



TABLE 1: *Toolbox: Extraction of relevant components to develop a representative sampling scenario*

Generic areas		Components	
A	Population of interest	1	General study design and study questions
		2	Statistical hypothesis to be tested
		3	Unit to be investigated (batch/lot)
		4	Stratification of the population (including groups of units of the same likelihood to be contaminated)
B	Food item/ Matrix	1	Characteristics
		2	Production technique
		3	Traceability
		4	Business information
C	Pathogen	1	Characteristics
		2	Distribution in the matrix
		3	Contagiousness
		4	Epidemiology
		5	Microbiology
D	Laboratory analysis/Detection method	1	Method
		2	Sensitivity
		3	Specificity
E	Legal regulations	1	Responsibilities
		2	Detection method
		3	Limit values
F	Veterinary administration	1	Staff capacity
		2	Financial capacity
G	Statistical parameters	1	Calculation method
		2	Statistical errors (alpha, beta)
		3	Absolute error delta (or effect size)
		4	Measures of uncertainty (or effect size)