

Supplementary information

Using weight loss to predict outcome and define a humane endpoint in preclinical sepsis studies

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Supplementary Tables

Supplementary Table 1. Score sheets used in 2014-2018 (cohort 1).

Criteria	Score	Description
Mobility + aspect	0	Normal
	1	Bristly hair
	2	Bristly hair and (conjunctivitis or diarrhea or mobility impairment)
	3	Bristly hair and (conjunctivitis or diarrhea) and mobility impairment
	4	Moribund
Action	4	Euthanasia

Scores are calculated depending on observable traits and mobility. Mice are monitored every 8 to 24 hours. Weight is measured at the same time as the score is evaluated.

Supplementary Table 2. Score sheets used in 2018-2023 (cohort 2).

Criteria	Score	Description
Mobility	0	Normal
	1	Slower movement
	2	Hunched posture
	3	Moribund or uncontrolled movement
Aspect	0	Normal
	1	Bristly hair or conjunctivitis or diarrhea
	2	Bristly hair and conjunctivitis or diarrhea
Weight	0	No loss
	1	< 10% loss
	2	≥ 10% & <20% (<i>L. monocytogenes</i>) or <30% (other agents) loss
	3	Weight loss ≥ 20% (<i>L. monocytogenes</i>) or ≥ 30% (other agents)
Action	0-1	Monitored 3 times a week
	2-3	Monitor once a day
	4-5	Monitor twice a day
	Total of 6, or 3 in mobility or 3 in weight	Euthanasia

Scores are calculated depending on mobility, observable traits (bristly hair, conjunctivitis, diarrhea) and weight loss. The action column (calculated automatically in excel spreadsheets while recording sub-scores) indicates the actions to be taken according to the cumulative score of the criteria mobility, aspect, and weight.

Supplementary Table 3. Number and proportion of mice achieving > 30% weight loss in cohorts 1 and 2.

	Cohort 1 (2014-2018)			Cohort 2 (2018-2023)		
	Total mice (n)	Mice with > 30% weight loss (n)	Mice with > 30% weight loss (%)	Total mice (n)	Mice with > 30% weight loss (n)	Mice with > 30% weight loss (%)
<i>L. monocytogenes</i>	263	4	1.5	785	4	0.5
<i>S. pneumoniae</i>	211	1	0.5	510	1	0.2
H1N1	63	12	19.0	273	56	20.5

Supplementary Figures

