



## M-CLEA BIORESOURCES CO., LTD.

88/60 Soontornvipak Alley, Bangpla, Bangplee District, Samutprakarn, 10540 Thailand

### Health Condition Approval

Date 18 November 2016


**SUBJECT:** Certify condition of laboratory animals

This is to certify that the raising condition of following animals has been examined.

Species : Mouse (*Mus musculus*)  
Strain : BALB/cAJcl

1. I hereby certify that these animals have been raised under specific pathogen free (SPF) conditions as attached following the standard system of CLEA Japan, Inc.
2. I hereby certify that these animals are regularly monitored and clinically healthy.
3. I hereby certify that the colony of the animals is regularly tested every two months for evidence of the presence of common rodent pathogens by National Laboratory Animal Center, Mahidol University (Thailand) and annually by ICLAS Monitoring Center, Central Institute for Experimental Animal (Japan).
4. I hereby certify that these animals have been raised in the licensed facility under the regulation of *Animals for Purpose Act (A.D. 2015), Thailand*.
5. I hereby certify that these animals have not been exposed to or inoculated with any infectious disease agents that affect human, livestock or poultry diseases (including bovine serum)
6. I hereby certify that these animals have not been raised from a facility where work with exotic disease agents that affecting human, livestock or poultry is conducted
7. Point of contact is the undersigned at Tel.66-23460854



  
(Tepmanas Bupha-Intr)  
Licensed Veterinarian

(01-10384-2557)



M-CLEA Bioresource Co. Ltd.



No. 1—10(4)—M

Microbiological Testing Report (Mouse)  
【 M-CLEA Bioresource • October (Special Report) 】

Laboratory Institution: National Laboratory Animal Center, Mahidol University  
Testing Date : 2016/10/04

Items	Breeding Institute/Units Received Strain	MCBC/A2 BALB/cAJcl				
		Dermatophytes	0/2			
cultivation	<i>Citrobacter rodentium</i>	0/2				
	<i>Pasteurella pneumotropica</i>	0/2				
	<i>Corynebacterium kutscheri</i>	0/2				
	<i>Pseudomonas aeruginosa</i>	0/2				
	<i>Salmonella</i> spp.	0/2				
	<i>Staphylococcus aureus</i> ■					
	<i>Mycoplasma pulmonis</i>	0/2				
	<i>Streptococcus pneumoniae</i>	0/2				
	<i>Clostridium piliforme</i>	0/2				
	<i>Mycoplasma pulmonis</i>	0/2				
serology	Mouse hepatitis virus	0/2				
	Sendai virus	0/2				
PCR	<i>Ectromelia virus</i>	0/2				
	<i>Giardia muris</i>	0/2				
microscopy	<i>Spirochete muris</i>	0/2				
	<i>Syphacia</i> spp.	0/2				
	<i>Aspicularis tetraptera</i>	0/2				
	<i>Ectoparasite</i>	0/2				

【Remarks】

- ※For periodic testing, it will use random sampling animal from breeding room unit
- This test is used for immune-deficient strain only

Reporting Date (year/month/day) : 2016/10/18

Y. M.

(YADA AKKHAWATTANANGKUL)  
Veterinarian



M-CLEA Bioresource Co. Ltd.



Microbiological Testing Report (Mouse)  
 【 M-CLEA Bioresource • November (Special Report) 】

Laboratory Institution: ICLAS Monitoring Center, Central Institute for Experimental Animals  
 Testing Date : 2016/11/02

Items	Breeding Institute/Units Received Strain	MCBC/A2 BALB/cAJcl					
Cultivation	<i>Pseudomonas aeruginosa</i>	0/2					
	<i>Staphylococcus aureus</i> ■						
	<i>Corynebacterium kutscheri</i>	0/2					
	<i>Salmonella typhimurium</i>	0/2					
	<i>Clostridium piliforme</i>	0/2					
	<i>Mycoplasma pulmonis</i>	0/2					
	Mouse hepatitis virus	0/2					
	Sendai virus	0/2					
	Ectromelia virus	0/2					
	Mouse adenovirus (FL)	0/2					
	Lymphocytic c. virus	0/2					
	Hantavirus	0/2					
	EDIM virus(Rotavirus)	0/2					
Serology	Pneumonia virus of mice	0/2					
	Minute virus of mice	0/2					
	Mouse cytomegalovirus	0/2					
	Mouse encephalomyelitis virus	0/2					
	Reovirus type3	0/2					
	CAR bacillus	0/2					
	<i>Helicobacter hepaticus</i>	0/2					
	<i>Helicobacter bilis</i>	0/2					
PCR							

【Remarks】

- ※For periodic testing, it will use random sampling animal from breeding room unit
- This test is used for immune-deficient strain only

Reporting Date (year/month/day) : 2016/11/10

(Tepmanas Bupha-Intr)  
 Veterinarian