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Hepatitis E Virus in 3 Types of Laboratory Animals, China, 2012–2015

Technical Appendix

Technical Appendix Table 1. Microbes excluded in specific–pathogen-free animals

Animal	Microbes
Rabbits	*Salmonella* spp., *Listeria monocytogenes*, *Yersinia pseudotuberculosis*, *Y. enterocolitica*, pathogenic dermal fungi, *Pasturella multocida*, *Clostridium piliforme*, *Pasturella pneumotropica*, *Klebsiella pneumoniae*, *Staphylococcus aureus*, *Streptococcus pnemoniae*, β-hemolytic *Streptococcus*, *Pseudomonas aeruginosa*, rabbit hemorrhagic disease virus, Sendai virus, rotavirus, ectoparasites, *Toxoplasma gondii*, *Encephalitozoon cuniculi*, *Eimaria* spp., *Pneumocystis carinii*, all helminths and flagellates
Pigs	Foot and mouth disease virus, classical swine fever virus, porcine reproductive and respiratory syndrome virus, Japanese encephalitis virus, *Brucella* spp., pathogenic dermal fungi, *Leptospira* spp., pseudorabies virus, *Serpulina mahyodysenteriae*, *Bordetella bronchiseptica*, *Pasteurella multocida*, *Mycoplasma hyopneumoniae*, porcine parvovirus, porcine circovirus type 2, porcine transmissible gastroenteritis virus, swine vesicular disease virus, *Actinobacillus pleuropeumoniae*, *Salmonella* spp., *Streptococcus suis* type 2, ectoparasites, *Toxoplasma gondii*, coccidians, enterohelminths
Monkeys	*Salmonella* spp., pathogenic dermal fungi, *Shigella* spp., *Mycobacterium tuberculosis*, *Yesinia enterocolitica*, *Campylobacter jejuni*, Cercopithecidae herpesvirus type 1, simian retrovirus D, simian immunodeficiency virus, simian T lymphotropic virus type 1, simian pox virus, ectoparasites, *Toxoplasma gondii*, all helminths, *Entamoeba* spp., *Plasmodium* spp., flagellates

Technical Appendix Table 2. Studies reporting antibodies against hepatitis E virus and hepatitis E RNA in rabbits, by location and year*

Type, country	Year (reference)	Region	Sample	No. samples	Positive for antibodies against HEV, %	Positive for HEV RNA, %
Farmed or wild						
China	2009 (*1*)	Gansu	Serum	335	57.0	7.5
	2011 (*2*)	Beijing	Serum and feces	234	54.62	6.96
	2011 (*3*)	Multiple regions	Serum	1,094	15.4	1.6
	2012 (*4*)	Inner Mongolia	Serum	297	57.3†	71.6
	2013 (*5*)	Jiangsu	Bile and serum	928	NA	6.4
	2013 (*6*)	Hebei	Serum	289	23.2	10
	2014 (*7*)	Jiangsu	Feces	299	NA	5.0
	2015 (*8*)	Multiple regions	Feces	193	NA	1.2
United States	2011 (*9*)	California	Serum and feces	85	36‡	22
France	2012 (*10*)	Western region	Bile (farmed)	200	NA	7
	2010 (*10*)	Western region	Liver (wild)	205	NA	23
Italy‡	2015 (*11*)	Torino	Serum and liver	1	NA	NA
Germany§	2016 (*12*)	Greifswald	Serum	13	31	7.7
SPF						
United States	2014 (*13*)	Louisiana	Serum	10	50‡	NA
China¶	2015	Beijing	Serum and feces	332	7.5	4.8

*HEV, hepatitis E virus; NA, not applicable; SPF, specific pathogen free.
†Tested for IgG.
‡Only 1 rabbit was tested.
§Samples were collected in 1989.
¶Present study.

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