

Test Results

Order #: **2015086539**

Indiana University
(IUPUI-IB 008)
Medical Research & Library
IB 008
975 W Walnut Street
Indianapolis, IN 46202 USA
Attn: Robin Crisler

Charles River Research Animal Diagnostic Services
(CR RADS)
261 Ballardvale Street
Receiving Dock, Bldg 22
Wilmington MA 01887 USA

Billing Information

Payment Method

Standing Purchase PO#: 1419335
Order Exp. 12/2015

Indiana University
Room 021
400 E 7th Street
Bloomington, IN 47405 USA

Details

Sample(s) from: Multiple locations

Collection Date	Scheduled Ship Date	Arrival Date	Approval Date
02-Sep-2015	04-Sep-2015	08-Sep-2015	09-Sep-2015

Diagnostic Summary

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

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

To assure the SPF 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.

Test Results

Order #: 2015086539

Indiana University
(IUPUI-IB 008)
Medical Research & Library
IB 008
975 W Walnut Street
Indianapolis, IN 46202 USA
Attn: Robin Crisler

Charles River Research Animal Diagnostic Services
(CR RADS)
261 Ballardvale Street
Receiving Dock, Bldg 22
Wilmington MA 01887 USA

Molecular Diagnostics: Infectious Disease PCR

Results approved by Magan, Kyria on 09 Sep 2015*

IUPUI Mouse Prevalent PRIA

	<u>1</u> IB	<u>2</u> IB	<u>3</u> IB	<u>4</u> IB	<u>27</u> IB
	11D/11L/11R	29A PRIA	29E/30/32 P	31/33/49U P	29C/29D PR
MHV PCR	-	-	-	-	-
Mouse Parvovirus (MPV/MVM) P	-	-	-	-	-
MRV (EDIM) PCR	-	-	-	-	-
TMEV/GDVII PCR	-	-	-	-	-
MAV 1 & 2 PCR	-	-	-	-	-
Mousepox (Ectromelia) PCR	-	-	-	-	-
Pinworm PCR	-	-	-	-	-
Mite PCR	-	-	-	-	-

Remarks

- = Negative, +/- = Equivocal; + = Positive; I = Inconclusive.

An equivocal result indicates inconsistent amplification detected by real-time PCR.

Inconclusive indicates failure of control result.

Nucleic Acid Recovery Control (NRC)/Inhibition Control: A low copy exogenous nucleic acid was added to sample lysis prior to nucleic acid isolation to serve as both a control to monitor for nucleic acid recovery and PCR inhibition. An RNA NRC also monitors reverse transcription for RNA virus assays. Nucleic acid recovery and PCR inhibition is monitored by a PCR assay specific for the NRC template. Unless otherwise stated, the control results passed for this order.

Any samples reported as equivocal or positive result in this report has been confirmed by re-extracting nucleic acid and repeating real-time PCR amplification to confirm the initial testing result.

If this report contains an unexpected result, we strongly recommend that you call our Technical Services Dept (800.338.9680) before taking any action. Additional or alternative testing may be essential to reaching an accurate diagnosis. We will be glad to test newly submitted samples up to the number of unexpected results in this order.

*This report has been electronically signed by laboratory personnel. The name of the individual who approved these results appears in the header of this service report.

Test Results

Order #: **2015086539**

Indiana University
 (IUPUI-IB 008)
 Medical Research & Library
 IB 008
 975 W Walnut Street
 Indianapolis, IN 46202 USA
 Attn: Robin Crisler

Charles River Research Animal Diagnostic Services
 (CR RADS)
 261 Ballardvale Street
 Receiving Dock, Bldg 22
 Wilmington MA 01887 USA

Serology

Results approved by Kudalis, Diane on 08 Sep 2015*

	<u>5</u> IB 11R: M1	<u>6</u> IB 11S: M1	<u>7</u> IB 12: M1+2	<u>8</u> IB 12: M3+4	<u>9</u> IB 12: M5	<u>10</u> IB 29A: M1+2	<u>11</u> IB 29A: M3+4	<u>12</u> IB 29A: M5+6	<u>13</u> IB 29A: M7	<u>14</u> IB 29E: M1+2
MFIA SEND	-	-	-	-	-	-	-	-	-	-
MFIA PVM	-	-	-	-	-	-	-	-	-	-
MFIA MHV	-	-	-	-	-	-	-	-	-	-
MFIA MVM	-	-	-	-	-	-	-	-	-	-
MFIA MPV-1	-	-	-	-	-	-	-	-	-	-
MFIA MPV-2	-	-	-	-	-	-	-	-	-	-
MFIA NS-1	-	-	-	-	-	-	-	-	-	-
MFIA GDVII	-	-	-	-	-	-	-	-	-	-
MFIA REO	-	-	-	-	-	-	-	-	-	-
MFIA EDIM (ROTA-A)	-	-	-	-	-	-	-	-	-	-
MFIA LCMV	-	-	-	-	-	-	-	-	-	-
MFIA MAV 1 & 2	-	-	-	-	-	-	-	-	-	-
MFIA ECTRO	-	-	-	-	-	-	-	-	-	-
MFIA MPUL	-	-	-	-	-	-	-	-	-	-
MFIA CPIL	-	-	-	-	-	-	-	-	-	-
MFIA Anti-Ig	P	P	P	P	P	P	P	P	P	P

	<u>15</u> IB 29E: M3+4	<u>16</u> IB 29E: M5+6	<u>17</u> IB 30: M1+2	<u>18</u> IB 31: M1+2	<u>19</u> IB 31: M3+4	<u>20</u> IB 31: M5	<u>21</u> IB 32: M1+2	<u>22</u> IB 33: M1+2	<u>23</u> IB 33: M3+4	<u>24</u> IB 11D: M1
MFIA SEND	-	-	-	-	-	-	-	-	-	-
MFIA PVM	-	-	-	-	-	-	-	-	-	-
MFIA MHV	-	-	-	-	-	-	-	-	-	-
MFIA MVM	-	-	-	-	-	-	-	-	-	-
MFIA MPV-1	-	-	-	-	-	-	-	-	-	-
MFIA MPV-2	-	-	-	-	-	-	-	-	-	-
MFIA NS-1	-	-	-	-	-	-	-	-	-	-
MFIA GDVII	-	-	-	-	-	-	-	-	-	-
MFIA REO	-	-	-	-	-	-	-	-	-	-
MFIA EDIM (ROTA-A)	-	-	-	-	-	-	-	-	-	-
MFIA LCMV	-	-	-	-	-	-	-	-	-	-
MFIA MAV 1 & 2	-	-	-	-	-	-	-	-	-	-
MFIA ECTRO	-	-	-	-	-	-	-	-	-	-
MFIA MPUL	-	-	-	-	-	-	-	-	-	-
MFIA CPIL	-	-	-	-	-	-	-	-	-	-
MFIA Anti-Ig	P	P	P	P	P	P	P	P	P	P

Test Results

Order #: **2015086539**

Indiana University
(IUPUI-IB 008)
Medical Research & Library
IB 008
975 W Walnut Street
Indianapolis, IN 46202 USA
Attn: Robin Crisler

Charles River Research Animal Diagnostic Services
(CR RADS)
261 Ballardvale Street
Receiving Dock, Bldg 22
Wilmington MA 01887 USA

Serology

Results approved by Kudalis, Diane on 08 Sep 2015*

	<u>25</u> IB 11L: M1	<u>26</u> IB 49U: M1	<u>28</u> IB 29C: M1+2	<u>29</u> IB 29C: M3+4	<u>30</u> IB 29C: M5+6	<u>31</u> IB 29D: M1+2	<u>32</u> IB 29D: M3+4	<u>33</u> IB 29D: M5
MFIA SEND	-	-	-	-	-	-	-	-
MFIA PVM	-	-	-	-	-	-	-	-
MFIA MHV	-	-	-	-	-	-	-	-
MFIA MVM	-	-	-	-	-	-	-	-
MFIA MPV-1	-	-	-	-	-	-	-	-
MFIA MPV-2	-	-	-	-	-	-	-	-
MFIA NS-1	-	-	-	-	-	-	-	-
MFIA GDVII	-	-	-	-	-	-	-	-
MFIA REO	-	-	-	-	-	-	-	-
MFIA EDIM (ROTA-A)	-	-	-	-	-	-	-	-
MFIA LCMV	-	-	-	-	-	-	-	-
MFIA MAV 1 & 2	-	-	-	-	-	-	-	-
MFIA ECTRO	-	-	-	-	-	-	-	-
MFIA MPUL	-	-	-	-	-	-	-	-
MFIA CPIL	-	-	-	-	-	-	-	-
MFIA Anti-Ig	P	P	P	P	P	P	P	P

Serology Profile: IUPUI Mouse Assessment Profile

Remarks

MFIA/IFA/ELISA/WIB Results: - = Negative; +/- = Equivocal; + = Moderate to strong positive; TC = Non-specific reaction with tissue control; I = Indeterminate or Inconclusive; IN = result interpreted as non-specific because not confirmed by alternative serologic assay or diagnostic methodology for other serologic assays, PDG = pending, QNS = Quantity not sufficient. The anti-immunoglobulin (Anti-Ig) MFIA verifies that a serum specimen contains a sufficient concentration of immunoglobulin to be suitable for serologic testing. A result of P (for Pass) corresponds to a median fluorescence index (MFI) at or above the Anti-Ig assay cutoff (typically ≥ 7000 or higher). An Anti-Ig assay result of F (for Fail), assigned if the MFI is below the cutoff, might occur because the sample was received too dilute, was collected from an immunocompromised host or was from a species other than the one for which the MFIA is intended. If a sample fails the Anti-Ig MFIA, then negative and borderline results in MFIA for microbial antibodies are considered I (for inconclusive).

*This report has been electronically signed by laboratory personnel. The name of the individual who approved these results appears in the header of this service report.

Test Results

Order #: 2015086539

Indiana University
(IUPUI-IB 008)
Medical Research & Library
IB 008
975 W Walnut Street
Indianapolis, IN 46202 USA
Attn: Robin Crisler

Charles River Research Animal Diagnostic Services
(CR RADS)
261 Ballardvale Street
Receiving Dock, Bldg 22
Wilmington MA 01887 USA

Sample Information

Number	Code	Species	Colony
1	IB 11D/11L/11R/11S/12 PRIA	Mouse	n/d
2	IB 29A PRIA	Mouse	n/d
3	IB 29E/30/32 PRIA	Mouse	n/d
4	IB 31/33/49U PRIA	Mouse	n/d
5	IB 11R: M1	Mouse	11R Sentinel Mice
6	IB 11S: M1	Mouse	11S Sentinel Mice
7	IB 12: M1+2	Mouse	12 Sentinel Mice
8	IB 12: M3+4	Mouse	12 Sentinel Mice
9	IB 12: M5	Mouse	12 Sentinel Mice
10	IB 29A: M1+2	Mouse	29A Sentinel Mice
11	IB 29A: M3+4	Mouse	29A Sentinel Mice
12	IB 29A: M5+6	Mouse	29A Sentinel Mice
13	IB 29A: M7	Mouse	29A Sentinel Mice
14	IB 29E: M1+2	Mouse	29E Sentinel Mice
15	IB 29E: M3+4	Mouse	29E Sentinel Mice
16	IB 29E: M5+6	Mouse	29E Sentinel Mice
17	IB 30: M1+2	Mouse	30 Sentinel Mice
18	IB 31: M1+2	Mouse	31 Sentinel Mice
19	IB 31: M3+4	Mouse	31 Sentinel Mice
20	IB 31: M5	Mouse	31 Sentinel Mice
21	IB 32: M1+2	Mouse	32 Sentinel Mice
22	IB 33: M1+2	Mouse	33 Sentinel Mice
23	IB 33: M3+4	Mouse	33 Sentinel Mice
24	IB 11D: M1	Mouse	n/d
25	IB 11L: M1	Mouse	n/d
26	IB 49U: M1	Mouse	n/d
27	IB 29C/29D PRIA	Mouse	n/d
28	IB 29C: M1+2	Mouse	29C Sentinel Mice
29	IB 29C: M3+4	Mouse	29C Sentinel Mice
30	IB 29C: M5+6	Mouse	29C Sentinel Mice
31	IB 29D: M1+2	Mouse	29D Sentinel Mice
32	IB 29D: M3+4	Mouse	29D Sentinel Mice
33	IB 29D: M5	Mouse	29D Sentinel Mice

**Indiana University School of Medicine
Laboratory Animal Resource Center
Necropsy Report**

Date processed: 02 Sept 2015
LARC Accession No.: NA
CRL Accession No: 2015086539
Histopathology Accession No(s): NA
Facility: **IB**

Investigator: Hickman
Species: Mice
Strain: ICR
Age: ~4 mo. Sex: Female
Date of Final Report: 09 Sept 2015

History: Sentinels were received from a commercial vendor and exposed for approximately 12 weeks to dirty bedding at a dilution ratio of one sentinel per 70-90 colony cages. Sentinels were processed for serology, PCR, gross necropsy, and parasitology. Results are reflected below and represent findings for all mouse sentinels from IB. Please refer to the Charles River Laboratory Report for rooms tested which are reflected in the sample ID name.

Serology and PCR Evaluation Results: Negative- Please see Charles River Laboratory results #

Serology Interpretation: Whole blood from up to 2 sentinel mice from the same room were pooled in each EZ Spot serology test.

PCR Interpretation: Feces or swabs applied to pelage were taken from sentinel mice and pooled together (up to 10 swabs or up to 10 fecal pellets, respectively) in the same test. One test may represent samples from more than one room at the facility.

Gross Necropsy findings:

Category	Animal Identification	Findings
General Appearance, Skin & Appendages, Cardiovascular & Respiratory Systems, Urogenital System, Digestive System, Lymphatic & Endocrine System, Nervous System	All THE ABOVE	No significant lesions

Parasitology Results:

Animal Identification	Test Site & Type	Result
All	Direct exam of cecal contents	Negative
All	Microscopic exam of pelt & fur pluck	Negative

Conclusion: No evidence of infectious disease of significance was found based on the testing methods used and dirty bedding sentinel system in place.

Please contact the Facility Veterinarian for IB, Dr. Nancy Johnston, DVM, if you have questions. 317-274-8242 or johnstna@iu.edu. For questions about testing or methodology, contact Dr. Johnston or Dr. Robin Crisler at 317-278-0251 or crisler@iupui.edu.