

# Test Results

Order #: 2022000645

LTM Customer ID: 42510

Charles River Japan

Okayama University

(CR RADS Japan)

Advanced Science Research Center, OU

955 Kamibayashi, Ishioka-shi

Ibaraki 315-0138 Japan

Shikata Campus

2-5-1 Shikatacho, Kita-ku

Okayama-shi Okayama 700-8558 Japan

## Billing Information

Payment Method

Oriental Yeast Co., Ltd.

Purchase Order

PO#: RADS SS 22 0066

4-4-1 Minamisuita

Suita-shi Osaka 564-0043 Japan

## Details

Sample(s) from: Multiple locations

Collection Date

Arrival Date

Approval Date

16-Feb-2022

17-Feb-2022

01-Mar-2022

## Notes

Shikata facility, Mouse, Serology and PCR testing for routine HM

## Diagnostic Summary

Test	Colony	Tested	+	+/-	?	PDG
Aspiculuris tetraptera PCR	Shikata facility Room 5 (4106)	2	1	0	0	0
	Sentinel Mice					
Helicobacter hepaticus PCR	Shikata facility Room 6 (4105)	2	1	0	0	0
	Helicobacter hepaticus PCR					
	Sentinel Mice					

+ = Positive, +/- = Equivocal, ? = Indeterminate, PDG = Pending

To assure the health status of your research animal colonies, it is essential that you understand the sources, pathobiology, diagnosis and control of pathogens and other adventitious infectious agents that may cause research interference. We have summarized this important information in infectious agent **Technical Sheets**, which you can view by visiting [http://www.criver.com/info/disease\\_sheets](http://www.criver.com/info/disease_sheets).

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## Molecular Diagnostics:

Results approved by Kato, Katsuhiko on 01 Mar 2022

### Infectious Disease PCR

	<u>24</u>	<u>25</u>	<u>26</u>	<u>27</u>	<u>28</u>	<u>29</u>	<u>30</u>	<u>31</u>	<u>32</u>	<u>33</u>
	1	2	3	4	5	6	7	8	9	10
<i>Helicobacter hepaticus</i> PCR	-	-	-	-	-	-	-	-	-	-
<i>Aspicularis tetraptera</i> PCR	-	-	-	-	-	-	-	-	-	-
<i>Syphacia obvelata</i> PCR	-	-	-	-	-	-	-	-	-	-

  

	<u>34</u>	<u>35</u>	<u>36</u>	<u>37</u>	<u>38</u>	<u>39</u>	<u>40</u>	<u>41</u>	<u>42</u>	<u>43</u>
	11	12	13	14	15	16	17	18	19	20
<i>Helicobacter hepaticus</i> PCR	-	+	-	-	-	-	-	-	-	-
<i>Aspicularis tetraptera</i> PCR	-	-	-	+	-	-	-	-	-	-
<i>Syphacia obvelata</i> PCR	-	-	-	-	-	-	-	-	-	-

  

	<u>44</u>	<u>45</u>	<u>46</u>
	21	22	23
<i>Helicobacter hepaticus</i> PCR	-	-	-
<i>Aspicularis tetraptera</i> PCR	-	-	-
<i>Syphacia obvelata</i> PCR	-	-	-

Infectious Disease PCR Profile: Helicobacter hepaticus PCR

## Remarks

- = Negative; I = Inhibition, +/- = Equivocal; + = Positive

Sample Suitability/Detection of PCR Inhibition: Sample DNA or RNA is spiked with a low-copy number of an exogenous DNA or RNA template respectively. A spike template-specific PCR assay is used to test for the spike template for the purpose of determining the presence of PCR inhibitors. The RNA spike control is also used to evaluate the reverse-transcription of RNA. Amplification of spike template indicates that there is no detectable inhibition and the assay is valid.

Rodentibacter pneumotropicus: (former) P. pneumotropica-Jawetz

Rodentibacter heyltii: (former) P. pneumotropica-Heyl

Filobacterium rodentium: (former) CAR Bacillus

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## Serology

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	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>
	1	2	3	4	5	6	7	8	9	10
<i>ELISA SEND</i>	-	-	-	-	-	-	-	-	-	-
<i>ELISA MHV</i>	-	-	-	-	-	-	-	-	-	-
<i>ELISA MPUL</i>	-	-	-	-	-	-	-	-	-	-
<i>ELISA CPIL</i>	-	-	-	-	-	-	-	-	-	-
<i>ELISA LCMV</i>	-	-	-	-	-	-	-	-	-	-
<i>ELISA ECTRO</i>	-	-	-	-	-	-	-	-	-	-
<i>MAG C. kutscheri</i>	-	-	-	-	-	-	-	-	-	-
<i>MAG S.Typhimurium</i>	-	-	-	-	-	-	-	-	-	-

	<u>11</u>	<u>12</u>	<u>13</u>	<u>14</u>	<u>15</u>	<u>16</u>	<u>17</u>	<u>18</u>	<u>19</u>	<u>20</u>
	11	12	13	14	15	16	17	18	19	20
<i>ELISA SEND</i>	-	-	-	-	-	-	-	-	-	-
<i>ELISA MHV</i>	-	-	-	-	-	-	-	-	-	-
<i>ELISA MPUL</i>	-	-	-	-	-	-	-	-	-	-
<i>ELISA CPIL</i>	-	-	IN	-	-	-	-	-	-	-
<i>ELISA LCMV</i>	-	-	-	-	-	-	-	-	-	-
<i>ELISA ECTRO</i>	-	-	-	-	-	-	-	-	-	-
<i>MAG C. kutscheri</i>	-	-	-	-	-	-	-	-	-	-
<i>MAG S.Typhimurium</i>	-	-	-	-	-	-	-	-	-	-
<i>IFA CPIL</i>										

	<u>21</u>	<u>22</u>	<u>23</u>
	21	22	23
<i>ELISA SEND</i>	-	-	-
<i>ELISA MHV</i>	-	-	-
<i>ELISA MPUL</i>	-	-	-
<i>ELISA CPIL</i>	-	-	-
<i>ELISA LCMV</i>	-	-	-
<i>ELISA ECTRO</i>	-	-	-
<i>MAG C. kutscheri</i>	-	-	-
<i>MAG S.Typhimurium</i>	-	-	-

Remarks

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### ***Notes***

Shikata facility, Mouse, Serology and PCR testing for routine HM

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MFIA/ELISA/IFA Results: - = Negative; +/- = Equivocal; + = Moderate to strong positive; TC = Non-specific reaction with tissue control. All Assays: IN = positive result interpreted as non-specific because not confirmed by other serologic assays or by testing of additional samples from the same source; PDG = pending; QNS = Quantity not sufficient.

FROD: *Filobacterium rodentium* ((former) CAR bacillus)

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## Notes

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## Sample Information

Number	Code	Species	Colony	Strain	Age	Sex	Addition Info	Location
Room 2, Sample Type: Serum								
3	3	Mouse	Shikata facility Room 2 (5106) Sentinel	ICR	13 weeks	Female	Undiluted	back
4	4	Mouse	Shikata facility Room 2 (5106) Sentinel	ICR	13 weeks	Female	Undiluted	front
Room 3, Sample Type: Serum								
1	1	Mouse	Shikata facility Room 3 (5105) Sentinel	ICR	13 weeks	Female	Undiluted	back
2	2	Mouse	Shikata facility Room 3 (5105) Sentinel	ICR	13 weeks	Female	Undiluted	front
Room 1, Sample Type: Serum								
5	5	Mouse	Shikata facility Room 1 (5107) Sentinel	ICR	13 weeks	Female	Undiluted	back
6	6	Mouse	Shikata facility Room 1 (5107) Sentinel	ICR	13 weeks	Female	Undiluted	front
Room 4, Sample Type: Serum								
7	7	Mouse	Shikata facility Room 4 (5115) Sentinel	ICR	13 weeks	Female	Undiluted	back
8	8	Mouse	Shikata facility Room 4 (5115) Sentinel	ICR	13 weeks	Female	Undiluted	front
Room 7, Sample Type: Serum								
9	9	Mouse	Shikata facility Room 7 (4104) Sentinel	ICR	13 weeks	Female	Undiluted	back
10	10	Mouse	Shikata facility Room 7 (4104) Sentinel	ICR	13 weeks	Female	Undiluted	front
Room 6, Sample Type: Serum								
11	11	Mouse	Shikata facility Room 6 (4105) Sentinel	ICR	13 weeks	Female	Undiluted	back
12	12	Mouse	Shikata facility Room 6 (4105) Sentinel	ICR	13 weeks	Female	Undiluted	front

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## Sample Information

Number	Code	Species	Colony	Strain	Age	Sex	Addition Info	Location
Room 5, Sample Type: Serum								
13	13	Mouse	Shikata facility Room 5 (4106) Sentinel	ICR	13 weeks	Female	Undiluted	back
14	14	Mouse	Shikata facility Room 5 (4106) Sentinel	ICR	13 weeks	Female	Undiluted	front
Room 11, Sample Type: Serum								
15	15	Mouse	Shikata facility Room 11 (4116) Sentinel	ICR	13 weeks	Female	Undiluted	back
16	16	Mouse	Shikata facility Room 11 (4116) Sentinel	ICR	13 weeks	Female	Undiluted	front
Room 10, Sample Type: Serum								
17	17	Mouse	Shikata facility Room 10 (4117) Sentinel	ICR	13 weeks	Female	Undiluted	back
18	18	Mouse	Shikata facility Room 10 (4117) Sentinel	ICR	13 weeks	Female	Undiluted	front
Room 9, Sample Type: Serum								
19	19	Mouse	Shikata facility Room 9 (4118) Sentinel	ICR	13 weeks	Female	Undiluted	back
20	20	Mouse	Shikata facility Room 9 (4118) Sentinel	ICR	13 weeks	Female	Undiluted	front
Room 8, Sample Type: Serum								
21	21	Mouse	Shikata facility Room 8 (4119) Sentinel	ICR	13 weeks	Female	Undiluted	back
22	22	Mouse	Shikata facility Room 8 (4119) Sentinel	ICR	13 weeks	Female	Undiluted	front
3121, Sample Type: Serum								
23	23	Mouse	Shikata facility 3121 Sentinel	ICR	13 weeks	Female	Undiluted	-
Room 3, Sample Type: Fecal pellet								

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## Sample Information

Number	Code	Species	Colony	Strain	Age	Sex	Additio n Info	Locatio n
Room 3, Sample Type: Fecal pellet (continued)								
24	1	Mouse	Shikata facility Room 3 (5105) Sentinel	ICR, etc	-	Female	Pooled up to 10:1	back
25	2	Mouse	Shikata facility Room 3 (5105) Sentinel	ICR, etc	-	Female	Pooled up to 9:1	front
Room 2, Sample Type: Fecal pellet								
26	3	Mouse	Shikata facility Room 2 (5106) Sentinel	ICR, etc	-	Female	Pooled up to 10:1	back
27	4	Mouse	Shikata facility Room 2 (5106) Sentinel	ICR, etc	-	Female	Pooled up to 10:1	front
Room 1, Sample Type: Fecal pellet								
28	5	Mouse	Shikata facility Room 1 (5107) Sentinel	ICR, etc	-	Female	Pooled up to 10:1	back
29	6	Mouse	Shikata facility Room 1 (5107) Sentinel	ICR, etc	-	Female	Pooled up to 10:1	front
Room 4, Sample Type: Fecal pellet								
30	7	Mouse	Shikata facility Room 4 (5115) Sentinel	ICR, etc	-	Female	Pooled up to 10:1	back
31	8	Mouse	Shikata facility Room 4 (5115) Sentinel	ICR, etc	-	Female	Pooled up to 10:1	front
Room 7, Sample Type: Fecal pellet								

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## Notes

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## Sample Information

Number	Code	Species	Colony	Strain	Age	Sex	Additio n Info	Locatio n
Room 7, Sample Type: Fecal pellet (continued)								
32	9	Mouse	Shikata facility Room 7 (4104) Sentinel	ICR, etc	-	Female	Pooled up to 9:1	back
33	10	Mouse	Shikata facility Room 7 (4104) Sentinel	ICR, etc	-	Female	Pooled up to 10:1	front
Room 6, Sample Type: Fecal pellet								
34	11	Mouse	Shikata facility Room 6 (4105) Sentinel	ICR, etc	-	Female	Pooled up to 10:1	back
35	12	Mouse	Shikata facility Room 6 (4105) Sentinel	ICR, etc	-	Female	Pooled up to 10:1	front
Room 5, Sample Type: Fecal pellet								
36	13	Mouse	Shikata facility Room 5 (4106) Sentinel	ICR, etc	-	Female	Pooled up to 10:1	back
37	14	Mouse	Shikata facility Room 5 (4106) Sentinel	ICR, etc	-	Female	Pooled up to 10:1	front
Room 11, Sample Type: Fecal pellet								
38	15	Mouse	Shikata facility Room 11 (4116) Sentinel	ICR, etc	-	Female	Pooled up to 9:1	back
39	16	Mouse	Shikata facility Room 11 (4116) Sentinel	ICR, etc	-	Female	Pooled up to 9:1	front
Room 10, Sample Type: Fecal pellet								



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## Notes

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## Sample Information

Number	Code	Species	Colony	Strain	Age	Sex	Additio n Info	Locatio n
Room 10, Sample Type: Fecal pellet (continued)								
40	17	Mouse	Shikata facility Room 10 (4117) Sentinel	ICR, etc	-	Female	Pooled up to 9:1	back
41	18	Mouse	Shikata facility Room 10 (4117) Sentinel	ICR, etc	-	Female	Pooled up to 10:1	front
Room 9, Sample Type: Fecal pellet								
42	19	Mouse	Shikata facility Room 9 (4118) Sentinel	ICR, etc	-	Female	Pooled up to 10:1	back
43	20	Mouse	Shikata facility Room 9 (4118) Sentinel	ICR, etc	-	Female	Pooled up to 10:1	front
Room 8, Sample Type: Fecal pellet								
44	21	Mouse	Shikata facility Room 8 (4119) Sentinel	ICR, etc	-	Female	Pooled up to 10:1	back
45	22	Mouse	Shikata facility Room 8 (4119) Sentinel	ICR, etc	-	Female	Pooled up to 10:1	front
3121, Sample Type: Fecal pellet								
46	23	Mouse	Shikata facility 3121 Sentinel	ICR, etc	-	Female	Pooled up to 10:1	-

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01-Mar-2022

## Notes

Shikata facility, Rat, Serology and PCR testing for routine HM

## Diagnostic Summary

Test	Colony	Tested	+	+/-	?	PDG
All results NEGATIVE						

+ = Positive, +/- = Equivocal, ? = Indeterminate, PDG = Pending

To assure the health status of your research animal colonies, it is essential that you understand the sources, pathobiology, diagnosis and control of pathogens and other adventitious infectious agents that may cause research interference. We have summarized this important information in infectious agent **Technical Sheets**, which you can view by visiting

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## Molecular Diagnostics:

Results approved by Kato, Katsuhiko on 01 Mar 2022

### Infectious Disease PCR

	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>
	1	2	3	4
<i>Syphacia muris</i> PCR	-	-	-	-

## Remarks

- = Negative; I = Inhibition, +/- = Equivocal; + = Positive

Sample Suitability/Detection of PCR Inhibition: Sample DNA or RNA is spiked with a low-copy number of a exogenous DNA or RNA template respectively. A spike template-specific PCR assay is used to test for the spike template for the purpose of determining the presence of PCR inhibitors. The RNA spike control is also used to evaluate the reverse-transcription of RNA. Amplification of spike template indicates that there is no detectable inhibition and the assay is valid.

Rodentibacter pneumotropicus: (former) P. pneumotropica-Jawetz

Rodentibacter heylii: (former) P. pneumotropica-Heyl

Filobacterium rodentium: (former) CAR Bacillus

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## Serology

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	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>
	1	2	3	4
<i>ELISA SEND</i>	-	-	-	-
<i>ELISA SDAV</i>	-	-	-	-
<i>ELISA MPUL</i>	-	-	-	-
<i>ELISA CPIL</i>	-	-	-	-
<i>ELISA HANT</i>	-	-	-	-
<i>MAG C. kutscheri</i>	-	-	-	-
<i>MAG S.Typhimurium</i>	-	-	-	-
<i>MAG B.bronchiseptica</i>	-	-	-	-

## Remarks

MFIA/ELISA/IFA Results: - = Negative; +/- = Equivocal; + = Moderate to strong positive; TC = Non-specific reaction with tissue control. All Assays: IN = positive result interpreted as non-specific because not confirmed by other serologic assays or by testing of additional samples from the same source; PDG = pending; QNS = Quantity not sufficient.

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Number	Code	Species	Colony	Strain	Age	Sex	Additio n Info	Locatio n
3108, Sample Type: Serum								
2	2	Rat	Shikata facility 3108 Sentinel	Wistar	14 weeks	Female	Undilut ed	-
3107, Sample Type: Serum								
1	1	Rat	Shikata facility 3107 Sentinel	Wistar	13 weeks	Female	Undilut ed	-
3119, Sample Type: Serum								
3	3	Rat	Shikata facility 3119 Sentinel	Wistar	15 weeks	Female	Undilut ed	-
4	4	Rat	Shikata facility 3119 Sentinel	Wistar	16 weeks	Female	Undilut ed	Monitor box
3107, Sample Type: Fecal pellet								
5	1	Rat	Shikata facility 3107 Sentinel	Wistar	-	Female	No pool	-
3108, Sample Type: Fecal pellet								
6	2	Rat	Shikata facility 3108 Sentinel	Wistar, etc	-	Female	Pooled up to 7:1	-
3119, Sample Type: Fecal pellet								
7	3	Rat	Shikata facility 3119 Sentinel	Wistar	-	Female	No pool	-
8	4	Rat	Shikata facility 3119 Sentinel	Wistar	-	Female	No pool	Monitor box