Test Results		Orde	er #:	2	20230	00588
LTM Customer ID: 42510			Т	he Jackson L	aboratory.	/ Japan, Inc.
Okayama University				(Monitoring	Center, JA	X in Japan)
Advanced Science Research Center, OU				955 Karr	nibayashi,	Ishioka-shi
				lba	raki 315-	0138 Japan
Shikata Campus						
2-5-1 Shikatacho, Kita-ku						
Okayama-shi Okayama 700-8558 Japan						
Billing Information						
Payment Method				Or	iental Yea	ast Co., Ltd.
Purchase Order PO#: RADS SS 23 0007					4-4-1 N	<i>A</i> inamisuita
				Suita-shi O	saka 564-	0043 Japan
Details						
Sample(s) from: Multiple locations						
Collection Date	Arrival Date	Approi	al Date			
21-Feb-2023	22-Feb-2023	03-Ma	r-2023			
Notes						
Shikata facility, Mouse, Serology and PCR testing	g 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

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

To assure the health status of your research animal colonies, it is essential that you understand the sources, pathobiology,

Sentinel Mice

diagnosis and control of pathogens and other adventitious infectious agents that may cause research interference.



Helicobacter hepaticus PCR



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Okayama-shi Okayama 700-8558 Japan

Notes

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

Molecular Diagnostics:

Infectious Disease PCR

	<u>24</u>	<u>25</u>	<u>26</u>	27	<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
Helicobacter hepaticus PCR	-	-	-	-	-	-	-	-	-	-
Aspiculuris tetraptera PCR	-	-	-	-	-	-	-	-	+	-
Syphacia obvelata PCR	-	-	-	-	-	-	-	-	-	-
	34	35	<u>36</u>	37	38	<u>39</u>	40	41	<u>42</u>	43
	11	12	13	14	15	16	17	18	19	20
Helicobacter hepaticus PCR	-	+	-	-	-	-	-	-	-	-
Aspiculuris tetraptera PCR	-	-	+	-	-	-	-	-	-	-
Syphacia obvelata PCR	-	-	-	-	-	-	-	-	-	-
				-						
	<u>44</u>	<u>45</u>	46							
	21	22	23							

	21	22	23
Helicobacter hepaticus PCR	-	-	-
Aspiculuris tetraptera PCR	-	-	-
Syphacia obvelata PCR	-	-	-

Infectious Disease PCR Profile: Helicobacter hepaticus PCR

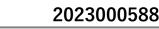
Remarks

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

Sample Suitability/Detection of PCR Inhibition:Sample DNA or RNA is spiked with a low-copy number of 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





Order #:

The Jackson Laboratory Japan, Inc. (Monitoring Center, JAX in Japan)

955 Kamibayashi, Ishioka-shi

Ibaraki 315-0138 Japan

Results approved by Kato, Katsuhiko on 03 Mar 2023



Okayama University

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Shikata Campus

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Okayama-shi Okayama 700-8558 Japan

Notes

Serology

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

2023000588

The Jackson Laboratory Japan, Inc. (Monitoring Center, JAX in Japan) 955 Kamibayashi, Ishioka-shi Ibaraki 315-0138 Japan

Results approved by Kato, Katsuhiko on 02 Mar 2023

ELISA MPUL -											
Image: Constraint of the second se											
ELISA MHV -		1	2	3	4	5	6	7	8	9	10
ELISA MPUL -	ELISA SEND	-	-	-	-	-	-	-	-	-	-
ELISA CPIL - - IN - - - - ELISA LCMV - - - - - - - - ELISA ECTRO - - - - - - - - - MAG C. kutscheri - - - - - - - - - MAG S. Typhimurium - - - - - - - - - VAG S. Styphimurium - - 13 14 15 16 17 18 19 20 Int 12 13 14 15 16 17 18 19 20 ELISA MPUL - - - - - - - - - Int 12 13 14 15 16 17 18 19 20 ELISA MPUL - - - - - - - - - ELISA MPUL - - - - - - - - - Int 12 22 23 - - - <t< td=""><td>ELISA MHV</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></t<>	ELISA MHV	-	-	-	-	-	-	-	-	-	-
ELISA LCMV -	ELISA MPUL	-	-	-	-	-	-	-	-	-	-
ELISA ECTRO - <th< td=""><td>ELISA CPIL</td><td>-</td><td>-</td><td>-</td><td>-</td><td>IN</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></th<>	ELISA CPIL	-	-	-	-	IN	-	-	-	-	-
MAG C. kutscheri -	ELISA LCMV	-	-	-	-	-	-	-	-	-	-
MAG S. Typhimurium -<	ELISA ECTRO	-	-	-	-	-	-	-	-	-	-
Image: Prescription of the sector of the	MAG C. kutscheri	-	-	-	-	-	-	-	-	-	-
11 12 13 14 15 16 17 18 19 20 11 12 13 14 15 16 17 18 19 20 ELISA SEND -	MAG S.Typhimurium	-	-	-	-	-	-	-	-	-	-
11 12 13 14 15 16 17 18 19 20 ELISA SEND -	IFA CPIL					-					
11 12 13 14 15 16 17 18 19 20 ELISA SEND -											
ELISA SEND -											
ELISA MHV I I I I I I I I ELISA MPUL I		11	12	13	14	15	16	17	18	19	20
ELISA MPUL -	ELISA SEND	-	-	-	-	-	-	-	-	_	-
ELISA CPIL -	ELISA MHV	-	-	-	-	-	-	-	-	-	-
ELISA LCMV -	ELISA MPUL	-	-	-	-	-	-	-	-	-	-
ELISA ECTRO - <th< td=""><td>ELISA CPIL</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></th<>	ELISA CPIL	-	-	-	-	-	-	-	-	-	-
MAG C. kutscheri -	ELISA LCMV	-	-	-	-	-	-	-	-	-	-
MAG S. Typhimurium -	ELISA ECTRO	-	-	-	-	-	-	-	-	-	-
21 22 23 21 22 23 21 22 23 ELISA SEND - - ELISA MHV - - ELISA MPUL - - ELISA CPIL - - ELISA LCMV - -	MAG C. kutscheri	-	-	-	-	-	-	-	-	-	-
21 22 23 ELISA SEND - - ELISA MHV - - ELISA MPUL - - ELISA CPIL - - ELISA LCMV - -	MAG S.Typhimurium	-	-	-	-	-	-	-	-	-	-
21 22 23 ELISA SEND - - ELISA MHV - - ELISA MPUL - - ELISA CPIL - - ELISA LCMV - -					1						
ELISA SEND - - ELISA SEND - - ELISA MHV - - ELISA MPUL - - ELISA CPIL - - ELISA LCMV - -											
ELISA MHV - - ELISA MPUL - - ELISA CPIL - - ELISA CPIL - - ELISA LCMV - -		21	22	23							
ELISA MPUL - - ELISA CPIL - - ELISA LCMV - -	ELISA SEND	-	-	-							
ELISA CPIL - - ELISA LCMV - - -	ELISA MHV	-	-	-]						
ELISA CPIL - - ELISA LCMV - - -	ELISA MPUL	-	-	-	1						
ELISA LCMV	ELISA CPIL	-	-	-	1						
	ELISA LCMV	-	-	-	1						
		-	-	-	1						

Remarks

MAG C. kutscheri

MAG S. Typhimurium

-

_





Okayama University

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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)

Order #:

2023000588

The Jackson Laboratory Japan, Inc. (Monitoring Center, JAX in Japan) 955 Kamibayashi, Ishioka-shi Ibaraki 315-0138 Japan





Okayama University

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Okayama-shi Okayama 700-8558 Japan

Notes

Number

11 11

12 12

13 13

14 14

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

Sample

ple	Information	,						
?r	Code	Species	Colony	Strain	Age	Sex	Additio	Locatio
							n Info	п
			Sample T	ype: Serum				
1	1	Mouse	Shikata facility Room 3	ICR	13 weeks	Female	Undilut	Back
			(5105) Sentinel				ed	
2	2	Mouse	Shikata facility Room 3	ICR	13 weeks	Female	Undilut	Front
			(5105) Sentinel				ed	
3	3	Mouse	Shikata facility Room 2	ICR	13 weeks	Female	Undilut	Back
			(5106) Sentinel				ed	
4	4	Mouse	Shikata facility Room 2	ICR	13 weeks	Female	Undilut	Front
			(5106) Sentinel				ed	
5	5	Mouse	Shikata facility Room 1	ICR	13 weeks	Female	Undilut	Back
			(5107) Sentinel				ed	
6	6	Mouse	Shikata facility Room 1	ICR	13 weeks	Female	Undilut	Front
			(5107) Sentinel				ed	
7	7	Mouse	Shikata facility Room 4	ICR	13 weeks	Female	Undilut	Back
			(5115) Sentinel				ed	
8	8	Mouse	Shikata facility Room 4	ICR	13 weeks	Female	Undilut	Front
			(5115) Sentinel				ed	
9	9	Mouse	Shikata facility Room 7	ICR	13 weeks	Female	Undilut	Back
			(4104) Sentinel				ed	
10	10	Mouse	Shikata facility Room 7	ICR	13 weeks	Female	Undilut	Front

2023000588 Order #: The Jackson Laboratory Japan, Inc.

(Monitoring Center, JAX in Japan) 955 Kamibayashi, Ishioka-shi Ibaraki 315-0138 Japan



ed

ed

ed

ed

ed

Undilut

Undilut

Undilut

Undilut

Back

Front

Back

Front

Female

Female

Female

Female

ICR

ICR

ICR

ICR

13 weeks

13 weeks

13 weeks

13 weeks

(4104) Sentinel

(4105) Sentinel

(4105) Sentinel

(4106) Sentinel

(4106) Sentinel

Mouse

Mouse

Mouse

Mouse

Shikata facility Room 6

Shikata facility Room 6

Shikata facility Room 5

Shikata facility Room 5



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Okayama-shi Okayama 700-8558 Japan

Notes

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

Sample Information

(Monitoring Center, JAX in Japan) 955 Kamibayashi, Ishioka-shi Ibaraki 315-0138 Japan

umber	Code	Species	Colony	Strain	Age	Sex	Additio	Locatio
							n Info	п
			Sample Type	: Serum (contir	nued)			
15	15	Mouse	Shikata facility Room 11	ICR	13 weeks	Female	Undilut	Back
			(4116) Sentinel				ed	
16	16	Mouse	Shikata facility Room 11	ICR	13 weeks	Female	Undilut	Front
			(4116) Sentinel				ed	
17	17	Mouse	Shikata facility Room 10	ICR	13 weeks	Female	Undilut	Back
			(4117) Sentinel				ed	
18	18	Mouse	Shikata facility Room 10	ICR	13 weeks	Female	Undilut	Front
			(4117) Sentinel				ed	
19	19	Mouse	Shikata facility Room 9	ICR	13 weeks	Female	Undilut	Back
			(4118) Sentinel				ed	
20	20	Mouse	Shikata facility Room 9	ICR	13 weeks	Female	Undilut	Front
			(4118) Sentinel				ed	
21	21	Mouse	Shikata facility Room 8	ICR	13 weeks	Female	Undilut	Back
			(4119) Sentinel				ed	
22	22	Mouse	Shikata facility Room 8	ICR	13 weeks	Female	Undilut	Front
			(4119) Sentinel				ed	
23	23	Mouse	Shikata facility Room 12	ICR	13 weeks	Female	Undilut	Back
			(3121) Sentinel				ed	
			Sample T	ype: Fecal pell	et			
24	1	Mouse	Shikata facility Room 3	ICR, etc	-	Female	Pooled	Back
			(5105) Sentinel				up to	
							10:1	
25	2	Mouse	Shikata facility Room 3	ICR, etc	-	Female	Pooled	Front
			(5105) Sentinel				up to	
							10:1	
26	3	Mouse	Shikata facility Room 2	ICR, etc	-	Female	Pooled	Back
			(5106) Sentinel				up to	
							10:1	





2023000588 Order #:

The Jackson Laboratory Japan, Inc.

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Okayama-shi Okayama 700-8558 Japan

Notes

Shikata facility, Mouse, Serology and PCR testing for routine $\ensuremath{\mathsf{H}}\xspace$

Sample Information

Number	Code	Species	Colony	Strain	Age	Sex	Additio	Locatio
							n Info	п
			Sample Type: Fed	al pellet (contir	nued)			
27	4	Mouse	Shikata facility Room 2	ICR, etc	-	Female	Pooled	Front
			(5106) Sentinel				up to	
							10:1	
28	5	Mouse	Shikata facility Room 1	ICR, etc	-	Female	Pooled	Back
			(5107) Sentinel				up to	
							10:1	
29	6	Mouse	Shikata facility Room 1	ICR, etc	-	Female	Pooled	Front
			(5107) Sentinel				up to	
							10:1	
30	7	Mouse	Shikata facility Room 4	ICR, etc	-	Female	Pooled	Back
			(5115) Sentinel				up to	
							10:1	
31	8	Mouse	Shikata facility Room 4	ICR, etc	-	Female	Pooled	Front
			(5115) Sentinel				up to	
							10:1	
32	9	Mouse	Shikata facility Room 7	ICR, etc	-	Female	Pooled	Back
			(4104) Sentinel				up to	
							10:1	
33	10	Mouse	Shikata facility Room 7	ICR, etc	-	Female	Pooled	Front
			(4104) Sentinel				up to	
							10:1	
34	11	Mouse	Shikata facility Room 6	ICR, etc	-	Female	Pooled	Back
			(4105) Sentinel				up to	
							10:1	
35	12	Mouse	Shikata facility Room 6	ICR, etc	-	Female	Pooled	Front
			(4105) Sentinel				up to	
							10:1	
							10.1	



Order #: 2023000588

The Jackson Laboratory Japan, Inc. (Monitoring Center, JAX in Japan) 955 Kamibayashi, Ishioka-shi Ibaraki 315-0138 Japan



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Notes

Shikata facility, Mouse, Serology and PCR testing for routine $\ensuremath{\mathsf{H}}\xspace$

Sample Information

Number	Code	Species	Colony	Strain	Age	Sex	Additio	Locatio
							n Info	п
			Sample Type: F	ecal pellet (cor	ntinued)			
36	13	Mouse	Shikata facility Room 5	ICR, etc	-	Female	Pooled	Back
			(4106) Sentinel				up to	
							10:1	
37	14	Mouse	Shikata facility Room 5	ICR, etc	-	Female	Pooled	Front
			(4106) Sentinel				up to	
							10:1	
38	15	Mouse	Shikata facility Room 11	ICR, etc	-	Female	Pooled	Back
			(4116) Sentinel				up to	
							10:1	
39	16	Mouse	Shikata facility Room 11	ICR, etc	-	Female	Pooled	Front
			(4116) Sentinel				up to	
							10:1	
40	17	Mouse	Shikata facility Room 10	ICR, etc	-	Female	Pooled	Back
			(4117) Sentinel				up to	
							10:1	
41	18	Mouse	Shikata facility Room 10	ICR, etc	-	Female	Pooled	Front
			(4117) Sentinel				up to	
							10:1	
42	19	Mouse	Shikata facility Room 9	ICR, etc	-	Female	Pooled	Back
			(4118) Sentinel				up to	
							10:1	
43	20	Mouse	Shikata facility Room 9	ICR, etc	-	Female	Pooled	Front
			(4118) Sentinel				up to	
							10:1	
44	21	Mouse	Shikata facility Room 8	ICR, etc	-	Female	Pooled	Back
			(4119) Sentinel				up to	
							10:1	

Order #: 2023000588

The Jackson Laboratory Japan, Inc. (Monitoring Center, JAX in Japan) 955 Kamibayashi, Ishioka-shi Ibaraki 315-0138 Japan



Okayama-shi Okayama 700-8558 Japan

Notes

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

Sample Information

Number	Code	Species	Colony	Strain	Age	Sex	Additio	Locatio
							n Info	п
			Sample Type: F	ecal pellet (cor	itinued)			
45	22	Mouse	Shikata facility Room 8	ICR, etc	-	Female	Pooled	Front
			(4119) Sentinel				up to	
							10:1	
46	23	Mouse	Shikata facility Room 12	ICR, etc	-	Female	Pooled	Back
			(3121) Sentinel				up to	
							10:1	





Test Results		Order #:	2023000589
LTM Customer ID: 42510		The Ja	ackson Laboratory Japan, Inc.
Okayama University		(Mor	nitoring Center, JAX in Japan)
Advanced Science Research Center, OU		1	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
		Sui	ta-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, Rat, Serology and PCR testing for	or 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.





Okayama University

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Okayama-shi Okayama 700-8558 Japan

Notes

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

Molecular Diagnostics:

Infectious Disease PCR

	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>
	30	31	32	33
Syphacia muris 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



Order #: 2023000589

The Jackson Laboratory Japan, Inc. (Monitoring Center, JAX in Japan)

955 Kamibayashi, Ishioka-shi

Ibaraki 315-0138 Japan

Results approved by Kato, Katsuhiko on 03 Mar 2023



Okayama University

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Okayama-shi Okayama 700-8558 Japan

Notes

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

Serology

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

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.

FROD: Filobacterium rodentium ((former) CAR bacillus)

Order #:

2023000589

Ibaraki 315-0138 Japan

The Jackson Laboratory Japan, Inc. (Monitoring Center, JAX in Japan) 955 Kamibayashi, Ishioka-shi

Results approved by Kato, Katsuhiko on 02 Mar 2023



Okayama University

Advanced Science Research Center, OU

Shikata Campus

2-5-1 Shikatacho, Kita-ku

Okayama-shi Okayama 700-8558 Japan

Notes

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

Sample Information

The Jackson Laboratory Japan, Inc. (Monitoring Center, JAX in Japan) 955 Kamibayashi, Ishioka-shi Ibaraki 315-0138 Japan

Sample	e Informa	tion						
Number	Code	Species	Colony	Strain	Age	Sex	Additio	Locatio
							n Info	п
			Samp	ole Type: Serum				
1	30	Rat	Shikata facility 3107	Wistar	13 weeks	Female	Undilut	-
			Sentinel				ed	
2	31	Rat	Shikata facility 3108	Wistar	13 weeks	Female	Undilut	-
			Sentinel				ed	
3	32	Rat	Shikata facility 3119	Wistar	13 weeks	Female	Undilut	-
			Sentinel				ed	
4	33	Rat	Shikata facility 3119	Wistar	13 weeks	Female	Undilut	Monitor
			Sentinel				ed	box
			Sample	Type: Fecal pellet	t			
5	30	Rat	Shikata facility 3107	Wistar	-	Female	Pooled	-
			Sentinel				up to	
							6:1	
6	31	Rat	Shikata facility 3108	Wistar, etc	-	Female	Pooled	-
			Sentinel				up to	
							10:1	
7	32	Rat	Shikata facility 3119	Wistar	-	Female	Pooled	-
			Sentinel				up to	
							9:1	
8	33	Rat	Shikata facility 3119	Wistar	-	Female	Pooled	Monitor
			Sentinel				up to	box
							8:1	



2023000589

Order #: