

This tool was developed by B. Haesler, RVC (4th Sep 2015)

# SURVEILLANCE COST CALCULATOR TOOL

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Surveillance Costs Calculator tool

Begin by setting up your individual data input sheet, this is done by pressing the 'Set Conditions' button in the top left corner of the 'Input' sheet. Select the sections relevant to your programme. See the example lists at the bottom of this page for suggestions of what falls under each category.

Proceed to sheet two and input all relevant data within the highlighted cells, once complete summary of costs can be viewed on sheet 3.

Planning	Preparation	Sampling	Laboratory Testing	Reference Function
Description of problem (outline)	Coordination of activities with collaborators	Abattoir visit	Bacteriological culture	Reference function for IBR
Collection of information/literature	Recruitment of staff	Farm visit	Bacteriological microscopy	Reference function for EBL
Description of rationale	Training of staff	Retailer visit	Bacteriological phage typing	Reference function for BM
Determination of scope and objectives	Setting up pilot study	Other visit	Bacteriological serotyping	Reference function for AUJ
Working group discussions	Analysis of pilot study	Taking blood sample	Bacteriological Ag ELISA	Reference function for PRRS
Description of expected outcomes	Interpretation of results from pilot study	Material for blood sample	Bacteriological MIC-Agar dilution	Reference function for CAE
Outline structure of surveillance system and timeline	Development of new methodology	Taking milk sample	Bacteriological Western Blot	Reference function for BSE
Identification of tasks/roles/responsibilities	Adaptation of existing methodology	Material for milk sample	Bacteriological PCR	Reference function for AI
Identification of collaborators	Establishment of surveillance design	Taking swab sample	Bacteriological RT-PCR	Reference function for BT
Assignment of tasks/roles/responsibilities	Adaptation of existing surveillance design	Material for swabs	Bacteriological staining	Reference function for Salmonella poultry&pigs
Case definition	Development of sampling plan	Taking urine sample	Bacteriological IFAT	Reference function for Trichinella
Risk assessment	Establishment/testing of reporting system	Material for urine sample	Antibiotic sensitivity MIC Agar dilution	Reference function for BVD
Sample size estimation	Establishment/testing of database	Taking biopsy	Antibiotic sensitivity disc diffusion	
Specification of sampling method	Establishment/testing of communication system(s)	Material for biopsy	Antibiotic sensitivity beta Lactamase test	
Specification of sampling scheme	Establishment of controlling and monitoring system	Taking meat sample	Bulk milk ELISA	
Specification of laboratory analysis	Formulation of sampling plans	Material for meat sample	Bulk milk PCR	
Specification of databases and IT systems	Formulation of specific sampling lists	Taking aspirate, exudate, mucus sample	Parasitological digestion method	
Specification of controlling/monitoring activities	Preparation of forms/questionnaires	Material for aspirate, exudate, mucus sample	Parasitological microscopy	
Specification of data analysis	Preparation of information letters/brochures	Taking fecal sample	Parasitological flotation	
Specification of communication activities	Formulation of list with sampling material	Material for fecal sample	Parasitological filtration	
Budget calculation	Ordering sampling material	Taking abortion material, placenta sample	Parasitological IFAT	
	Assembling sampling material	Material for abortion or placenta sample	Parasitological Baermann technique	
	Establishment of central custom boards	Taking whole organs or body parts	Parasitological identification	

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