



**FIELD TRIAL CARRIED OUT AT DUKE  
UNIVERSITY MEDICAL CENTRE**

**MONOCLONAL BLOOD GROUPING REAGENT  
ANTI-M (LM1) PRODUCT CODE Z171  
LOT No. Z1710140 EXPIRY DATE: 2006 MAY 06**

**Field Trial Summary Report**

**2.1 General**

The field trial was performed according to the plan, with no deviations reported.

**2.2 Test Methods**

The test methods that were used throughout were as detailed the product instructions for use.

**2.3 Test Samples**

The number samples tested was as detailed in the field trial guidelines agreed between Diagnostics Scotland and DUMC. For Anti-M 100 samples require to be tested. Test samples used in the evaluation included Clinical and Neonatal samples, which had been collected for the purpose of routine blood grouping. No samples were collected specifically for the performance evaluation.

**2.4 Results**

When the test results were compared with the performance of the comparator reagent, Gammaclone Anti-M (MM42-1), which was tested in parallel, no typing discrepancies were identified.

The reagent performed as specified and no unexpected reactions were observed.

**2.5 Conclusion**

It can be concluded from the results of the field trial that the Anti-M reagent, Product Code Z171, performs as specified and is suitable for use as a routine blood typing reagent when used according to the methods detailed in the instructions for use.

## SUMMARY OF RESULTS

### MONOCLONAL BLOOD GROUPING REAGENT ANTI-M (LM1) PRODUCT CODE Z171

Test Reagent Anti-M Lot No. Z1710140 Expiry Date: 2006 MAY 07 (DS).  
Reference Anti-M Lot No. MM42-1 Expiry Date: 2006 APR 05 (Gamma)

A total of 100 samples were tested:

Reagent	Positive results	Negative results
Test Z1710140	81	19
Reference MM42-1	81	19

Types of sample tested:

Sample Type	Number tested
EDTA	100
Clotted	0
CPD	0
Frozen	0
Panel cell	0

Disease State or variant	Number tested
Sickle cell	0
Pregnancy	10
Cord sample	1
Neonate	0
Geriatric >80 years	6
Weak or partial D	0
Disproteinaemia	1
Cold or warm auto agglutinin	0
Other	4 (Multi transfused)

100% correlation was confirmed between Anti-M Lot No. Z1710140 and comparator reagent, Gammaclone Anti-M Lot No. MM42-1.

*Susan Galloway*  
13 Dec 04.

Susan Galloway CSci FIBMS  
Quality Control Manager  
Diagnostics Scotland  
13<sup>th</sup> December 2004.



## **FIELD TRIAL OF DIAGNOSTICS SCOTLAND MONOCLONAL BLOOD GROUPING REAGENTS**

### **TESTING OF DISEASE STATE SAMPLES, INTERFERING SUBSTANCES AND WEAKENED ANTIGEN EXPRESSION**

#### **MONOCLONAL BLOOD GROUPING REAGENT ANTI-M (LM1) PRODUCT CODE Z171**

#### **Field Trial Summary Report**

##### **1.1 General**

The field trial was performed according to plan and no deviations were reported. Where possible ten samples were tested in each category although this was not possible to achieve for all due to lack of patients with the respective conditions.

##### **1.2 Test Methods**

The test methods used throughout were as detailed in the product instructions for use.

##### **1.3 Test Samples**

Test samples used in the evaluation included clinical samples which had been collected for the purpose of routine blood typing. Due to the rarity of some of the specified conditions some frozen red cells were included from patients historically documented as conforming to the disease/interfering substance category.

##### **1.4 Results**

When the test results were compared with the comparator reagent, which was tested in parallel, no typing discrepancies were identified. The reagent performed as specified and no unexpected reactions were obtained.

##### **1.5 Conclusion**

Results from the field trial demonstrate that Monoclonal Anti-M blood typing reagent, product code Z171, performs as specified and is suitable as a routine blood typing reagent when used according to the methods detailed in the instructions for use.

## SUMMARY OF RESULTS

### MONOCLONAL BLOOD GROUPING REAGENT

ANTI-M (LM1) PRODUCT CODE Z171

Test Reagent Anti-M Lot No. Z1710140 (DS)

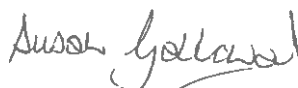
Reference Anti-M Lot No. MM559AX (OCD)

The following samples were tested against both lots of test reagent and the reference reagent:

Condition	Total samples	Positive	Negative
Multiple Myeloma	10	8	2
Macroglobulinaemia	10	8	2
Pregnancy	10	8	2
AIHA	4	4	4
Lymphoma	10	8	2
Leukaemia	10	9	1
Polyagglutinable red cells	4	3	1
DAT Positive	7	6	1
Lipaemic	10	7	3
Haemolysed	10	6	4

100% correlation was confirmed between Anti-M Z1710140 and the reference Anti-M MM559AX.

Further disease state and interfering substances are included in the samples tested at Duke Medical Centre, USA no discrepancies were noted.



20 Dec 04

Susan Galloway CSci FIBMS  
Quality Control Manager  
Diagnostics Scotland