



Testing Laboratory  
2702

# 試驗報告

試驗日期：2019 年 02 月 18 日

收件日期：2019 年 02 月 15 日

收件編號：A20190215001

報告編號：A20190215002

測試項目：動物之病原抗體以酵素免疫分析試驗

樣品種類：大鼠血清

委託試驗單位：高雄醫學大學實驗動物中心

地址：807 高雄市三民區十全一路 100 號

本報告僅對送測樣品負責。本報告未經本實驗室同意，不得摘錄複製。

泰格曼生物科學技術有限公司測試實驗室

Bio-TigerMein Scientific Inc. Branch: Test Laboratory

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報告編號：A20190215001  
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檢測項目：大鼠

1. 大鼠肺炎病毒抗體/Rat Pneumonia Virus Ab
2. 大鼠呼腸弧病毒抗體/Rat Reo Virus Ab
3. 大鼠微漿菌肺炎原體抗體/Rat Mycoplasma pulmonis Ab
4. 大鼠冠狀病毒抗體/Rat (RCV/SDA) Ab
5. 大鼠克氏 H1 病毒抗體/Rat Kilham Virus /H01(krv-h1)Ab
6. 大鼠泰勒氏腦脊髓膜炎病毒抗體/Rat (TMEV) Ab
7. 大鼠腦胞內原蟲(孢子蟲綱)抗體/Rat Encephalitozoon cuniculi (sporozoan)Ab

以下空白



測試條件及結果如下：

| 檢測項目                                                                | 檢體名稱     |          |          |          |          |          |          |          |          |          |          |          |  |  |
|---------------------------------------------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--|--|
|                                                                     | 9131     | 914      | 9132     | 832      | 831      | 823      | 8241     | 8221     | 8312     | 8242     | 8221-2   | 8222     |  |  |
| 1.大鼠肺炎病毒抗體/Rat<br>Pneumonia Virus Ab                                | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE |  |  |
| 2.大鼠呼腸孤病毒抗體/Rat<br>Reo Virus Ab                                     | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE |  |  |
| 3.大鼠微漿菌肺炎支原體抗體<br>/Rat Mycoplasma pulmonis<br>Ab                    | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE |  |  |
| 4.大鼠冠狀病毒抗體/Rat<br>(RCV/SDA) Ab                                      | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE |  |  |
| 5.大鼠克氏 II 病毒抗體/Rat<br>Kilham Virus /1101(krv-h1)Ab                  | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE |  |  |
| 6.大鼠泰勒氏腦脊髓炎病毒<br>抗體/Rat (TMEV) Ab                                   | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE |  |  |
| 7.大鼠腦胞內原蟲(孢子蟲<br>綱)抗體/Rat Eimeriathiozoon<br>cuniculi (sporozoan)Ab | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE |  |  |





# 試驗說明

1. 本次 ELISA 試驗收件數共 1 件，檢驗結果除本報告 4 頁外，附件為實驗數據

## 2. 試驗方法

依「泰格曼生物科學技術有限公司測試實驗室實驗動物之病原抗體以酵素免疫分析試驗(ELISA)及儀器操作標準書 BTM-SOP-TMA-002」執行試驗。

## 3. 儀器設備

名稱：酵素免疫分析儀

廠牌型號：RITO

資產編號：BTM-BOEKEL-RITO-01

製造號碼：RT0161211GBC

4. 本實驗室符合 ISO17025 之規定，每次試驗均放入 positive control、negative control (原廠提供之標準液)，此標準液之試驗結果在品管範圍內即代表試驗流程正確。

5. 建議事項：無

6. 客戶特殊要求：無

(以下空白)

報告簽署人：



表單編號：BTM-SOP-TMA-002-F01



ELISA: 18/2/19, 23:52:25

PV Rev RCV

|   | W1    | W2    | W3    | W4    | W5    | W6    | W7    | W8    | W9    | W10   | W11   | W12   |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| P | 0.291 | 0.165 | 0.191 | 0.191 | 0.991 | 0.186 | 0.223 | 0.224 | 1.007 | 0.369 | 0.210 | 0.229 |
| S |       |       |       |       |       |       |       |       |       |       |       |       |
| N | 0.176 | 0.141 | 0.190 | 0.164 | 0.161 | 0.234 | 0.215 | 0.170 | 0.199 | 0.163 | 0.210 | 0.211 |
| C |       |       |       |       |       |       |       |       |       |       |       |       |
| B | 0.210 | 0.159 | 0.204 | 0.170 | 0.148 | 0.140 | 0.192 | 0.195 | 0.172 | 0.141 | 0.144 | 0.197 |
| D |       |       |       |       |       |       |       |       |       |       |       |       |
| E | 0.163 | 0.173 | 0.116 | 0.116 | 0.190 | 0.146 | 0.128 | 0.127 | 0.160 | 0.199 | 0.107 | 0.139 |
| F |       |       |       |       |       |       |       |       |       |       |       |       |
| G | 0.192 | 0.164 | 0.129 | 0.144 | 0.171 | 0.264 | 0.220 | 0.182 | 0.153 | 0.177 | 0.191 | 0.145 |
| H |       |       |       |       |       |       |       |       |       |       |       |       |
| I | 0.172 | 0.154 | 0.149 | 0.134 | 0.183 | 0.250 | 0.191 | 0.162 | 0.142 | 0.122 | 0.191 | 0.219 |
| J |       |       |       |       |       |       |       |       |       |       |       |       |
| K | 0.132 | 0.135 | 0.121 | 0.132 | 0.172 | 0.162 | 0.206 | 0.155 | 0.136 | 0.192 | 0.137 | 0.186 |
| L |       |       |       |       |       |       |       |       |       |       |       |       |
| M | 0.171 | 0.149 | 0.096 | 0.091 | 0.157 | 0.189 | 0.101 | 0.099 | 0.182 | 0.132 | 0.122 | 0.149 |

ELISA: 18/2/19, 23:51:17

k-h1 Mycoplasma

|   | W1    | W2    | W3    | W4    | W5    | W6    | W7    | W8    | W9    | W10   | W11   | W12   |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| P | 0.019 | 0.275 | 0.331 | 0.337 | 1.933 | 0.354 | 0.361 | 0.287 | 0.206 | 0.110 | 0.127 | 0.118 |
| S |       |       |       |       |       |       |       |       |       |       |       |       |
| N | 0.242 | 0.346 | 0.321 | 0.422 | 0.301 | 0.304 | 0.283 | 0.228 | 0.119 | 0.132 | 0.137 | 0.226 |
| C |       |       |       |       |       |       |       |       |       |       |       |       |
| B | 0.378 | 0.426 | 0.401 | 0.494 | 0.325 | 0.261 | 0.276 | 0.282 | 0.110 | 0.119 | 0.120 | 0.131 |
| D |       |       |       |       |       |       |       |       |       |       |       |       |
| E | 0.021 | 0.304 | 0.468 | 0.272 | 0.501 | 0.291 | 0.200 | 0.191 | 0.114 | 0.116 | 0.102 | 0.129 |
| F |       |       |       |       |       |       |       |       |       |       |       |       |
| G | 0.435 | 0.384 | 0.741 | 0.294 | 0.332 | 0.317 | 0.244 | 0.212 | 0.136 | 0.124 | 0.120 | 0.122 |
| H |       |       |       |       |       |       |       |       |       |       |       |       |
| I | 0.480 | 0.381 | 0.271 | 0.292 | 0.294 | 0.266 | 0.330 | 0.294 | 0.119 | 0.102 | 0.125 | 0.114 |
| J |       |       |       |       |       |       |       |       |       |       |       |       |
| K | 0.335 | 0.265 | 0.747 | 0.287 | 0.266 | 0.276 | 0.252 | 0.278 | 0.115 | 0.126 | 0.121 | 0.141 |
| L |       |       |       |       |       |       |       |       |       |       |       |       |
| M | 0.381 | 0.333 | 0.280 | 0.181 | 0.315 | 0.275 | 0.218 | 0.205 | 0.120 | 0.128 | 0.136 | 0.130 |

ELISA: 18/2/19, 23:50:31

THEV E. can

|   | W1    | W2    | W3    | W4    | W5    | W6    | W7    | W8    | W9    | W10   | W11   | W12   |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| P | 1.424 | 0.352 | 0.215 | 0.168 | 1.415 | 0.197 | 0.122 | 0.245 | 0.002 | 0.001 | 0.002 | 0.002 |
| S |       |       |       |       |       |       |       |       |       |       |       |       |
| N | 0.227 | 0.172 | 0.175 | 0.146 | 0.140 | 0.179 | 0.197 | 0.260 | 0.001 | 0.001 | 0.001 | 0.001 |
| C |       |       |       |       |       |       |       |       |       |       |       |       |
| B | 0.175 | 0.166 | 0.167 | 0.190 | 0.112 | 0.147 | 0.160 | 0.199 | 0.001 | 0.001 | 0.001 | 0.001 |
| D |       |       |       |       |       |       |       |       |       |       |       |       |
| E | 0.179 | 0.185 | 0.133 | 0.133 | 0.105 | 0.168 | 0.101 | 0.111 | 0.002 | 0.002 | 0.002 | 0.002 |
| F |       |       |       |       |       |       |       |       |       |       |       |       |
| G | 0.285 | 0.183 | 0.197 | 0.129 | 0.243 | 0.216 | 0.160 | 0.171 | 0.001 | 0.001 | 0.001 | 0.002 |
| H |       |       |       |       |       |       |       |       |       |       |       |       |
| I | 0.216 | 0.221 | 0.263 | 0.134 | 0.137 | 0.195 | 0.111 | 0.195 | 0.001 | 0.001 | 0.002 | 0.002 |
| J |       |       |       |       |       |       |       |       |       |       |       |       |
| K | 0.190 | 0.239 | 0.185 | 0.153 | 0.110 | 0.214 | 0.139 | 0.202 | 0.001 | 0.002 | 0.002 | 0.002 |
| L |       |       |       |       |       |       |       |       |       |       |       |       |
| M | 0.169 | 0.171 | 0.127 | 0.130 | 0.106 | 0.162 | 0.127 | 0.102 | 0.002 | 0.002 | 0.002 | 0.002 |

\*Positive control Serum(STD):將 Positive control Strip 中的 Positive control Serum well 之 405nm 吸光值扣掉 Negative control Strip 中的 Positive control Serum well 之 405nm 吸光值  $\geq 0.600$  則表示 Positive control Serum 有效。

\*Negative control Serum(STD):將 Positive control Strip 中的 Negative control Serum well 之 405nm 吸光值扣掉 Negative control Strip 中的 Negative control Serum well 之 405nm 吸光值  $\leq 0.250$  則表示 Negative control Serum 有效。

\*將 Sample 之 Positive control Strip 之 405nm 吸光值扣掉 Negative control Strip 之 405nm 吸光值。泰格農生物科學技術有限公司測試實驗室  
動物疫病病原體以酵素免疫分析試驗(ELISA)及儀器操作標準書



Date : 2019/02/18

Lot Nu : PV

## ELISA 實驗紀錄表

Lot Nu : Reo

Lot Nu : SDV

|   | Positive<br>control Strip    | Negative<br>control Strip    | Positive<br>control Strip | Negative<br>control Strip | Positive<br>control Strip    | Negative<br>control Strip    | Positive<br>control Strip | Negative<br>control Strip | Positive<br>control Strip    | Negative<br>control Strip    | Positive<br>control Strip | Negative<br>control Strip |   |
|---|------------------------------|------------------------------|---------------------------|---------------------------|------------------------------|------------------------------|---------------------------|---------------------------|------------------------------|------------------------------|---------------------------|---------------------------|---|
|   | 1                            | 2                            | 3                         | 4                         | 5                            | 6                            | 7                         | 8                         | 9                            | 10                           | 11                        | 12                        |   |
| A | POSITIVE<br>CONTROL<br>SERUM | POSITIVE<br>CONTROL<br>SERUM | 8241                      | 8241                      | POSITIVE<br>CONTROL<br>SERUM | POSITIVE<br>CONTROL<br>SERUM | 8241                      | 8241                      | POSITIVE<br>CONTROL<br>SERUM | POSITIVE<br>CONTROL<br>SERUM | 8241                      | 8241                      | A |
| B | NEGATIVE<br>CONTROL<br>SERUM | NEGATIVE<br>CONTROL<br>SERUM | 8221                      | 8221                      | NEGATIVE<br>CONTROL<br>SERUM | NEGATIVE<br>CONTROL<br>SERUM | 8221                      | 8221                      | NEGATIVE<br>CONTROL<br>SERUM | NEGATIVE<br>CONTROL<br>SERUM | 8221                      | 8221                      | B |
| C | Blank                        | Blank                        | 8312                      | 8312                      | Blank                        | Blank                        | 8312                      | 8312                      | Blank                        | Blank                        | 8312                      | 8312                      | C |
| D | 9131                         | 9131                         | 8242                      | 8242                      | 9131                         | 9131                         | 8242                      | 8242                      | 9131                         | 9131                         | 8242                      | 8242                      | D |
| E | 914                          | 914                          | 8221-2                    | 8221-2                    | 914                          | 914                          | 8221-2                    | 8221-2                    | 914                          | 914                          | 8221-2                    | 8221-2                    | E |
| F | 9132                         | 9132                         | 8222                      | 8222                      | 9132                         | 9132                         | 8222                      | 8222                      | 9132                         | 9132                         | 8222                      | 8222                      | F |
| G | 832                          | 832                          |                           |                           | 832                          | 832                          |                           |                           | 832                          | 832                          |                           |                           | G |
| H | 831                          | 831                          |                           |                           | 831                          | 831                          |                           |                           | 831                          | 831                          |                           |                           | H |

表單編號 : BTM-TMA-002-F06

操作者 : 

確認者 : 



Date : 2019/02/18

Lot Nu : K-H1

# ELISA 實驗紀錄表

Lot Nu : Mycoplasma

|   | Positive<br>control Strip    | Negative<br>control Strip    | Positive<br>control Strip | Negative<br>control Strip | Positive<br>control Strip    | Negative<br>control Strip    | Positive<br>control Strip | Negative<br>control Strip | Positive<br>control Strip | Negative<br>control Strip | Positive<br>control Strip | Negative<br>control Strip |   |
|---|------------------------------|------------------------------|---------------------------|---------------------------|------------------------------|------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---|
|   | 1                            | 2                            | 3                         | 4                         | 5                            | 6                            | 7                         | 8                         | 9                         | 10                        | 11                        | 12                        |   |
| A | POSITIVE<br>CONTROL<br>SERUM | POSITIVE<br>CONTROL<br>SERUM | 8241                      | 8241                      | POSITIVE<br>CONTROL<br>SERUM | POSITIVE<br>CONTROL<br>SERUM | 8241                      | 8241                      |                           |                           |                           |                           | A |
| B | NEGATIVE<br>CONTROL<br>SERUM | NEGATIVE<br>CONTROL<br>SERUM | 8221                      | 8221                      | NEGATIVE<br>CONTROL<br>SERUM | NEGATIVE<br>CONTROL<br>SERUM | 8221                      | 8221                      |                           |                           |                           |                           | B |
| C | Blank                        | Blank                        | 8312                      | 8312                      | Blank                        | Blank                        | 8312                      | 8312                      |                           |                           |                           |                           | C |
| D | 9131                         | 9131                         | 8242                      | 8242                      | 9131                         | 9131                         | 8242                      | 8242                      |                           |                           |                           |                           | D |
| E | 914                          | 914                          | 8221-2                    | 8221-2                    | 914                          | 914                          | 8221-2                    | 8221-2                    |                           |                           |                           |                           | E |
| F | 9132                         | 9132                         | 8222                      | 8222                      | 9132                         | 9132                         | 8222                      | 8222                      |                           |                           |                           |                           | F |
| G | 832                          | 832                          |                           |                           | 832                          | 832                          |                           |                           |                           |                           |                           |                           | G |
| H | 831                          | 831                          |                           |                           | 831                          | 831                          |                           |                           |                           |                           |                           |                           | H |

表單編號：BTM-TMA-002-F06

操作者：

皮同 19228

確認者：

李慶春



Date : 2019/02/18

Lot Nu : TM EV

Lot Nu : E.Cun

ELISA 實驗紀錄表

|   | Positive<br>control Strip    | Negative<br>control Strip    | Positive<br>control Strip | Negative<br>control Strip | Positive<br>control Strip    | Negative<br>control Strip    | Positive<br>control Strip | Negative<br>control Strip | Positive<br>control Strip | Negative<br>control Strip | Positive<br>control Strip | Negative<br>control Strip |
|---|------------------------------|------------------------------|---------------------------|---------------------------|------------------------------|------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
|   | 1                            | 2                            | 3                         | 4                         | 5                            | 6                            | 7                         | 8                         | 9                         | 10                        | 11                        | 12                        |
| A | POSITIVE<br>CONTROL<br>SERUM | POSITIVE<br>CONTROL<br>SERUM | 8241                      | 8241                      | POSITIVE<br>CONTROL<br>SERUM | POSITIVE<br>CONTROL<br>SERUM | 8241                      | 8241                      |                           |                           |                           | A                         |
| B | NEGATIVE<br>CONTROL<br>SERUM | NEGATIVE<br>CONTROL<br>SERUM | 8221                      | 8221                      | NEGATIVE<br>CONTROL<br>SERUM | NEGATIVE<br>CONTROL<br>SERUM | 8221                      | 8221                      |                           |                           |                           | B                         |
| C | Blank                        | Blank                        | 8312                      | 8312                      | Blank                        | Blank                        | 8312                      | 8312                      |                           |                           |                           | C                         |
| D | 9131                         | 9131                         | 8242                      | 8242                      | 9131                         | 9131                         | 8242                      | 8242                      |                           |                           |                           | D                         |
| E | 914                          | 914                          | 8221-2                    | 8221-2                    | 914                          | 914                          | 8221-2                    | 8221-2                    |                           |                           |                           | E                         |
| F | 9132                         | 9132                         | 8222                      | 8222                      | 9132                         | 9132                         | 8222                      | 8222                      |                           |                           |                           | F                         |
| G | 832                          | 832                          |                           |                           | 832                          | 832                          |                           |                           |                           |                           |                           | G                         |
| H | 831                          | 831                          |                           |                           | 831                          | 831                          |                           |                           |                           |                           |                           | H                         |

表單編號：BTM-TMA-002-F06

操作者：

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