

Table 1. List and typology of the biosecurity measures addressed in the questionnaire

Biosecurity measures		Benefits	Possible constraints			
		Diseases concerned*	Operational aspects	Workload	Major cost / Infrastructure	Depends on others
M1	Mandatory or recommended control program	3	Yes	Yes	Yes	Yes
M2	Maintaining a closed herd	3	Yes	No	No	No
M3	Applying an all-in/all-out system (for veal calf farms)	3	Yes	No	Yes	No
M4	Control status / serological test of animals before purchase	2	No	No	No	No
M5	Applying a proper quarantine (21 days min., separated barn with no physical contact with other animals, specific or cleaned and disinfected clothes/boots and materials affected to that area)	3	Yes	Yes	Yes	No
M6	Controlling entering vehicles (no access to animal transit areas)	2	Yes	No	No	Yes
M7	Physical isolation of sick animals and/or aborted cows (separate barn with no physical contact with other animals, specific or cleaned and disinfected clothing/boots and materials affected to that area)	2	Yes	Yes	Yes	No
M8	Avoiding access to surface water in pastures (e.g. rivers, streams, ponds)	1	No	No	Yes	No
M9	Having a proper carcass disposal system (cemented area and carcass cover)	1	No	No	Yes	No
M10	Having feeding dedicated equipment, not using feeding utensils for other usage (e.g. litter/manure handling,)	2	Yes	No	No	No
M11	Proper work organization (attending the animals from the young to the old and from the healthy to the sick)	2	Yes	No	No	No
M12	Having maternity boxes or pens physically separated from other animals	3	Yes	Yes	Yes	No
M13	Regular testing of animals for carriers detection and elimination	2	No	No	No	No

M14	Placing calves in individual boxes/hutches with no possible contact with others (if suckling herds: leave blank)	2	Yes	Yes	Yes	No
M15	Ensuring usage of disposable clothes and boots and hands disinfection by professional visitors (veterinarian, inseminator, cattle salesman) before entering into the barns	3	Yes	No	Yes	Yes
M16	Keeping the litter dry and clean, good hygiene in barns	1	Yes	Yes	No	No
M17	Having double fencing in pastures to prevent contact with animals from other farms	3	No	No	Yes	Yes

Legend: * Number of infectious diseases which can be partially controlled by this BSM among the 3 diseases proposed.