

Test Results

Order #: 2023000588

LTM Customer ID: 42510

The Jackson Laboratory Japan, Inc.

Okayama University

(Monitoring Center, JAX in 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 23 0007

4-4-1 Minamisuita

Suita-shi Osaka 564-0043 Japan

Details

Sample(s) from: Multiple locations

Collection Date

Arrival Date

Approval Date

21-Feb-2023

22-Feb-2023

03-Mar-2023

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					
Aspiculuris tetraptera PCR	Shikata facility Room 7 (4104)	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.

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Molecular Diagnostics:

Results approved by Kato, Katsuhiko on 03 Mar 2023

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

Results approved by Kato, Katsuhiko on 02 Mar 2023

	<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>	-	-	-	-	IN	-	-	-	-	-
<i>ELISA LCMV</i>	-	-	-	-	-	-	-	-	-	-
<i>ELISA ECTRO</i>	-	-	-	-	-	-	-	-	-	-
<i>MAG C. kutscheri</i>	-	-	-	-	-	-	-	-	-	-
<i>MAG S.Typhimurium</i>	-	-	-	-	-	-	-	-	-	-
<i>IFA CPIL</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>	-	-	-	-	-	-	-	-	-	-
<i>ELISA LCMV</i>	-	-	-	-	-	-	-	-	-	-
<i>ELISA ECTRO</i>	-	-	-	-	-	-	-	-	-	-
<i>MAG C. kutscheri</i>	-	-	-	-	-	-	-	-	-	-
<i>MAG S.Typhimurium</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>	-	-	-

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Notes

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

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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Sample Information

Number	Code	Species	Colony	Strain	Age	Sex	Additio n Info	Locatio n
Sample Type: Serum								
1	1	Mouse	Shikata facility Room 3 (5105) Sentinel	ICR	13 weeks	Female	Undilut ed	Back
2	2	Mouse	Shikata facility Room 3 (5105) Sentinel	ICR	13 weeks	Female	Undilut ed	Front
3	3	Mouse	Shikata facility Room 2 (5106) Sentinel	ICR	13 weeks	Female	Undilut ed	Back
4	4	Mouse	Shikata facility Room 2 (5106) Sentinel	ICR	13 weeks	Female	Undilut ed	Front
5	5	Mouse	Shikata facility Room 1 (5107) Sentinel	ICR	13 weeks	Female	Undilut ed	Back
6	6	Mouse	Shikata facility Room 1 (5107) Sentinel	ICR	13 weeks	Female	Undilut ed	Front
7	7	Mouse	Shikata facility Room 4 (5115) Sentinel	ICR	13 weeks	Female	Undilut ed	Back
8	8	Mouse	Shikata facility Room 4 (5115) Sentinel	ICR	13 weeks	Female	Undilut ed	Front
9	9	Mouse	Shikata facility Room 7 (4104) Sentinel	ICR	13 weeks	Female	Undilut ed	Back
10	10	Mouse	Shikata facility Room 7 (4104) Sentinel	ICR	13 weeks	Female	Undilut ed	Front
11	11	Mouse	Shikata facility Room 6 (4105) Sentinel	ICR	13 weeks	Female	Undilut ed	Back
12	12	Mouse	Shikata facility Room 6 (4105) Sentinel	ICR	13 weeks	Female	Undilut ed	Front
13	13	Mouse	Shikata facility Room 5 (4106) Sentinel	ICR	13 weeks	Female	Undilut ed	Back
14	14	Mouse	Shikata facility Room 5 (4106) Sentinel	ICR	13 weeks	Female	Undilut ed	Front

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Sample Information

Number	Code	Species	Colony	Strain	Age	Sex	Addition Info	Location
Sample Type: Serum (continued)								
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
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
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
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
23	23	Mouse	Shikata facility Room 12 (3121) Sentinel	ICR	13 weeks	Female	Undiluted	Back
Sample Type: Fecal pellet								
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 10:1	Front
26	3	Mouse	Shikata facility Room 2 (5106) Sentinel	ICR, etc	-	Female	Pooled up to 10:1	Back

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Sample Information

Number	Code	Species	Colony	Strain	Age	Sex	Addition Info	Location
Sample Type: Fecal pellet (continued)								
27	4	Mouse	Shikata facility Room 2 (5106) Sentinel	ICR, etc	-	Female	Pooled up to 10:1	Front
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
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
32	9	Mouse	Shikata facility Room 7 (4104) Sentinel	ICR, etc	-	Female	Pooled up to 10:1	Back
33	10	Mouse	Shikata facility Room 7 (4104) Sentinel	ICR, etc	-	Female	Pooled up to 10:1	Front
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

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Sample Information

Number	Code	Species	Colony	Strain	Age	Sex	Addition Info	Location
Sample Type: Fecal pellet (continued)								
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
38	15	Mouse	Shikata facility Room 11 (4116) Sentinel	ICR, etc	-	Female	Pooled up to 10:1	Back
39	16	Mouse	Shikata facility Room 11 (4116) Sentinel	ICR, etc	-	Female	Pooled up to 10:1	Front
40	17	Mouse	Shikata facility Room 10 (4117) Sentinel	ICR, etc	-	Female	Pooled up to 10:1	Back
41	18	Mouse	Shikata facility Room 10 (4117) Sentinel	ICR, etc	-	Female	Pooled up to 10:1	Front
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
44	21	Mouse	Shikata facility Room 8 (4119) Sentinel	ICR, etc	-	Female	Pooled up to 10:1	Back

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Notes

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

Sample Information

Number	Code	Species	Colony	Strain	Age	Sex	Addition Info	Location
Sample Type: Fecal pellet (continued)								
45	22	Mouse	Shikata facility Room 8 (4119) Sentinel	ICR, etc	-	Female	Pooled up to 10:1	Front
46	23	Mouse	Shikata facility Room 12 (3121) Sentinel	ICR, etc	-	Female	Pooled up to 10:1	Back

Test Results

Order #: 2023000589

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Billing Information

Payment Method

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Purchase Order

PO#: RADS SS 23 0007

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Details

Sample(s) from: Multiple locations

Collection Date

Arrival Date

Approval Date

21-Feb-2023

22-Feb-2023

03-Mar-2023

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.

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Notes

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

Molecular Diagnostics:

Results approved by Kato, Katsuhiko on 03 Mar 2023

Infectious Disease PCR

	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>
	30	31	32	33
<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 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 heylii: (former) P. pneumotropica-Heyl

Filobacterium rodentium: (former) CAR Bacillus

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Notes

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Serology

Results approved by Kato, Katsuhiko on 02 Mar 2023

	<u>1</u> 30	<u>2</u> 31	<u>3</u> 32	<u>4</u> 33
<i>ELISA SEND</i>	-	-	-	-
<i>ELISA SDAV</i>	-	-	-	-
<i>ELISA MPUL</i>	-	-	-	-
<i>ELISA CPIL</i>	-	-	IN	-
<i>ELISA HANT</i>	-	-	-	-
<i>MAG C. kutscheri</i>	-	-	-	-
<i>MAG S.Typhimurium</i>	-	-	-	-
<i>MAG B.bronchiseptica</i>	-	-	-	-
<i>IFA CPIL</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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Notes

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Sample Information

Number	Code	Species	Colony	Strain	Age	Sex	Addition Info	Location
Sample Type: Serum								
1	30	Rat	Shikata facility 3107 Sentinel	Wistar	13 weeks	Female	Undiluted	-
2	31	Rat	Shikata facility 3108 Sentinel	Wistar	13 weeks	Female	Undiluted	-
3	32	Rat	Shikata facility 3119 Sentinel	Wistar	13 weeks	Female	Undiluted	-
4	33	Rat	Shikata facility 3119 Sentinel	Wistar	13 weeks	Female	Undiluted	Monitor box
Sample Type: Fecal pellet								
5	30	Rat	Shikata facility 3107 Sentinel	Wistar	-	Female	Pooled up to 6:1	-
6	31	Rat	Shikata facility 3108 Sentinel	Wistar, etc	-	Female	Pooled up to 10:1	-
7	32	Rat	Shikata facility 3119 Sentinel	Wistar	-	Female	Pooled up to 9:1	-
8	33	Rat	Shikata facility 3119 Sentinel	Wistar	-	Female	Pooled up to 8:1	Monitor box