

微生物檢測報告

報告編號 (Report number) : 109-10013

申請資料 (Applicants Information)

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檢體資訊 (Specimen Information)

| | |
|--------------------------|----------|
| 動物種類 (Species) | Mouse |
| 送檢樣品 (Specimen) | 活體 |
| 檢體數量 (Quantity) | 4 |
| 收檢日期 (Receiving Date) | 2020/5/5 |
| 試驗完成日期 (Completion Date) | 2020/5/8 |

本報告含 ELISA、細菌、寄生蟲與 PCR 檢測結果。

1. 本報告僅對檢送樣品有效且不作任何公證憑據。

This report is intended for the samples tested, but not for notarization.

2. 報告需本實驗室人員簽名或蓋章始有效。

The report is not valid unless signed or stamped by qualified technicians at NLAC Diagnostic Laboratory of Laboratory Animals.

3. 本報告不可摘錄，部分複製無效。

Reproduced report of analysis in partial is rendered invalid.

4. 若報告呈現非預期結果，建議您採取任何措施前先致電洽詢：02-87537083。可經其他檢測方式以獲得更準確判斷。

If this report contains any unexpected results, please call 02-87537083 before taking any action. Additional or alternative testing may be essential to reaching an accurate diagnosis.

實驗動物診斷實驗室地址：台北市南港區研究院路一段130巷99號G棟

微生物檢測報告

ELISA 檢測結果

| | |
|------|-----|
| 檢體編號 | 1~4 |
|------|-----|

| 檢測項目 | 結果 ² | 備註 ³ |
|---|-----------------|-----------------|
| <i>Clostridium piliforme</i> | 0/4 | |
| Ectromelia virus (Mouse Pox) | 0/4 | |
| <i>Encephalitozoon cuniculi</i> (ECUN) | 0/4 | |
| Epizootic diarrhea of infant mice virus (EDIM) | 0/4 | |
| Hantaan virus | 0/4 | |
| K virus | 0/4 | |
| Lymphocytic choriomeningitis virus (LCMV) | 0/4 | |
| Minute virus of mice (MVM) | 0/4 | |
| Mouse adenovirus (MAd) | 0/4 | |
| Mouse cytomegalovirus (MCMV) | 0/4 | |
| Mouse hepatitis virus (MHV) | 0/4 | |
| Mouse parvovirus (MPV) | 0/4 | |
| Murine norovirus (MNV) | 0/4 | |
| <i>Mycoplasma pulmonis</i> | 0/4 | |
| Pneumonia virus of mice (PVM) | 0/4 | |
| Polyoma virus | 0/4 | |
| Reovirus 3 (Reo 3) | 0/4 | |
| Sendai virus | 0/4 | |
| Theiler's murine encephalomyelitis virus (TMEV, GD VII) | 0/4 | |

檢測人員：顏竹君

May 8, 2020

報告簽署人：李亞恬

May 8, 2020

檢測說明：

1. 檢測方法：ELISA-II，需進行複驗時使用ELISA-I，檢體皆為血清。
2. 結果：陽性檢體數/檢測檢體數。
3. (+)：陽性；(+/-)：結果介於陽性與陰性之臨界值；TC：結果呈非特異性反應，皆標記於備註欄。

微生物檢測報告

細菌學之分離與鑑定結果

| | |
|------|-----|
| 檢體編號 | 1~4 |
|------|-----|

| 分類 | 檢測項目 | 結果 ² | 備註 ³ |
|-------|---|-----------------|-----------------|
| 呼吸道病原 | Beta-hemolytic <i>Streptococcus</i> | 0/4 | |
| | <i>Bordetella bronchiseptica</i> | 0/4 | |
| | <i>Corynebacterium kutscheri</i> | 0/4 | |
| | <i>Klebsiella oxytoca</i> | 0/4 | |
| | <i>Klebsiella pneumoniae</i> | 0/4 | |
| | <i>Pasteurella pneumotropica</i> | 0/4 | |
| | <i>Pseudomonas aeruginosa</i> | 0/4 | |
| | <i>Staphylococcus aureus</i> | 0/4 | |
| | <i>Streptococcus equi</i> subsp. <i>zooepidemicus</i> | 0/4 | |
| | <i>Streptococcus pneumoniae</i> | 0/4 | |
| 消化道病原 | <i>Campylobacter jejuni</i> | 0/4 | |
| | <i>Citrobacter rodentium</i> | 0/4 | |
| | <i>Klebsiella oxytoca</i> | 0/4 | |
| | <i>Klebsiella pneumoniae</i> | 0/4 | |
| | <i>Pseudomonas aeruginosa</i> | 0/4 | |
| | <i>Salmonella</i> spp. | 0/4 | |

檢測人員：張錦奇

May 7, 2020

報告簽署人：李亞恬

May 8, 2020

檢測說明：

1. 檢測方法： *Bordetella bronchiseptica* 檢測法, *Klebsiella pneumoniae* 檢測法, *Pasteurella pneumotropica* 檢測法, *Pseudomonas aeruginosa* 檢測法, *Salmonella* spp. 檢測法, *Staphylococcus aureus* 檢測法, *Streptococcus pneumoniae* 檢測法。其餘未列出項目為非TAF認證項目。
2. 結果：陽性檢體數/總檢體數。陰性結果表示未檢測出此病原。
3. 陽性檢體編號標記於備註欄。
4. 如未特別說明，呼吸道病原檢體為呼吸道拭子 (trachea swab)，消化道病原檢體為盲腸。

微生物檢測報告

寄生蟲檢測結果

| | |
|------|-----|
| 檢體編號 | 1~4 |
|------|-----|

| 分類 | 檢體 | 檢測項目 | 結果 ² | 備註 ³ |
|--------------|---------------------------|---|-----------------|-----------------|
| 外寄生蟲 | Pelage | Flea | 0/4 | |
| | | Louse | 0/4 | |
| | | Mite | 0/4 | |
| 蟯蟲 | Cellophane tape/Intestine | Pinworm - <i>Syphacia</i> spp. | 0/4 | |
| 腸道蠕蟲 | Intestine/Feces | <i>Hymenolepis diminuta</i> | 0/4 | |
| | | Other helminths | 0/4 | |
| | | Pinworm - <i>Aspicularis tetraptera</i> | 0/4 | |
| | | <i>Rodentolepis nana</i> | 0/4 | |
| 腸道原蟲 | Intestine/Feces | <i>Chilomastix</i> spp. | 0/4 | |
| | | Ciliates | 0/4 | |
| | | <i>Eimeria</i> spp. | 0/4 | |
| | | <i>Entamoeba</i> spp. | 0/4 | |
| | | <i>Giardia</i> spp. | 0/4 | |
| | | <i>Hexamastix</i> spp. | 0/4 | |
| | | Other flagellates | 0/4 | |
| | | <i>Spiroucleus</i> spp. | 0/4 | |
| Trichomonads | 0/4 | | | |

檢測人員：謝偉鈞

May 5, 2020

報告簽署人：李亞恬

May 8, 2020

檢測說明：

1. 檢測方法：外寄生蟲檢測法、腸道直接抹片法、肛門貼片法、糞便浮游法與肉眼判定法。
2. 結果：陽性檢體數/總檢體數。陰性結果表示未檢測出此病原。
3. 陽性檢體編號標記於備註欄。

微生物檢測報告

PCR 檢測結果

| | |
|------|-----|
| 檢體編號 | 1~4 |
|------|-----|

| 檢測項目 | 檢體 | 結果 ² | 備註 ³ |
|-------------------------------------|---------|-----------------|-----------------|
| <i>Helicobacter</i> spp. | Cecum | 0/4 | |
| <i>Pneumocystis</i> spp. | Lung | 0/4 | |
| <i>Streptobacillus moniliformis</i> | Trachea | 0/4 | |

檢測人員：謝偉鈞

May 8, 2020

報告簽署人：李亞恬

May 8, 2020

檢測說明：

1. 檢測方法：PCR，非TAF認證項目。
2. 結果：病原核酸陽性之檢體數/總檢體數。陰性結果表示未檢測出此病原之核酸物質。
3. 非陰性檢體編號標記於備註欄。

Serological Test

| Housing Area: TCF. | | | | | |
|--|--------|-------|------------|------------|------------|
| Summary Item | Sample | Assay | Sep. /2019 | Dec. /2019 | Mar. /2020 |
| Ectromelia virus | serum | ELISA | 0/9 | 0/7 | 0/20 |
| Theiler's encephalomyelitis virus (GD-7) | serum | ELISA | 0/9 | 0/7 | 0/20 |
| Hantaan | serum | ELISA | 0/9 | 0/7 | 0/20 |
| K virus | serum | ELISA | 0/9 | 0/7 | 0/20 |
| Lymphocytic choriomeningitis (LCMV) | serum | ELISA | 0/9 | 0/7 | 0/20 |
| Minute virus of mice (MVM) | serum | ELISA | 0/9 | 0/7 | 0/20 |
| Mouse hepatitis virus (MHV) | serum | ELISA | 0/9 | 0/7 | 0/20 |
| Mouse parvo virus (MPV) | serum | ELISA | 0/9 | 0/7 | 0/20 |
| Mouse cytomegalovirus (MCMV) | serum | ELISA | 0/9 | 0/7 | 0/20 |
| Mycoplasma pulmonis | serum | ELISA | 0/9 | 0/7 | 0/20 |
| Pneumonia virus of mice (PVM) | serum | ELISA | 0/9 | 0/7 | 0/20 |
| Reovirus 3 (Reo-3) | serum | ELISA | 0/9 | 0/7 | 0/20 |
| Sendai | serum | ELISA | 0/9 | 0/7 | 0/20 |

Molecular Test

| Housing Area: TCF. | | | | | |
|-----------------------------|--------|------------|------------|------------|------------|
| Summary Item | Sample | Assay | Sep. /2019 | Dec. /2019 | Mar. /2020 |
| Helicobacter spp. | fecal | PCR | 0/27 | 0/26 | 0/39 |
| Trichomonas | fecal | Microscopy | 0/27 | 0/26 | 0/39 |
| Mouse Norovirus (MNV)-feces | fecal | RT-PCR | 0/27 | 0/26 | 0/39 |
| Mouse adenovirus | fecal | PCR | 0/27 | 0/26 | 0/39 |

Note 1: This is an official report of the IMB animal facility

Note 2: This list contains all the routinely monitored agents. Other agents not on this list may be monitored on an occasional basis and on some strains.

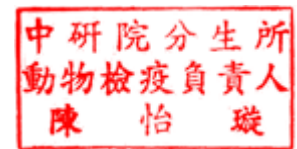
Note 3: The Pinworm test included *Syphacia obvelata*, *Syphacia muris* and *Aspiculuris tetraptera*.

Rodent Health Specialist

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Transgenic Core Facility, Institute of Molecular Biology
Health Monitoring Report

Updated: 2020/5/11

| Microscopic Test | | Pinworm | |
|------------------|----------|--------------|-----------|
| Date | | Sampling no. | Tape test |
| 2017 | January | 94 | negative |
| 2017 | February | 90 | negative |
| 2017 | April | 84 | negative |
| 2017 | July | 84 | negative |
| 2017 | October | 96 | negative |
| 2018 | January | 91 | negative |
| 2018 | April | 76 | negative |
| 2018 | July | 75 | negative |
| 2018 | October | 95 | negative |
| 2019 | January | 90 | negative |
| 2019 | April | 87 | negative |
| 2019 | July | 95 | negative |
| 2019 | October | 94 | negative |
| 2020 | January | 90 | negative |
| 2020 | May | 83 | negative |

基因轉殖中心 蔡青宴