



m-TECH / Monoclonal Technologies Inc.

"Immunochemicals for Research"

1-888-683-2414 / 770-521-1960



Increase your coverage with no sacrifice of specificity

2012
Legionella Product Catalog



On the web at www.4m-tech.com

e-mail: m-tech@mindspring.com

m-TECH® is a registered trademark of Monoclonal Technologies, Inc./ 16335 New Bullpen Road / Milton, GA 30004 / Toll Free (U.S.): 1-888-683-2414 /outside U.S. 770-521-1960 / Fax: 770-521-1930 / e-mail: m-tech@mindspring.com / <http://www.4m-tech.com> / © m-TECH® 1998-2012 all rights reserved



“Immunochemicals for Research”

TABLE OF CONTENTS

LEGIONELLA

• Legionella pneumophila SeroGroups 1 - 14	2
• Conjugates and Antigens available for SeroGroups 1 - 14	3
• Legionella species b - m (bozemanii - maceachernii)	4
• Conjugates and Antigens available for species b - m	5
• DFA MonoSpecific Conjugates– Not in Panvalent	6
• Order and Shipping Information	7
Control Slides	8-9
• Fax Order Page	10
• Credit Application	11
• CDC Publication - “Detection of Legionnaires’ Disease Bacteria in Clinical Specimens by Direct Immunofluorescence” by <i>William B. Cherry nad Roger M. McKinney</i>	12



**** WHY TEST FOR ONLY ONE OR MAYBE SIX SEROGROUPS OF LEGIONELLA PNEUMOPHILA WHEN YOU COULD TEST FOR ALL FOURTEEN SEROGROUPS WITH ONE CONJUGATE :**

PRODUCT # 92-148-FL

DFA test for Legionella pneumophila Sero-Groups 1 – 14

Panvalent FITC Conjugate produced to the following pneumophila strains:

<u>GENUS / SPECIES</u>	<u>SERO-GROUP</u>	<u>STRAIN</u>
Legionella pneumophila	1	Knoxville 1
Legionella pneumophila	1	Bellingham 1
Legionella pneumophila	1	Olda
Legionella pneumophila	1	Philadelphia 1
Legionella pneumophila	2	Togus 1
Legionella pneumophila	3	Bloomington 2
Legionella pneumophila	4	Portland 1
Legionella pneumophila	4	Los Angeles 1
Legionella pneumophila	5	Cambridge 1
Legionella pneumophila	5	Dallas 1
Legionella pneumophila	6	Chicago 2
Legionella pneumophila	7	Chicago 8
Legionella pneumophila	8	Concord 3
Legionella pneumophila	9	IN-23-G1-C2
Legionella pneumophila	10	Leiden 1
Legionella pneumophila	11	797-PA-H
Legionella pneumophila	12	570-CO-H
Legionella pneumophila	13	82A3105
Legionella pneumophila	14	1169-MN-H

Increase your coverage with no sacrifice of specificity.



MONOSPECIFIC CONJUGATES AND ANTIGENS AVAILABLE :

<u>SERO-GROUP</u>	<u>STRAIN</u>		<u>FITC CONJUGATE #</u>	<u>ANTIGEN SUSPENSION #</u>
1	Knoxville 1	†	92-100-FL	92-100-H
1	Bellingham 1	†	92-101-FL	92-101-H
1	Olda	†	92-102-FL	92-102-H
1	Philadelphia 1	*	92-103-FL	92-103-H
2	Togus 1	*	92-104-FL	92-104-H
3	Bloomington 2	*	92-105-FL	92-105-H
4	Portland 1	†	92-106-FL	92-106-H
4	Los Angeles 1	*	92-107-FL	92-107-H
5	Cambridge 1	†	92-108-FL	92-108-H
5	Dallas 1	*	92-109-FL	92-109-H
6	Chicago 2	*	92-110-FL	92-110-H
7	Chicago 8	*	92-111-FL	92-111-H
8	Concord 3	*	92-112-FL	92-112-H
9	IN-23-G1-C2	*	92-113-FL	92-113-H
10	Leiden 1	*	92-114-FL	92-114-H
11	797-PA-H	*	92-115-FL	92-115-H
12	570-CO-H	*	92-116-FL	92-116-H
13	82A3105	*	92-117-FL	92-117-H
14	1169-MN-H	*	92-118-FL	92-118-H
** DFA NEGATIVE CONTROL CONJUGATE			92-600-FL	

ALL FITC CONJUGATES

conjugates are in Evans blue counter stain & contain merthiolate as perservative.

ALL ANTIGEN SUSPENSIONS

heat killed antigens are suspended in PBS plus a clear mordant to assist in attachment of cells to slide.

* *designated Sero-Group reference type strains*

† *suggested supplemental strain to give more complete Sero-Group coverage*

Reference: HEW publication no.[CDC] 79-8375 – “Legionnaires’ “the disease, the bacterium and methodology.

Detection of Legionnaires’ Disease Bacteria in Clinical Specimens by Direct Immunofluorescence

by William B. Cherry & Roger M. McKinney



“Immunochemicals for Research”

TEST FOR NINETEEN LEGIONELLA SPECIES & SEROGROUPS
OTHER THAN PNEUMOPHILA WITH ONE CONJUGATE:

PRODUCT # 92-149-FL

Also available as Rhodamine Conjugate

DFA test for Legionella Species b - m (bozemanii - maceachernii).

Panvalent FITC Conjugate produced to the following Legionella species strains:

LEGIONELLA		
<u>SPECIES</u>	<u>SEROGROUP</u>	<u>STRAIN</u>
Legionella bozemanii	1	WIGA
Legionella bozemanii	2	Toronto 3
Legionella dumoffii	1	NY-23
Legionella gormanii	1	LS-13
Legionella micdadei	1	TATLOCK
Legionella longbeachae	1	Long Beach 4
Legionella longbeachae	2	Tucker 1
Legionella jordanis	1	BL-540
Legionella oakridgensis	1	Oak Ridge 10
Legionella wadsworthii	1	81-716
Legionella feeleeii	1	WO-44C-C3
Legionella feeleeii	2	691-WI-H
Legionella sainthelensi	1	Mt. St. Helens 4
Legionella anisa	1	WA-316-C3
Legionella santicrucis	1	SC-63-C7
Legionella spiritensis	1	Mt. St. Helens 9
Legionella hackeliae	1	Lansing 2
Legionella hackeliae	2	798-PA-H
Legionella maceachernii	1	PX-1-G2-E2



“Immunochemicals for Research”

MONOSPECIFIC CONJUGATES & ANTIGENS AVAILABLE :

SPECIES	SEOGROUP	STRAIN		FITC CONJUGATE #	ANTIGEN SUSPENSION #
Legionella bozemanii	1	WIGA	*	92-120 -FL	92-120-H
Legionella bozemanii	2	Toronto 3	*	92-121 -FL	92-121-H
Legionella dumoffii	1	NY-23	*	92-122 -FL	92-122-H
Legionella gormanii	1	LS-13	*	92-123 -FL	92-123-H
Legionella micdadei	1	TATLOCK	*	92-124 -FL	92-124-H
Legionella longbeachae	1	Long Beach 4	*	92-125 -FL	92-125-H
Legionella longbeachae	2	Tucker 1	*	92-126 -FL	92-126-H
Legionella jordanis	1	BL-540	*	92-127 -FL	92-127-H
Legionella oakridgensis	1	Oak Ridge 10	*	92-128 -FL	92-128-H
Legionella wadsworthii	1	81-716	*	92-129 -FL	92-129-H
Legionella feeleii	1	WO-44C-C3	*	92-130 -FL	92-130-H
Legionella feeleii	2	691-WI-H	*	92-131 -FL	92-131-H
Legionella sainthelensi	1	Mt. St. Helens4	*	92-132 -FL	92-132-H
Legionella anisa	1	WA-316-C3	*	92-133 -FL	92-133-H
Legionella santicrucis	1	SC-63-C7	*	92-134 -FL	92-134-H
Legionella spiritensis	1	Mt St Helens 9	*	92-137 -FL	92-137-H
Legionella hackeliae	1	Lansing 2	*	92-138 -FL	92-138-H
Legionella hackeliae	2	798-PA-H	*	92-139 -FL	92-139-H
Legionella maceachernii	1	PX-1-G2-E2	*	92-140 -FL	92-140-H

*** designated Species Type Strains.**

ALL FITC CONJUGATES: *conjugates are in Evans blue counter stain & contain merthiolate as preservative.*

ALL ANTIGEN SUSPENSIONS: *heat killed antigens are suspended in PBS plus a clear mordant to assist in attachment of cells to slide.*



“Immunochemicals for Research”

DFA MONO-SPECIFIC CONJUGATES (NOT IN PANVALENT)*

<u>SPECIES</u>	<u>STRAIN</u>	<u>FITC CONJUGATE #</u>	<u>ANTIGEN SUSPENSION #</u>
L. pneumophila SG 1	Pontiac 1	92-099-FL	92-099-H
L. pneumophila SG 15	Lansing 3	92-119-FL	92-119-H
L. steigerwaltii	SC-18-C9	92-135-FL	92-135-H
L. spiritensis	MSH-9	92-137-FL	92-137-H
L. jamestowniensis	JA-26-G1-E2	92-141-FL	92-141-H
L. cherrii	ORW	92-142-FL	92-142-H
L. rubrilucens	WA-270A-C2	92-143-FL	92-143-H
L. erythra	SE-32A-C8	92-144-FL	92-144-H

All FITC Conjugates - 2ml conjugates are in Evans blue counter stain & contain merthiolate as preservative

All Antigen Suspensions - 2ml heat killed antigens are suspended in PBS plus a clear mordant to assist in attachment of cells to slide.



Catalog # 92-701-S

Store at -20° Centigrade - Desiccate if possible.
Prior to staining slide should be gently heat-fixed.

PRODUCT DATASHEET

Legionella heat-killed antigens are prepared from pure cultures grown for 24 hours at 37C in 2.5% CO2 on our modified BCYE media. Cell suspensions are adjusted to give 100-200 cells per 1,000X microscope field. They are in a phosphate buffer with a clear mordant to assist in the attachment of the cells to the slide.

Legionella pneumophila serogroups 1-14 DFA Control Slide (not for IFA testing)

WELL#	SEROGROUP	STRAIN #	PRODUCT #
1	1	Philadelphia 1	92-103-H
2	1	Knoxville 1	92-100-H
3	1	Olda	92-102-H
4	2	Togus 1	92-104-H
5	3	Bloomington 2	92-105-H
6	4	Los Angeles 1	92-107-H
7	4	Portland 1	92-106-H
8	5	Dallas 1	92-109-H
9	5	Cambridge 1	92-108-H
10	6	Chicago 2	92-110-H
11	7	Chicago 8	92-111-H
12	8	Concord 3	92-112-H
13	9	IN-23-G1-C2	92-113-H
14	10	Leiden 1	92-114-H
15	11	797-PA-H	92-115-H
16	12	570-CO-H	92-116-H
17	13	82A3105	92-117-H
18	14	1169-MN-H	92-118-H

**Catalog # 92-731-S**

Store at -20° Centigrade - Desiccate if possible.
 Prior to staining slide should be gently heat-fixed.

PRODUCT DATA SHEET

Legionella heat-killed antigens are prepared from pure cultures grown for 24 hours at 37C in 2.5% CO₂ on our modified BCYE media. Cell suspensions are adjusted to give 100-200 cells per 1,000X microscope field. They are in a phosphate buffer with a clear mordant to assist in the attachment of the cells to the slide.

Legionella Species other than pneumophila. DFA Control Slide (not for IFA testing)

WELL#	SEROGROUP	DESCRIPTION	STRAIN	PRODUCT #
1	1	L. bozemanii	WIGA	92-120-H
2	2	L. bozemanii	Toronto 3	92-121-H
3	1	L. dumoffii	NY-23	92-122-H
4	1	L. gormanii	LS-13	92-123-H
5	1	L. micdadei	TATLOCK	92-124-H
6	1	L. longbeachae	Long Beach 4	92-125-H
7	2	L. longbeachae	Tucker 1	92-126-H
8	1	L. jordanis	BI-540	92-127-H
9	1	L. oakridgensis	Oak Ridge 10	92-128-H
10	1	L. wadsworthii	81-716	92-129-H
11	1	L. feeleii	WO-44C-C3	92-130-H
12	2	L. feeleii	691-WI-H	92-131-H
13	1	L. sainthelensi	Mt. St. Helens 4	92-132-H
14	1	L. anisa	WA-316-C3	92-133-H
15	1	L. santicrucis	SC-63-C7	92-134-H
16	1	L. hackeliae	Lansing 2	92-138-H
17	2	L. hackeliae	798-PA-H	92-139-H
18	1	L. maceachernii	PX-1-G2-E2	92-140-H



“Immunochemicals for Research”

ORDER INFORMATION

To place an order:

TOLL FREE (U.S.): 1-888-683-2414

OUTSIDE U.S: 01-770-521-1960

FAX: 770-521-1930

E-mail: m-tech@mindspring.com

HOURS:

Monday - Friday 9a.m. - 5p.m.EST.

TERMS:

Net 30 from date of shipment. 1½ % interest per month after 30 days.

VISA / MASTERCARD accepted.

NEW ACCOUNTS:

All new accounts will be shipped certified funds or wire transfer until credit is approved.

SHIPPING:

All conjugates and antigens are shipped overnight Monday – Thursday within the United States.

Overseas shipments will be handled on a individual basis.

No shipments will be made on Friday or Saturday.

All shipping and handling charges will be billed per order.

MINIMUM ORDER:

\$ 100.00

RETURNS:

No returns will be accepted without a RMA (return merchandise authorization) number.

WARRANTY:

All products manufactured by m-TECH®/ Monoclonal Technologies, Inc. are warranted as described on the labeling providing the product is stored as directed and used before the expiration date. m-TECH® / Monoclonal Technologies disclaims any implied warranty of fitness for any other purpose and in no way shall m-TECH® / Monoclonal Technologies be held liable for any damages arising out of the aforesaid warranty.

TECHNICAL ASSISTANCE:

Our technicians are available Monday - Friday 9a.m. - 5p.m EST to assist you with any questions you may have concerning m-TECH® products.

Prices are subject to change without notification.

m-TECH® is a registered trademark of Monoclonal Technologies, Inc./ 16335 New Bullpen Road / Milton, GA 30004 / Toll Free (U.S.): 1-888-683-2414 /outside U.S. 770-521-1960 / Fax: 770-521-1930 / e-mail: m-tech@mindspring.com / <http://www.4m-tech.com> / © m-TECH® 1998-2012 all rights reserved



MONOCLONAL TECHNOLOGIES, INC.

CREDIT APPLICATION

PART A

Application date: _____

Company name: _____

Address: _____

City: _____ State _____ Zip code _____

Owner or Director _____

Contact person _____

Phone (____) _____ Fax (____) _____

E-mail (if applicable) _____

Does your business use purchase orders: yes _____ no _____

NOTE: If shipping address is different from billing address please attach shipping information

PART B

If paying by credit card fill in the following information, skip Part C, and complete Part D.

Type of card (please check one)

VISA

MasterCard

Card number _____ Name on card _____

Expiration date _____

PART C

REFERENCES

Name of bank _____ Phone number _____

Account number _____

Please attach three credit references with which you currently do business. Please include their name, address, phone number, and account number.

PART D

The above information is correct and true to my knowledge. I agree to the payment terms set forth by **m-TECH™** and agree to pay for all material specified by invoice.

Company name _____

By _____ TITLE _____ DATE _____

Signature

**FAX TO: 770-521-1930 OR
MAILTO: m-TECH / Monoclonal Technologies, Inc. /
16335 New Bullpen Road / MILTON, GA 30004**