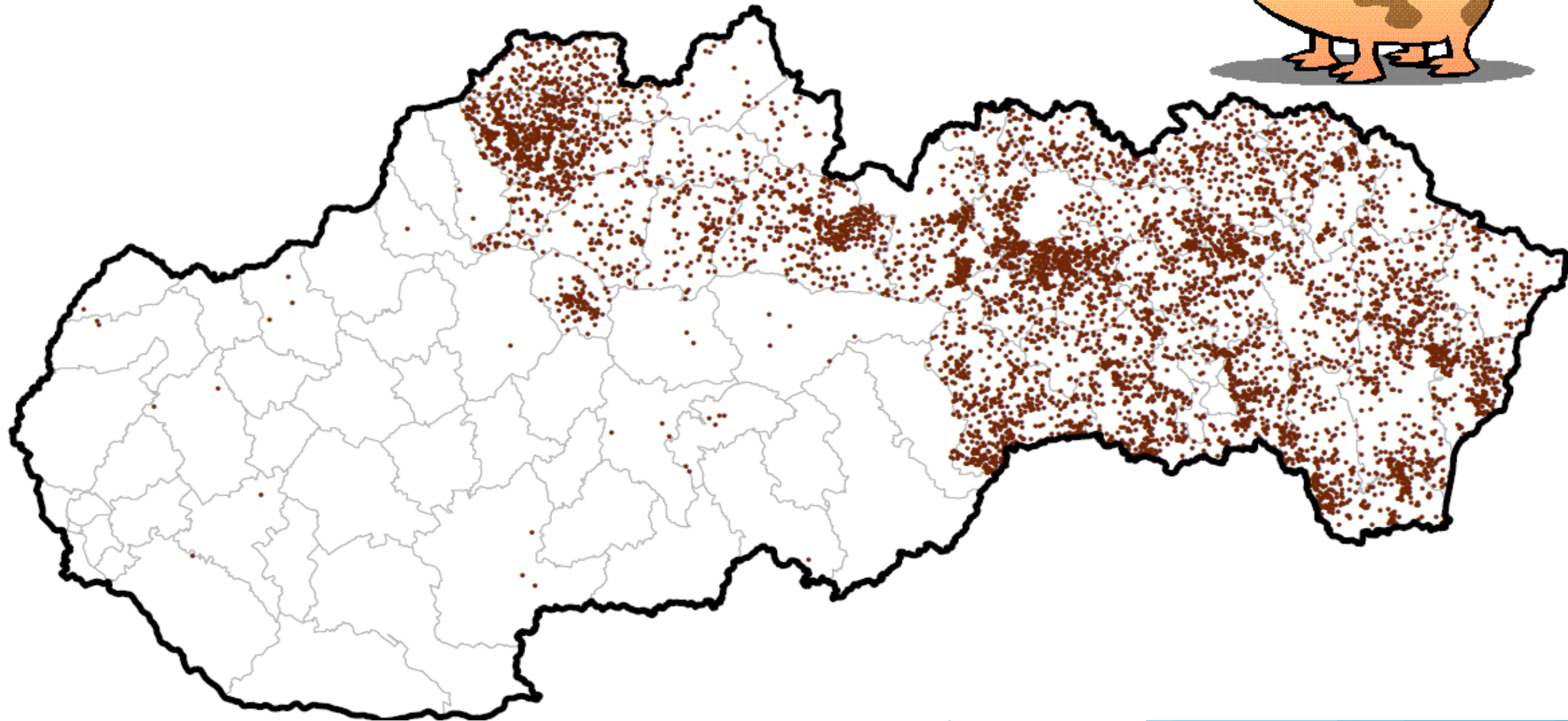
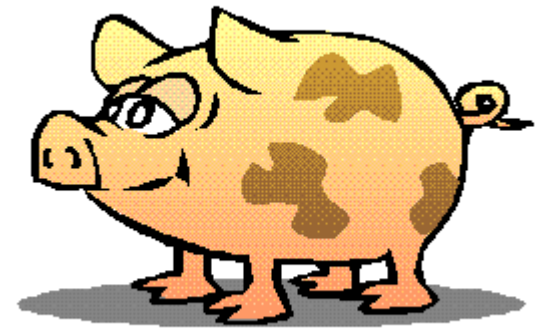


Laboratory Investigations of ASF in wild boars in Slovakia during 2016 (January - 20 May)

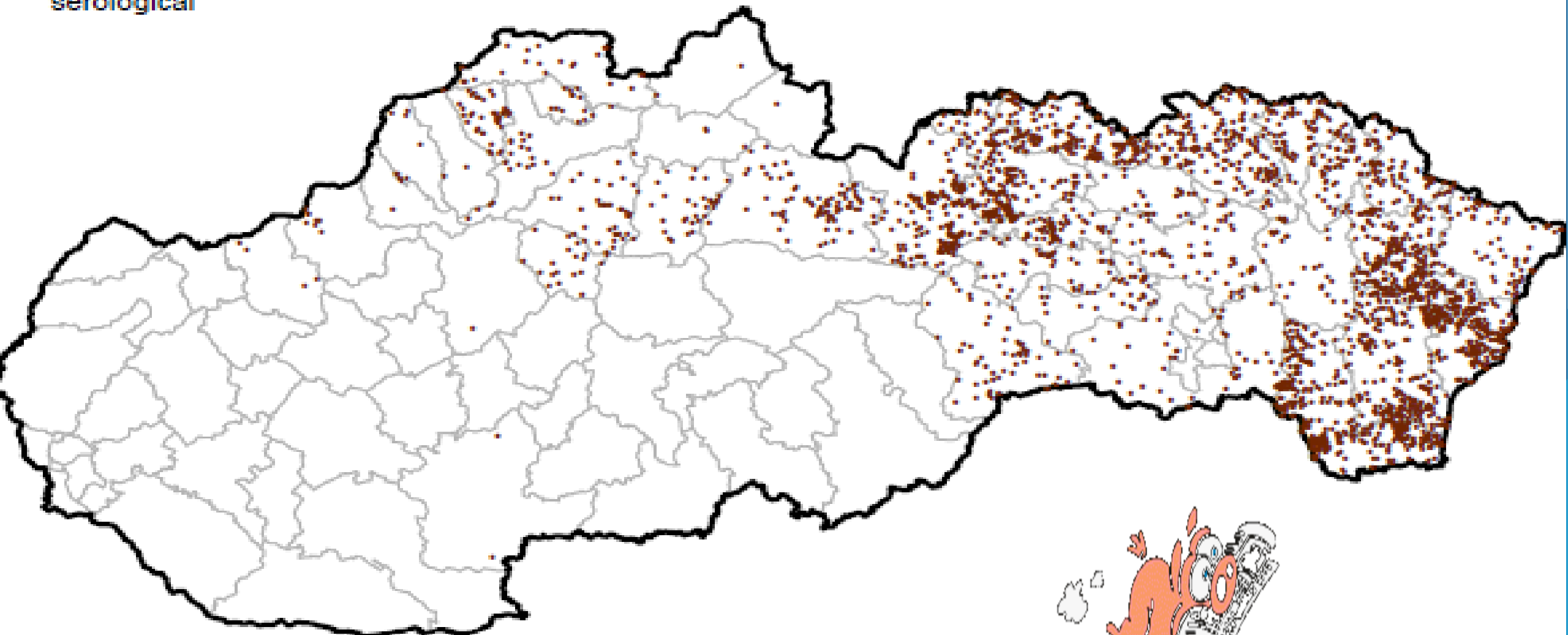
Virological Investigations



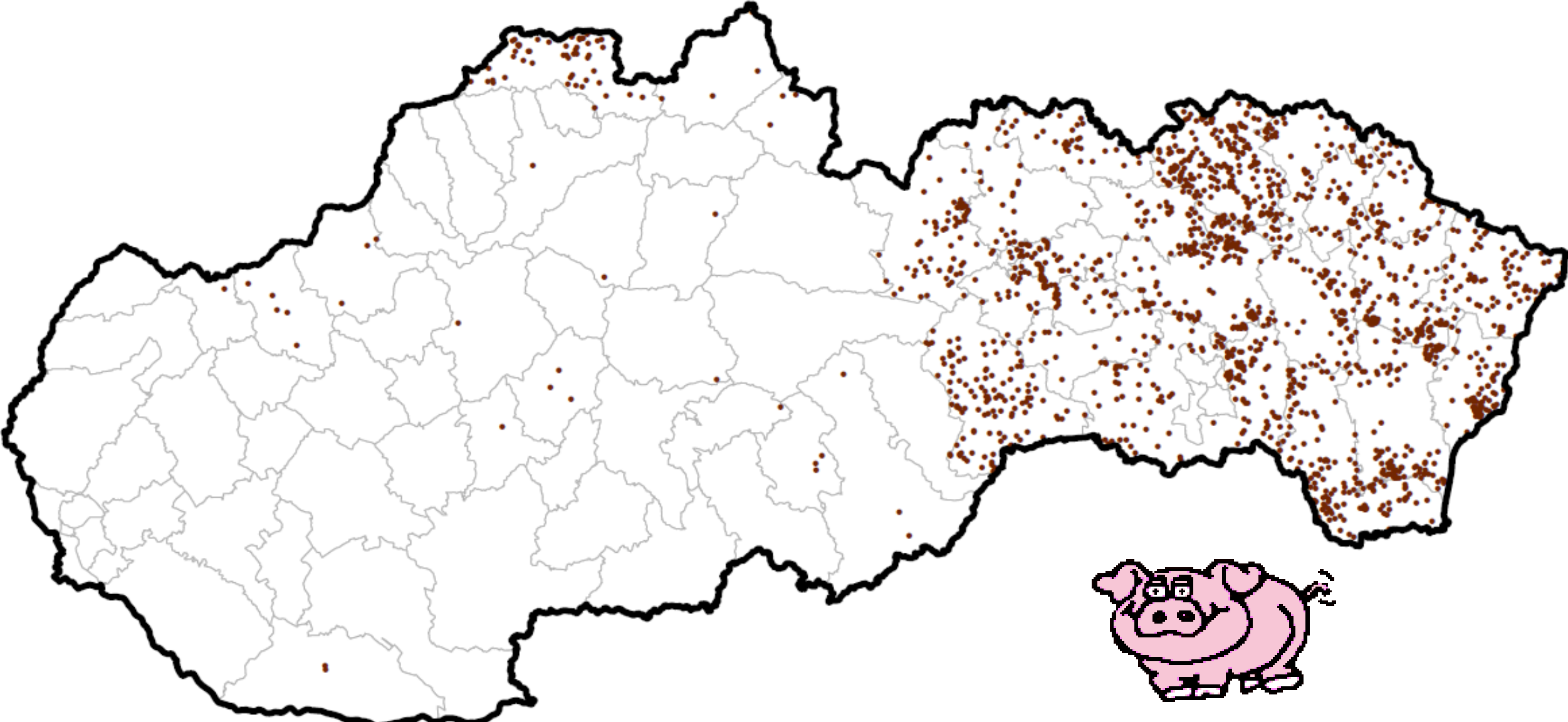
Geographical distribution of wild boars samples investigated for ASF virus in Slovakia during 2015



serological



Geographical distribution of wild boars samples investigated for ASF virus in Slovakia during 2016 (January - 20 May)



# ASF surveillance 2012- May 2016



Year	Wild boars		Pigs	
	Serologically	Virologically	Serologically	Virologically
2012	2008	0	0	0
2013	1000	0	0	0
2014	2650	1320	0	2
2015	0	6442	2	3
May 2016	0	1663	1	3

# ASF surveillance 2012-2015



Year	Wild boars		pigs	
	Serologically	Virologically	Serologically	Virologically
2012	2008	0	0	0
2013	1000	0	0	0
2014	2650	1320	0	2
2015	0	6442	2	3



# Requirements for final reports

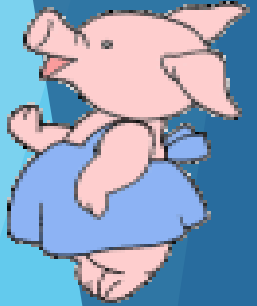
Member State: Slovak Republic – year 2015

Disease/species	Test(1)	Type of sample (d)	Type of test (e)	Number of tests performed
ASF/wild boars	PCR	organs	surveillance	6442
ASF/swine	PCR	organs	surveillance	3

Costs Related To	Eligible Measures	Number of Units	Unit cost	Cofinancing Rate (%)	Claimed amount
Testing	Cost of analysis PCR	6445	19,01	75	91 889,59



# Activities and challenges in ASF



- ▶ to preserve current health status (role of the official (private)veterinarians - veterinary supervision, veterinary certification, movement controls, imports, exports)
- ▶ keeping on intensive ASF monitoring programme in wild boars and domestic pigs - risk analysis
- ▶ **update of the eradication ASF plan for WB and DP**
- ▶ maintaining strict biosecurity measures on the farms - owners and farmers responsibility

# Current measures in respect of biosecurity at the border of Slovakia with Ukraine



- ▶ Checks of disinfection of means of transport in accordance with Commission Implementing Decision No 2013/426/EU (guideline of the SVFA SR NO. 718/214-240)
- ▶ Control of passenger luggage in accordance with Commission Regulation (EC) No206/2009
- ▶ Sampling of the confiscated product of animal origin in personal luggage of travellers (400 samples) - 526 seizures of products AO at entry points with Ukraine
- ▶ Workshops training for stakeholders involved in controls (BIP inspectors, customs officers)
- ▶ Presentations leaflets and posters for public and transport companies





**Thank you for  
your attention**

