

## **ATTESTATION CE / EC CERTIFICATE**

**Examen CE de la Conception (du produit) / EC Design Examination (of the product)**

**ANNEXE IV point 4 Directive 98/79/CE relative aux dispositifs médicaux de diagnostic in vitro**

*ANNEX IV section 4 DIRECTIVE 98/79/EC concerning in vitro diagnostic medical devices*

**Fabricant / Manufacturer**

**ATLAS MEDICAL GmbH**

**Ludwig-Erhard-Ring 3**

**15827 Blankenfelde-Mahlow GERMANY**

**Catégorie du(des) dispositif(s) / Device(s) category**

**Développement, production, et commercialisation de dispositifs médicaux destinés au diagnostic in vitro.**

**Annexe II liste A : détermination des groupes sanguins.**

*Design, production and sales of medical devices for in vitro diagnostic.*

*Annex II list A : blood grouping determination.*

**Identification du(des) dispositif(s) / Identification of device(s)**

**ATLAS Anti-A, Anti-B, Anti-AB, Anti-D Monoclonal Reagents**

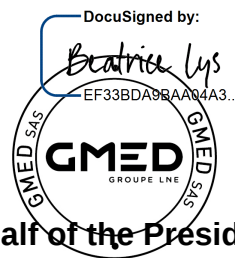
**Voir document complémentaire GMED / See GMED additional document  
n° 39002**

**GMED atteste qu'à l'examen des résultats figurant dans le rapport référencé P605192, le(s) produit(s) énuméré(s) ci-dessus est (sont) conforme(s) aux exigences de l'annexe I de la directive 98/79/CE.**

*GMED certifies that, on the basis of the results contained in the file referenced P605192, the product(s) complie(s) with the requirements of the directive 98/79/EC, annex 1.*

**Début de validité / Effective date : May 13th, 2022 (included)**

**Valable jusqu'au / Expiry date : May 26th, 2025 (included)**



**On behalf of the President  
Béatrice LYS  
Technical Director**

GMED - 33544 rev. 3  
Renouvelle le certificat 33544-2

**GMED • Société par Actions Simplifiée au capital de 300 000 € • Organisme Notifié/Notified Body n° 0459**  
**Siège social : 1, rue Gaston Boissier - 75015 Paris • Tél. : 01 40 43 37 00 • gmed.fr**

Ce document complémentaire GMED n° 39002 rev. 0 atteste de la validité du certificat CE n° 33544 rev. 3 au regard des informations listées ci-dessous.

*This GMED additional document n° 39002 rev. 0 attests to the validity of CE certificate n° 33544 rev. 3 with regard to the information listed below.*

Fabricant / Manufacturer:

**ATLAS MEDICAL GmbH**  
**Ludwig-Erhard-Ring 3**  
**15827 Blankenfelde-Mahlow**  
**GERMANY**

## Identification des dispositifs / Identification of devices

### Annexe II liste A : détermination des groupes sanguins.

*Annex II list A: blood grouping determination.*

Anti-A Monoclonal Reagent, clone 9113D10  
GMDN Code 52532

|                |                                                                            |
|----------------|----------------------------------------------------------------------------|
| 8.02.00.0.0010 | Anti-A Monoclonal Reagent (Titer: 1/512), 10ml/vial, 1 vial/carton Box     |
| 8.02.00.1.0100 | Anti-A Monoclonal Reagent (Titer: 1/512), 10ml/vial. 10 vials/Plastic Pack |
| 8.02.00.1.0180 | Anti-A Monoclonal Reagent (Titer: 1/512), 10ml/vial. 18 vials/carton Box   |

|                |                                                                            |
|----------------|----------------------------------------------------------------------------|
| 8.02.04.0.0010 | Anti-A Monoclonal Reagent (Titer: 1/256), 10ml/vial, 1 Vial/carton Box     |
| 8.02.04.0.0100 | Anti-A Monoclonal Reagent (Titer: 1/256), 10ml/vial, 10 vials/Plastic Pack |

|                |                                                                         |
|----------------|-------------------------------------------------------------------------|
| 8.02.70.0.0010 | Anti-A monoclonal reagent, Titer (1/1024), 10 ml/vial, 1Vial/carton Box |
|----------------|-------------------------------------------------------------------------|

**GMED 0459**

GMED -39002 rev.0



DocuSigned by:

*Beatrice Lys*

On behalf of the President  
**Béatrice LYS**  
Technical Director

**Anti-B Monoclonal Reagent, clone 9621A8**  
**GMDN Code 52538**

|                |                                                                            |
|----------------|----------------------------------------------------------------------------|
| 8.02.01.0.0010 | Anti-B Monoclonal Reagent (Titer: 1/512), 10ml/vial, 1 vial/carton Box     |
| 8.02.01.1.0100 | Anti-B Monoclonal Reagent (Titer: 1/512), 10ml/vial, 10 vials/Plastic Pack |
| 8.02.01.1.0180 | Anti-B Monoclonal Reagent (Titer: 1/512), 10ml/vial, 18 vials/carton Box   |
| 8.02.05.0.0010 | Anti-B Monoclonal Reagent (Titer: 1/256), 10ml/vial, 1vial/carton Box      |
| 8.02.05.0.0100 | Anti-B Monoclonal Reagent (Titer: 1/256), 10ml/vial, 10 vials/Plastic Pack |
| 8.02.71.0.0010 | Anti-B Monoclonal Reagent (Titer: 1/1024), 10 ml/vial, 1 vial/carton Box   |

**Anti-AB Monoclonal Reagent, clones 152D12 + 9113D10**  
**GMDN Code 46442**

|                |                                                                             |
|----------------|-----------------------------------------------------------------------------|
| 8.02.02.0.0010 | Anti-AB Monoclonal Reagent (Titer: 1/512), 10ml/vial, 1 vial/carton Box     |
| 8.02.02.1.0100 | Anti-AB Monoclonal Reagent (Titer: 1/512), 10ml/vial, 10 vials/Plastic Pack |
| 8.02.02.1.0180 | Anti-AB Monoclonal Reagent (Titer: 1/512), 10ml/vial, 18 vials/carton Box   |
| 8.02.06.0.0010 | Anti-AB Monoclonal Reagent (Titer: 1/256), 10ml/vial, 1vial/carton Box      |
| 8.02.06.1.0100 | Anti-AB Monoclonal Reagent (Titer: 1/256), 10ml/vial, 10 vials/Plastic Pack |
| 8.02.06.1.0180 | Anti-AB Monoclonal Reagent (Titer: 1/256), 10ml/vial, 18 vials/carton Box   |
| 8.02.72.0.0010 | Anti-AB Monoclonal Reagent (Titer: 1/1024), 10 ml/vial, 1Vial/carton Box    |

**GMED 0459**

GMED -39002 rev.0



DocuSigned by:

*Beatrice Lys*

**On behalf of the President**  
**Béatrice LYS**  
**Technical Director**

**Anti-D IgG/IgM Monoclonal Reagent**, clones P3X61 + P3X21223B10 + P3X290 + P3X35  
**GMDN Code 52647**

|                |                                                                               |
|----------------|-------------------------------------------------------------------------------|
| 8.02.03.0.0010 | Anti-D IgG/IgM Blend Reagent (Titer: 1/128), 10ml/vial, 1 vial/carton Box     |
| 8.02.03.1.0100 | Anti-D IgG/IgM Blend Reagent (Titer: 1/128), 10ml/vial, 10 vials/Plastic Pack |
| 8.02.03.1.0180 | Anti-D IgG/IgM Blend Reagent (Titer: 1/128), 10ml/vial, 18 vials/carton Box   |
| 8.02.07.0.0010 | Anti-D IgG/IgM Blend Reagent (Titer: 1/64), 10ml/vial, 1Vial/carton Box       |
| 8.02.07.1.0100 | Anti-D IgG/IgM Blend Reagent (Titer: 1/64), 10ml/vial, 10 vials/Plastic Pack  |

|                |                                                                         |
|----------------|-------------------------------------------------------------------------|
| 8.02.85.0.0010 | Anti-D IgG/IgM Blend Reagent (Titer 1/256), 10ml/vial, 1Vial/carton Box |
|----------------|-------------------------------------------------------------------------|

**ABO set**  
**GMDN Code 45308**

|                |                                                                              |
|----------------|------------------------------------------------------------------------------|
| 8.02.05.6.0030 | ABO Set (Anti-A (1/256), Anti-B (1/256), Anti-D (1/64)), 3x10ml/plastic Pack |
|----------------|------------------------------------------------------------------------------|

|                |                                                                                                           |
|----------------|-----------------------------------------------------------------------------------------------------------|
| 8.02.47.0.0030 | ABO Set (Anti-A (1/512), Anti-B (1/512), Anti-D (1/128)), 3x10ml/Plastic Pack                             |
| 8.02.47.1.0030 | ABO Set (Anti-A (1/256), Anti-B (1/256), Anti-D (1/64)), 3x10ml/carton Box.                               |
| 8.02.47.3.0030 | ABO Set (Anti-A (1/256), Anti-B (1/256), Anti-D (1/64)), 3x10ml/ Plastic Pack                             |
| 8.02.47.5.0030 | ABO Set (Anti-A (1/256), Anti-B (1/256), Anti-D (1/128)), 3x10ml/Plastic Pack                             |
| 8.02.49.0.0040 | ABO Set (Anti-A (1/256), Anti-B (1/256), Anti-AB (1/256), Anti-D (1/64)), 4x10ml/carton Box               |
| 8.02.49.2.0040 | ABO Set (Anti-A (1/256), Anti-B (1/256), Anti-AB (1/256), Anti-D (1/128)), 4 x 10ml, 4 vials/Plastic Pack |
| 8.02.53.0.0040 | ABO Set (Anti-A (1/512), Anti-B (1/512), Anti-AB (1/512) Anti-D (1/128)), 4x10ml/Plastic Pack             |
| 8.02.53.1.0040 | ABO Set (Anti-A (1/512), Anti-B (1/512), Anti-AB (1/512) Anti-D (1/128)), 4x10ml, 4vials/Plastic Pack     |

**ABO set**  
**GMDN Code 52695**

|                |                                                              |
|----------------|--------------------------------------------------------------|
| 8.02.05.7.0020 | ABO Set: Anti-A (1/256), Anti-B (1/256), 2x10ml/Plastic Pack |
|----------------|--------------------------------------------------------------|

**GMED 0459**

GMED -39002 rev.0



DocuSigned by:

*Beatrice Lys*

On behalf of the President  
**Béatrice LYS**  
Technical Director

## **ATTESTATION CE / EC CERTIFICATE**

**Approbation du Système Complet d'Assurance Qualité / Approval full Quality Assurance System**

**Annexe IV excluant les points 4 et 6 Directive 98/79/CE relative aux dispositifs médicaux de diagnostic in vitro**

*Annex IV excluding sections 4 & 6 Directive 98/79/EC concerning in vitro diagnostic medical devices*

**Pour les dispositifs de la liste A IVD, un certificat CE de la conception est requis**

**For list A IVD devices, a EC design certificate is required**

**Fabricant / Manufacturer**

**ATLAS MEDICAL GmbH**

**Ludwig-Erhard-Ring 3**

**15827 Blankenfelde-Mahlow GERMANY**

**Catégorie du(des) dispositif(s) / Device(s) category**

**Annexe II liste A : Détermination des groupes sanguins : système ABO et rhésus D.**

*Annex II list A : Blood grouping determination : ABO system and rhesus D.*

Voir document complémentaire GMED / See GMED additional document

**n° 39019**

**GMED atteste qu'à l'examen des résultats figurant dans le rapport référencé P601408 - P605890, le système d'assurance qualité - pour la conception, la production et le contrôle final - des dispositifs médicaux énumérés ci-dessus est conforme aux exigences de l'annexe IV excluant les points 4 et 6 de la Directive 98/79/CE.**

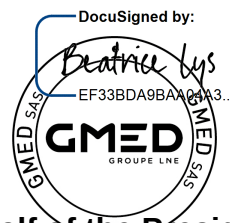
*GMED certifies that, on the basis of the results contained in the file referenced P601408 - P605890, the quality system - for design, manufacturing, and final inspection - of medical devices listed here above complies with the requirements of the Directive 98/79/EC, annex IV excluding sections 4 & 6.*

La validité du présent certificat est soumise à une vérification périodique ou imprévue

The validity of the certificate is subject to periodic or unexpected verification

**Début de validité / Effective date : May 19th, 2022 (included)**

**Valable jusqu'au / Expiry date : May 26th, 2025 (included)**



**On behalf of the President**  
**Béatrice LYS**  
**Technical Director**

Ce document complémentaire GMED n° 39019 rev. 0 atteste de la validité du certificat CE n° 33540 rev. 4 au regard des informations listées ci-dessous.

*This GMED additional document n° 39019 rev. 0 attests to the validity of CE certificate n° 33540 rev. 4 with regard to the information listed below.*

Fabricant / Manufacturer:

**ATLAS MEDICAL GmbH**  
**Ludwig-Erhard-Ring 3**  
**15827 Blankenfelde-Mahlow**  
**GERMANY**

### Identification des dispositifs / Identification of devices

**Annexe II liste A : détermination des groupes sanguins : Système ABO et rhésus D.**

*Annex II list A: blood grouping determination: ABO system and rhesus D.*

#### Anti-A Monoclonal Reagent, clone 9113D10

|                |                                                                            |
|----------------|----------------------------------------------------------------------------|
| 8.02.00.0.0010 | Anti-A Monoclonal Reagent (Titer: 1/512), 10ml/vial, 1 vial/carton Box     |
| 8.02.00.1.0100 | Anti-A Monoclonal Reagent (Titer: 1/512), 10ml/vial. 10 vials/Plastic Pack |
| 8.02.00.1.0180 | Anti-A Monoclonal Reagent (Titer: 1/512), 10ml/vial. 18 vials/carton Box   |

|                |                                                                            |
|----------------|----------------------------------------------------------------------------|
| 8.02.04.0.0010 | Anti-A Monoclonal Reagent (Titer: 1/256), 10ml/vial, 1 Vial/carton Box     |
| 8.02.04.0.0100 | Anti-A Monoclonal Reagent (Titer: 1/256), 10ml/vial, 10 vials/Plastic Pack |

|                |                                                                         |
|----------------|-------------------------------------------------------------------------|
| 8.02.70.0.0010 | Anti-A monoclonal reagent, Titer (1/1024), 10 ml/vial, 1Vial/carton Box |
|----------------|-------------------------------------------------------------------------|

**GMED 0459**

GMED -39019 rev.0



Signed by:

*Beatrice Lys*

**On behalf of the President**  
**Béatrice LYS**  
**Technical Director**

**Anti-B Monoclonal Reagent, clone 9621A8**

|                |                                                                            |
|----------------|----------------------------------------------------------------------------|
| 8.02.01.0.0010 | Anti-B Monoclonal Reagent (Titer: 1/512), 10ml/vial, 1 vial/carton Box     |
| 8.02.01.1.0100 | Anti-B Monoclonal Reagent (Titer: 1/512), 10ml/vial, 10 vials/Plastic Pack |
| 8.02.01.1.0180 | Anti-B Monoclonal Reagent (Titer: 1/512), 10ml/vial, 18 vials/carton Box   |
| 8.02.05.0.0010 | Anti-B Monoclonal Reagent (Titer: 1/256), 10ml/vial, 1vial/carton Box      |
| 8.02.05.0.0100 | Anti-B Monoclonal Reagent (Titer: 1/256), 10ml/vial, 10 vials/Plastic Pack |
| 8.02.71.0.0010 | Anti-B Monoclonal Reagent (Titer: 1/1024), 10 ml/vial, 1 vial/carton Box   |

**Anti-AB Monoclonal Reagent, clones 152D12 + 9113D10**

|                |                                                                             |
|----------------|-----------------------------------------------------------------------------|
| 8.02.02.0.0010 | Anti-AB Monoclonal Reagent (Titer: 1/512), 10ml/vial, 1 vial/carton Box     |
| 8.02.02.1.0100 | Anti-AB Monoclonal Reagent (Titer: 1/512), 10ml/vial, 10 vials/Plastic Pack |
| 8.02.02.1.0180 | Anti-AB Monoclonal Reagent (Titer: 1/512), 10ml/vial, 18 vials/carton Box   |
| 8.02.06.0.0010 | Anti-AB Monoclonal Reagent (Titer: 1/256), 10ml/vial, 1vial/carton Box      |
| 8.02.06.1.0100 | Anti-AB Monoclonal Reagent (Titer: 1/256), 10ml/vial, 10 vials/Plastic Pack |
| 8.02.06.1.0180 | Anti-AB Monoclonal Reagent (Titer: 1/256), 10ml/vial, 18 vials/carton Box   |
| 8.02.72.0.0010 | Anti-AB Monoclonal Reagent (Titer: 1/1024), 10 ml/vial, 1Vial/carton Box    |

**Anti-D IgG/IgM Monoclonal Reagent, clones P3X61 + P3X21223B10 + P3X290 + P3X35**

|                |                                                                               |
|----------------|-------------------------------------------------------------------------------|
| 8.02.03.0.0010 | Anti-D IgG/IgM Blend Reagent (Titer: 1/128), 10ml/vial, 1 vial/carton Box     |
| 8.02.03.1.0100 | Anti-D IgG/IgM Blend Reagent (Titer: 1/128), 10ml/vial, 10 vials/Plastic Pack |
| 8.02.03.1.0180 | Anti-D IgG/IgM Blend Reagent (Titer: 1/128), 10ml/vial, 18 vials/carton Box   |
| 8.02.07.0.0010 | Anti-D IgG/IgM Blend Reagent (Titer: 1/64), 10ml/vial, 1Vial/carton Box       |
| 8.02.07.1.0100 | Anti-D IgG/IgM Blend Reagent (Titer: 1/64), 10ml/vial, 10 vials/Plastic Pack  |
| 8.02.85.0.0010 | Anti-D IgG/IgM Blend Reagent (Titer 1/256), 10ml/vial, 1Vial/carton Box       |

**GMED 0459**

GMED -39019 rev.0



On behalf of the President  
**Béatrice LYS**  
**Technical Director**

## ABO set

|                |                                                                              |
|----------------|------------------------------------------------------------------------------|
| 8.02.05.6.0030 | ABO Set (Anti-A (1/256), Anti-B (1/256), Anti-D (1/64)), 3x10ml/plastic Pack |
| 8.02.05.7.0020 | ABO Set: Anti-A (1/256), Anti-B (1/256), 2x10ml/Plastic Pack                 |

|                |                                                                                                           |
|----------------|-----------------------------------------------------------------------------------------------------------|
| 8.02.47.0.0030 | ABO Set (Anti-A (1/512), Anti-B (1/512), Anti-D (1/128)), 3x10ml/Plastic Pack                             |
| 8.02.47.1.0030 | ABO Set (Anti-A (1/256), Anti-B (1/256), Anti-D (1/64)), 3x10ml/carton Box.                               |
| 8.02.47.3.0030 | ABO Set (Anti-A (1/256), Anti-B (1/256), Anti-D (1/64)), 3x10ml/ Plastic Pack                             |
| 8.02.47.5.0030 | ABO Set (Anti-A (1/256), Anti-B (1/256), Anti-D (1/128)), 3x10ml/Plastic Pack                             |
| 8.02.49.0.0040 | ABO Set (Anti-A (1/256), Anti-B (1/256), Anti-AB (1/256), Anti-D (1/64)), 4x10ml/carton Box               |
| 8.02.49.2.0040 | ABO Set (Anti-A (1/256), Anti-B (1/256), Anti-AB (1/256), Anti-D (1/128)), 4 x 10ml, 4 vials/Plastic Pack |
| 8.02.53.0.0040 | ABO Set (Anti-A (1/512), Anti-B (1/512), Anti-AB (1/512) Anti-D (1/128)), 4x10ml/Plastic Pack             |
| 8.02.53.1.0040 | ABO Set (Anti-A (1/512), Anti-B (1/512), Anti-AB (1/512) Anti-D (1/128)), 4x10ml, 4vials/Plastic Pack     |

## Sites couverts et Activités / Locations and Activities

- ✚ **Sahab Industrial Zone Area, king Abdullah II Industrial City, Amman 11512, JORDAN:**  
Conception, fabrication et contrôle final / Design, manufacture and final control
- ✚ **Ludwig-Erhard-Ring 3 - 15827 Blankenfelde-Mahlow - GERMANY:**  
Siège social, responsable de la mise sur le marché / Headquarter, legal manufacturer

**GMED 0459**

GMED -39019 rev.0



Doc Signed by:

*Beatrice Lys*

On behalf of the President  
**Béatrice LYS**  
Technical Director

**CE Declaration of Conformity**

We,  
**Atlas Medical GmbH**  
Head office: Ludwig-Erhard-Ring 3  
15827 Blankenfelde-Mahlow Germany  
Tel: +49(0)33708355030  
Email: info@atlas-site.com

Middle East Site: : Sahab Industrial Zone Area, King Abdullah II Industrial City  
Amman 11512, Jordan  
Tel.: +962 6 4026468  
Fax: +962 6 4022588  
Email: [info@atlas-medical.com](mailto:info@atlas-medical.com)

Declare our responsibility that the following product:

**Blood Grouping Reagents:**  
(Anti-A Monoclonal Reagent, Anti-B Monoclonal Reagent , Anti-AB Monoclonal Reagent and  
Anti-D IgG/IgG blend Reagent)  
see the attached list of variants

That are classified as Annex II, list A

Is produced under Atlas quality system (ISO13485: 2016) supported by GMED certificate and  
complies with the essential requirements of

**In Vitro Diagnostic Medical Devices Directive 98/79/EC**

And

EN ISO 18113-1, -2 :2011, EN ISO 15223:2016  
EN ISO 14971:2019, EN ISO 23640 :2015 , ISO 2859 :2017,  
EN 13612:2002, EN 13641:2002 , EN 13975:2003,  
EN ISO 13485:2016, EN 62366-1:2020

And

Intended for In-Vitro Professional use only.

**Conformity Assessment Route:**

Annex IV.3 –Approval full Quality Assurance System.

Annex IV.4-EC Design Examination (of the product)

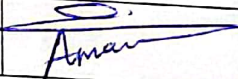
**Notified Body:**

|       |    |      |
|-------|----|------|
| G-MED | CE | 0459 |
|-------|----|------|

GMED, Laboratoire national de métrologie et d'essais  
1 rue Gaston Boissier 75015 Paris  
Tél. : 01 40 43 37 00 , TVA:FR 28 839 022 522

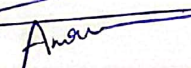
**EC Certificates No.:**

- CE Certificate of Approval full Quality Assurance System: 33540 rev4.
- CE Certificate Of EC Design Examination: 33544 rev3.

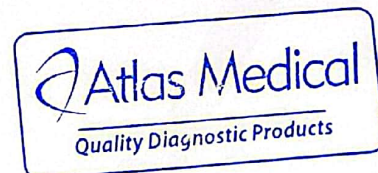
|                          |                               |                           |                                   |                                                                                       |                           |
|--------------------------|-------------------------------|---------------------------|-----------------------------------|---------------------------------------------------------------------------------------|---------------------------|
| Atlas<br>Medical<br>GmbH | Start of CE Marking           | Date of expiry            | Name & Position                   | Signature                                                                             | MRXDO10F.11<br>21.10.2013 |
|                          | 09 <sup>th</sup> october 2017 | 26 <sup>th</sup> May 2025 | Amani Al-hababbeh<br>(RA Manager) |  |                           |



| Product Code   | Product Name                                                                    | GMDN Code |
|----------------|---------------------------------------------------------------------------------|-----------|
| 8.02.00.0.0010 | Anti-A Monoclonal Reagent (Titer: 1/512), 10ml/vial, 1 vial/Carton Box          | 52532     |
| 8.02.00.1.0100 | Anti-A Monoclonal Reagent (Titer: 1/512), 10ml/vial. 10 vials / Plastic Pack    | 52532     |
| 8.02.00.1.0180 | Anti-A Monoclonal Reagent (Titer: 1/512), 10ml/vial. 18 vials / Carton Box      | 52532     |
| 8.02.01.0.0010 | Anti-B Monoclonal Reagent (Titer: 1/512), 10ml/vial, / Carton Box               | 52538     |
| 8.02.01.1.0100 | Anti-B Monoclonal Reagent (Titer: 1/512), 10ml/vial, 10 vials / Plastic Pack    | 52538     |
| 8.02.01.1.0180 | Anti-B Monoclonal Reagent (Titer: 1/512), 10ml/vial, 18 vials / Carton Box      | 52538     |
| 8.02.02.0.0010 | Anti-AB Monoclonal Reagent (Titer: 1/512), 10ml/vial, 1 vial/ Carton Box        | 46442     |
| 8.02.02.1.0100 | Anti-AB Monoclonal Reagent (Titer: 1/512), 10ml/vial, 10 vials/Plastic Pack     | 46442     |
| 8.02.02.1.0180 | Anti-AB Monoclonal Reagent (Titer: 1/512), 10ml/vial, 18 vials/Carton Box       | 46442     |
| 8.02.03.0.0010 | Anti-D IgG/IgM Blend Reagent (Titer: 1/128), 10ml/vial, 1 vial/ Carton Box      | 52647     |
| 8.02.03.1.0100 | Anti-D IgG/IgM Blend Reagent (Titer: 1/128), 10ml/vial, 10 vials / Plastic Pack | 52647     |
| 8.02.03.1.0180 | Anti-D IgG/IgM Blend Reagent (Titer: 1/128), 10ml/vial, 18 vials / Carton Box   | 52647     |
| 8.02.04.0.0010 | Anti-A Monoclonal Reagent (Titer: 1/256), 10ml/vial, 1 Vial/Carton Box          | 52532     |
| 8.02.04.0.0100 | Anti-A Monoclonal Reagent (Titer: 1/256), 10ml/vial, 10 vials / Plastic Pack    | 52532     |
| 8.02.05.0.0010 | Anti-B Monoclonal Reagent (Titer: 1/256), 10ml/vial, 1vial/Carton Box           | 52538     |
| 8.02.05.0.0100 | Anti-B Monoclonal Reagent (Titer: 1/256), 10ml/vial, 10 vials /Plastic Pack     | 52538     |
| 8.02.05.6.0030 | ABO Set (Anti-A (1/256), Anti-B (1/256), Anti-D (1/64)),3x10ml / plastic Pack   | 45308     |
| 8.02.05.7.0020 | ABO Set: Anti-A (1/256), Anti-B (1/256), 2x10ml /Plastic Pack                   | 52695     |
| 8.02.06.0.0010 | Anti-AB Monoclonal Reagent (Titer: 1/256), 10ml/vial, 1vial/Carton Box          | 46442     |
| 8.02.06.1.0100 | Anti-AB Monoclonal Reagent (Titer: 1/256), 10ml/vial,10 vials /Plastic Pack     | 46442     |
| 8.02.06.1.0180 | Anti-AB Monoclonal Reagent (Titer: 1/256), 10ml/vial,18 vials / Carton Box      | 45308     |
| 8.02.07.0.0010 | Anti-D IgG/IgM Blend Reagent (Titer: 1/64), 10ml/vial, 1Vial/ Carton Box        | 52647     |
| 8.02.07.1.0100 | Anti-D IgG/IgM Blend Reagent (Titer: 1/64), 10ml/vial, 10 vials / Plastic Pack  | 52647     |

|                           |                               |                           |                                   |                                                                                       |                                   |
|---------------------------|-------------------------------|---------------------------|-----------------------------------|---------------------------------------------------------------------------------------|-----------------------------------|
| <b>Atlas Medical GmbH</b> | <b>Start of CE Marking</b>    | <b>Date of expiry</b>     | <b>Name &amp; Position</b>        | <b>Signature</b>                                                                      | <b>MRXDO10F.11<br/>21.10.2013</b> |
|                           | 09 <sup>th</sup> october 2017 | 26 <sup>th</sup> May 2025 | Amani Al-hababbeh<br>(RA Manager) |  |                                   |

|                |                                                                                                           |       |
|----------------|-----------------------------------------------------------------------------------------------------------|-------|
| 8.02.47.0.0030 | ABO Set (Anti-A (1/512), Anti-B (1/512), Anti-D (1/128)), 3x10ml/Plastic Pack                             | 45308 |
| 8.02.47.1.0030 | ABO Set (Anti-A (1/256), Anti-B (1/256), Anti-D (1/64)), 3x10ml /Carton Box.                              | 45308 |
| 8.02.47.3.0030 | ABO Set (Anti-A (1/256), Anti-B (1/256), Anti-D (1/64)), 3x10ml /Plastic Pack                             | 45308 |
| 8.02.47.5.0030 | ABO Set (Anti-A (1/256), Anti-B (1/256), Anti-D (1/128)), 3x10ml/Plastic Pack                             | 45308 |
| 8.02.49.0.0040 | ABO Set (Anti-A (1/256), Anti-B (1/256), Anti-AB (1/256), Anti-D (1/64)), 4x10ml/Carton Box               | 45308 |
| 8.02.49.2.0040 | ABO Set (Anti-A (1/256), Anti-B (1/256), Anti-AB (1/256), Anti-D (1/128)), 4 x 10ml, 4 vials/Plastic Pack | 45308 |
| 8.02.53.0.0040 | ABO Set (Anti-A (1/512), Anti-B (1/512), Anti-AB (1/512) Anti-D (1/128)), 4x10ml/Plastic Pack             | 45308 |
| 8.02.53.1.0040 | ABO Set (Anti-A (1/512), Anti-B (1/512), Anti-AB (1/512) Anti-D (1/128)), 4x10ml, 4vials/Plastic Pack     | 45308 |
| 8.02.70.0.0010 | Anti-A monoclonal reagent , Titer (1/1024), 10 ml/vial, 1Vial/ Carton Box                                 | 52532 |
| 8.02.71.0.0010 | Anti-B Monoclonal reagent (Titer: 1/1024) , 10 ml/vial ,1Vial/ Carton Box                                 | 52538 |
| 8.02.72.0.0010 | Anti-AB Monoclonal reagent (Titer: 1/1024) , 10 ml/vial , 1Vial/ Carton Box                               | 45308 |
| 8.02.85.0.0010 | Anti-D IgG/IgM Blend Reagent , Titer 1/256, 10ml/vial, 1Vial/ Carton Box                                  | 52647 |



| Atlas Medical GmbH | Start of CE Marking           | Date of expiry            | Name & Position                | Signature                                                                             | MRXDO10F.11 |
|--------------------|-------------------------------|---------------------------|--------------------------------|---------------------------------------------------------------------------------------|-------------|
|                    | 09 <sup>th</sup> october 2017 | 26 <sup>th</sup> May 2025 | Amani Al-habahbeh (RA Manager) |  | 21.10.2013  |

**GMED certifie que le système de management de la qualité développé par**  
*GMED certifies that the quality management system developed by*

**ATLAS MEDICAL GmbH**  
**Ludwig-Erhard-Ring 3**  
**15827 Blankenfelde-Mahlow GERMANY**

**pour les activités**  
*for the activities*

**Conception et développement, fabrication et vente de dispositifs médicaux de diagnostic in vitro .**

*Design and Development, Manufacturing and Sales of in vitro diagnostic medical devices.*

**réalisées sur le(s) site(s) de**  
*performed on the location(s) of*

**Voir addendum**

*See addendum*

**est conforme aux exigences des normes internationales**  
*complies with the requirements of the international standards*

**ISO 13485: 2016**

**Début de validité / Effective date October 9th, 2020 (included)**

**Valable jusqu'au / Expiry date : October 8th, 2023 (included)**

**Etabli le / Issued on : October 8th, 2020**

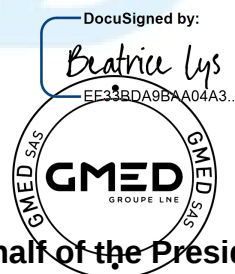


**CERTIFICATION  
DE SYSTEMES  
DE MANAGEMENT**  
Accréditation n°4-0608  
Liste des sites accrédités  
et portée disponible sur  
[www.cofrac.fr](http://www.cofrac.fr)

GMED N° 36655-1

Ce certificat est délivré selon les règles de certification GMED / This certificate is issued according to the rules of GMED certification

Renouvelle le certificat 36655-0



**On behalf of the President**  
**Béatrice LYS**  
**Technical Director**

**Ce certificat couvre les activités et les sites suivants :**  
*This certificate covers the following activities and sites:*

**French version :**

**Conception et développement, fabrication et vente de dispositifs médicaux de diagnostic *in vitro* à usage professionnel et/ ou d'autodiagnostic, dans les domaines du groupage sanguin, de la microbiologie, de la biochimie, de la toxicologie, de l'oncologie, de la cardiologie, de l'histologie, de l'endocrinologie et des maladies infectieuses, dans les techniques d'Agglutination/ ELISA/ Tests rapides/ Colorimétrie/ Disques antibiotiques.**

**English version:**

**Design and Development, Manufacturing and Sales of *in vitro* diagnostic medical devices for professional use and/or for self-testing, in the field of Immunohematology, Microbiology, Biochemistry, Toxicology, Oncology, Cardiology, Histology, Endocrinology Biosensors and Infectious diseases, in techniques of Agglutination/ ELISA/ Rapid tests/ Colorimetry/Antibiotic disks.**

**ATLAS MEDICAL GmbH  
Ludwig-Erhard-Ring 3  
15827 Blankenfelde-Mahlow  
GERMANY**

French version:

**Siège social, responsable de la mise sur le marché**

English version:

*Headquarter, legal manufacturer*

\*\*\*\*\*

**Sahab Industrial Zone Area  
King Abdullah II Industrial City  
Amman 11512  
JORDAN**

French version:

**Conception, fabrication et contrôle final**

English version:

*Design, manufacture and final control*

\*\*\*\*\*

**William James House  
Cowley Road,  
Cambridge, CB OWX  
United Kingdom**

French version:

**Contact réglementaire**

English version:

*Regulatory Administration*

\*\*\*\*\*

**3 sites / 3 sites**

DocuSigned by:

*Beatrice Lys*  
EF33BDA9BAA04A3...  


**On behalf of the President  
Béatrice LYS  
Technical Director**

## STATEMENT

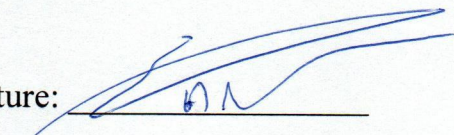
We, ATLAS MEDICAL having a registered office at Ludwig-Erhard-Ring 3 15827 Blankenfelde-Mahlow, Berlin, Germany assign SRL SANMEDICO having a registered office at A. Corobceanu street 7A, apt. 9, Chişinău MD-2012, Moldova , as authorized representative in correspondence with the conditions of directive 98/79/EEC.

We declare that the company mentioned above is authorized to register, notify, renew or modify the registration of medical devices on the territory of the Republic of Moldova.

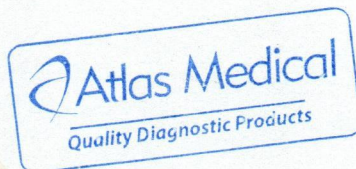
On behalf of manufacturer:-

General Manager

Haya Amawi

Signature: 

Date: 15.01.2022



---

Atlas Medical: Ludwig-Erhard-Ring 3, 15827 Blankenfelde-Mahlow, Germany. Tel: +49 33 70 83 55 030

Regulatory Office: William James House, Cowley Road, Cambridge, CB4 0WX, UK. Tel: +44 1223 858 910

Middle East Site : King Abdullah the Second Industrial Estate, Street 19, Sahab Free Zone Area, P.O. Box: 204, Amman 11512, Jordan

# Atlas Blood Grouping Reagents



## Product Range:

- Anti-A, Anti-B, Anti-AB Monoclonal.
- Anti-D IgG & IgM blend.
- Anti-Human Globulin (AHG) poly-specific.
- Bovine Albumin 22% & 30%.
- Other rare antisera.

All reagents are also available in bulk OEM/private label format.

## Blood Grouping Reagents:

### Anti-A Monoclonal Reagent, Anti-B Monoclonal Reagent, Anti-AB Monoclonal Reagent, Anti-D IgG/IgM blend Reagent, & Their variants

### SLIDE AND TUBE TESTS

**IVD** For In-Vitro and professional use only

2°C  8°C  
Store at 2- 8°C

#### INTENDED USE

The blood grouping reagents are used to detect the presence or absence of A, B or Rhesus Antigens on the surface of human red blood cells based on hemagglutination using slide or tube test techniques in whole blood samples or anticoagulant blood samples collected in EDTA, citrate or heparin tubes.

#### INTRODUCTION & PRINCIPLES

Blood grouping reagents are prepared from In-Vitro culture supernatants of hybridized immunoglobulin-secreting mouse cell lines. The reagents are diluted with phosphate buffer containing sodium chloride, EDTA and bovine albumin to give reagents that are optimized for use in tube and slide procedures. **Anti-A monoclonal reagent is colored with acid blue (patent blue) dye, Anti-B monoclonal reagent is colored with acid yellow (tartrazine) dye, and Anti-AB monoclonal reagent is not colored.** The test procedure is based on hemagglutination principle, where red cells possessing the antigen agglutinate in the presence of the corresponding antibody indicating that the result is positive. The test is considered negative when no agglutination appears.

Anti-D IgG/IgM blend reagent is prepared from carefully blended human monoclonal IgM and IgG. Anti-D IgG/IgM blend reagent is suitable for slide and tube test procedures. The reagent will directly agglutinate Rh D positive cells, including majority of variants (but not D<sup>vi</sup>) and a high proportion of weak D (Du) phenotypes. The reagent will agglutinate category D<sup>vi</sup> and low grade weak D (D<sup>u</sup>) phenotypes by the indirect anti-globulin techniques.

Anti-D IgG/IgM blend reagent is diluted with a sodium chloride solution, sodium phosphate solution and bovine albumin (sodium caprylate free). Anti-D IgG/IgM blend reagent is not colored. The procedure is based on hemagglutination principle, where red cells' possessing the antigen agglutinates in the presence of the corresponding antibody in the reagent indicating that the result is positive. The test is considered negative when no agglutination appears.

#### MATERIALS

##### MATERIALS PROVIDED

##### Blood Grouping Reagents:

- Anti-A monoclonal reagent (10 ml/vial), Clone: (9113D10).
- Anti-B monoclonal reagent (10 ml/vial), Clone: (9621A8).
- Anti-AB monoclonal reagent (10ml/vial), Clone: (152D12+9113D10).
- Anti-D IgG/IgM Blend reagent (10 ml/vial), Clone: (P3X61 + P3X21223B10 + P3X290 + P3X35).

##### MATERIALS NEEDED BUT NOT PROVIDED

- Plastic test tube or glass.
- Isotonic saline solution (% 0.9) NaCl).
- Applicator sticks.
- Centrifuge (100-1200 (g) for tube test).
- Timer.
- Incubator
- Anti-Human Globulin Reagent (can be ordered from Atlas Medical).
- White or transparent glass slide.

#### PRECAUTIONS

- The reagents are intended for in vitro diagnostic use only.
- The test is for well trained professional healthy user not for lay user.
- These reagents are derived from animal and human sources, thus, appropriate care must be taken in the use and disposal of these reagents, as there are no known test methods that can guarantee absence of infectious agents.
- Do not use reagents if it is turbid or contain particles as this may indicate reagent deterioration or contamination.
- Protective clothing should be worn when handling the reagents.
- **The reagents contain (0.1-0.2%) Sodium Azide and 0.02% sodium arseniate which is toxic and can be absorbed through the skin. When drained, the drains should be thoroughly flushed with water.**
- The reagents should be used as supplied and in accordance to the procedure mentioned below. Don't use beyond expiration date.
- Avoid cross contamination of reagents or specimens.
- Visible signs of microbial growth in any reagent may indicate degradation and the use of such reagent should be discontinued.

- Don't use these reagents if the label is not available or damaged.
- Do not use dark glass slide.
- Don't use the kit if damaged or the glass vials are broken or leaking and discard the contents immediately.
- Test materials and samples should be discarded properly in a biohazard container.
- Wash hands and the test table top with water and soap once the testing is done.
- Hemolysed blood sample should not be used for testing.
- The test should be performed at room temperature in a well lit area with very good visibility.
- Failure to follow the procedure in this package insert may give false results or safety hazard.
- Close the vial tightly after each test.
- The reagent is considered toxic, so don't drink or eat beside it.
- If spillage of reagent occurs clean with disinfectant (disinfectant used could be irritable so handle with care).

#### STORAGE CONDITIONS

- The reagents should be stored refrigerated between 2 - 8°C.
- Never Freeze or expose to elevated temperature.
- The reagent is stable until the expiry date stated on the product label. Do not use the reagents past the expiry date.

#### REAGENT PREPARATION

- The reagents are intended for use as supplied, no prior preparation or dilution of the reagent is required.
- All reagents should be brought to room temperature before use.

#### SPECIMEN COLLECTION AND PREPARATION

- Blood collected with or without anticoagulant (EDTA, Heparin or Citrate) can be used for Antigen typing.

**Note:** Blood collected without anticoagulant should be tested immediately.

- The specimens should be tested as soon as possible after collection. If testing is delayed, the specimens should be stored at 2- 8 °C. Sample must be retained to room temperature prior to analysis. (Testing should be carried out within five days of collections).
- Insure that there is no sign of hemolysis.
- At the time of the test, centrifuge the blood sample at 1200 RCF for 3 minutes.
- Blood collection is to be done with great care.

#### PROCEDURES

##### A. DIRECT TUBE METHOD AT ROOM TEMPERATURE

1. Prepare a 5% suspension of red blood cells in isotonic solution.
2. Using the vial dropper, transfer a drop (40±10µl) of each reagent into a separate and appropriately marked tube.
3. Add 50 µl of red blood cell suspension prepared in step 1.
4. Shake to homogenize the mixture, then centrifuge at 500g for **1 minute**.
5. Gently shake the tube in such a way to detach the cell pellet and macroscopically observe for any possible agglutination.
6. Read the reaction immediately.
7. For Anti-D tube, if the reaction is weak or negative, shake the tubes and incubate at 37°C for **15 minutes**.
8. Wash the red blood cells twice with isotonic saline solution (NaCl 0.9%) and discard the last washing liquid.
9. Add one drop (50µl) of the AHG reagent into the tube. Mix and centrifuge at 120g for **1 minute**.
10. Gently shake the tube in such a way to detach the cell pellet and macroscopically observe for any possible agglutination.
11. Read the reaction immediately.

##### B. ANTIGLOBULIN INDIRECT METHOD for ANTI-D

1. After immediately centrifuging and reading as above, if the reaction is weak or negative, shake the tubes and incubate at 37°C for 15 minutes.
2. Wash the red blood cells twice with isotonic saline solution (NaCl 0.9%) and discard the last washing liquid.
3. Add one drop (40 µl ± 10 µl) of ANTI-HUMAN GLOBULIN to the tube. Mix and centrifuge at 120 (g) for **1 minute**.
4. Gently shake the tube in such a way to detach the cell pellet and macroscopically observe for any possible agglutination.
5. Read the reaction immediately.

##### C. DIRECT SLIDE METHOD AT ROOM TEMPERATURE

1. Bring reagents and samples to room temperature (18-25°C).
2. Using the wax pen divide the slide into appropriate numbers of divisions.
3. Using the provided dropper, place one drop (40 µl ± 10 µl) of each reagent onto its correspondent division on the slide.
4. Add 25µl of the precipitated cells next to each drop of reagents.
5. Mix the reagent and the cells using a clean stirring stick over an area with a diameter of approximately 20-40mm.
6. Incubate the slide at room temperature (18-25°C) without stirring for **30 seconds**.
7. Hold the slide and gently rock the slide for **3 minutes** and observe macroscopically for any agglutination.
8. Read the reaction immediately.

**READING THE RESULT**  
**POSITIVE:** If Agglutination appears.  
**NEGATIVE:** If no agglutination is observed.  
Use the below table to determine the blood group:

| Result of each reaction   |                           |                            |                              | ABO Group |
|---------------------------|---------------------------|----------------------------|------------------------------|-----------|
| Anti-A monoclonal reagent | Anti-B monoclonal reagent | Anti-AB monoclonal reagent | Anti-D IgG/IgM blend reagent |           |
| +                         | -                         | +                          | +                            | A+        |
| +                         | -                         | +                          | -                            | A-        |
| -                         | +                         | +                          | +                            | B+        |
| -                         | +                         | +                          | -                            | B-        |
| +                         | +                         | +                          | +                            | AB+       |
| +                         | +                         | +                          | -                            | AB-       |
| -                         | -                         | -                          | +                            | O+        |
| -                         | -                         | -                          | -                            | O-        |

- STABILITY OF THE REACTIONS**
- ABO Blood Grouping Tube tests should be read immediately following centrifugation.
  - Slide tests should be interpreted within three minutes to avoid the possibility that a negative result may be incorrectly interpreted as positive due to drying of reagents.
  - Delay in reading and interpreting results may result in weekly positive or falsely negative reactions. Slide tests should be interpreted at the end of the three minutes.

- PROCEDURE LIMITATION**
1. False positive/ negative results may occur due to:
    - Contamination from test materials.
    - Improper storage, cells concentration, incubation time or temperature.
    - Improper or excessive centrifugation.
    - Deviation from the recommended technique.
    - Blood samples of weak A or B subgroups may give rise to false negative results or weak reactions when tested using slide test method. It is advisable to re-test weak subgroups using tube test method.
  2. Weaker reactions may be observed with stored blood than with fresh blood.
  3. ABO antigens are not fully developed at birth, weaker reactions may therefore occur with cord or neonatal red cells.
  4. ABO blood grouping interpretation on individuals greater than 6 months old should be confirmed by testing serum or plasma of the individual against group A and group B red cells (reverse grouping). If the results obtained with the serum do not correlate with the red cell test, further investigation is required.
  5. Return the kit to the agent if it does not function properly.
  6. Anti-D IgG/IgM blend Reagent tests conducted on particular weak-D phenotypes, while satisfactory, cannot ensure recognition of all weak variants, due to the variability of antigen patterns.

**DIAGNOSTIC PERFORMANCE CHARACTERISTICS**  
The following tables compare the results in slide and tube techniques of 3 lots of Atlas Medical reagents and the results of a CE marked device.

| Slide Technique                                                                                                     |       |       |       |            |
|---------------------------------------------------------------------------------------------------------------------|-------|-------|-------|------------|
| Group A                                                                                                             |       |       |       |            |
| Positive with anti-A monoclonal reagent and anti-AB monoclonal reagent<br>Negative with anti-B and Negative control |       |       |       |            |
| CE marked device                                                                                                    | Lot A | Lot B | Lot C | Compliance |
| 232                                                                                                                 | 232   | 232   | 232   | 100%       |
| Tube Technique                                                                                                      |       |       |       |            |
| Group A                                                                                                             |       |       |       |            |
| Positive with anti-A monoclonal reagent and anti-AB monoclonal reagent<br>Negative with anti-B and Negative control |       |       |       |            |
| CE marked device                                                                                                    | Lot A | Lot B | Lot C | Compliance |
| 212                                                                                                                 | 212   | 212   | 212   | 100%       |

| Slide Technique                                                                                                     |  |  |  |  |
|---------------------------------------------------------------------------------------------------------------------|--|--|--|--|
| Group B                                                                                                             |  |  |  |  |
| Positive with anti-B monoclonal reagent and anti-AB monoclonal reagent<br>Negative with anti-A and Negative control |  |  |  |  |

| CE marked device                                                                                                    | Lot A | Lot B | Lot C | Compliance |
|---------------------------------------------------------------------------------------------------------------------|-------|-------|-------|------------|
| 61                                                                                                                  | 61    | 61    | 61    | 100%       |
| Tube Technique                                                                                                      |       |       |       |            |
| Group B                                                                                                             |       |       |       |            |
| Positive with anti-B monoclonal reagent and anti-AB monoclonal reagent<br>Negative with anti-A and Negative control |       |       |       |            |
| CE marked device                                                                                                    | Lot A | Lot B | Lot C | Compliance |
| 61                                                                                                                  | 61    | 61    | 61    | 100%       |

| Slide Technique                                                                                                                     |       |       |       |            |
|-------------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|------------|
| Group O                                                                                                                             |       |       |       |            |
| Negative with anti-A monoclonal reagent, Anti-B monoclonal reagent and anti-AB monoclonal reagent<br>Negative with Negative control |       |       |       |            |
| CE marked device                                                                                                                    | Lot A | Lot B | Lot C | Compliance |
| 241                                                                                                                                 | 241   | 241   | 241   | 100%       |
| Tube Technique                                                                                                                      |       |       |       |            |
| Group O                                                                                                                             |       |       |       |            |
| Negative with anti-A monoclonal reagent, Anti-B monoclonal reagent and anti-AB monoclonal reagent<br>Negative with Negative control |       |       |       |            |
| CE marked device                                                                                                                    | Lot A | Lot B | Lot C | Compliance |
| 243                                                                                                                                 | 243   | 243   | 243   | 100%       |

| Slide Technique                                                                                                                     |       |       |       |            |
|-------------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|------------|
| Group AB                                                                                                                            |       |       |       |            |
| Positive with anti-A monoclonal reagent, Anti-B monoclonal reagent and anti-AB monoclonal reagent<br>Negative with Negative control |       |       |       |            |
| CE marked device                                                                                                                    | Lot A | Lot B | Lot C | Compliance |
| 33                                                                                                                                  | 33    | 33    | 33    | 100%       |
| Tube Technique                                                                                                                      |       |       |       |            |
| Group AB                                                                                                                            |       |       |       |            |
| Positive with anti-A monoclonal reagent, Anti-B monoclonal reagent and anti-AB monoclonal reagent<br>Negative with Negative control |       |       |       |            |
| CE marked device                                                                                                                    | Lot A | Lot B | Lot C | Compliance |
| 24                                                                                                                                  | 24    | 24    | 24    | 100%       |

No inversion in diagnosis has been shown: from a qualitative point of view we have observed 100% compliance in direct group testing in slide and tube techniques for determination of A, B, AB and O groups for the three lots of Atlas Medical.

**QUALITY CONTROL**  
The reactivity of all blood grouping reagents should be confirmed by testing known positive and negative red blood cells on each day of use. To confirm the specificity and sensitivity, Blood grouping reagents should be tested with antigen-positive and antigen-negative red blood cells.

**REFERENCES**

1. BCSH Blood Transfusion Task Force. Guidelines for microplate techniques in liquid-phase blood grouping and antibody screening. Clin. Lab. Haem 1990: 12, 437-460.
2. Issitt P. D. Applied Blood Group Serology, 3rd ed. Miami: Montgomery Scientific, 1985.
3. Kholer G., Milstein C. Continuous culture of fused cells secreting antibody of predefined specificity, 256, 495-497, 1975
4. Messeter L. et. al. Mouse monoclonal antibodies with anti-A, anti-B and anti-A,B specificities, some superior to human polyclonal ABO reagents, Vox Sang 46, 185-194, 1984
5. Race R.R. and Sanger R. Blood groups in man, 6th ed., Oxford: Blackwell Scientific, 1975.
6. Voak D. ET. al., Monoclonal anti-A and anti-B development as cost effective reagents. Med. Lab. Sci 39, 109-122. 1982.

7. Standards for Blood Banks d Transfusion Service. 11th Ed., Washington D.C., AABB 1984:25.

8. Widmann F.K.ed Technical Manual, 9th Ed., Wahington D.C.: AABB 1985:9.



Atlas Medical GmbH  
Ludwig-Erhard-Ring 3  
15827 Blankenfelde-Mahlow  
Germany  
Tel: +49 - 33708 – 3550 30  
Email: [Info@atlas-medical.com](mailto:Info@atlas-medical.com)  
Website: [www.atlas-medical.com](http://www.atlas-medical.com)

PPI861A01  
Rev.L (19.02.2022)



LIST OF VARIANTS:

| Product Code   | Product Name                                                                                                  |
|----------------|---------------------------------------------------------------------------------------------------------------|
| 8.02.00.0.0010 | Anti-A Monoclonal Reagent (Titer: 1 /512), 10ml/vial, 1 vial/Carton Box                                       |
| 8.02.00.1.0100 | Anti-A Monoclonal Reagent (Titer: 1 /512), 10ml/vial, 10 vials / Plastic Pack                                 |
| 8.02.00.1.0180 | Anti-A Monoclonal Reagent (Titer: 1 /512), 10ml/vial, 18 vials / Carton Box                                   |
| 8.02.01.0.0010 | Anti-B Monoclonal Reagent (Titer: 1 /512), 10ml/vial, / Carton Box                                            |
| 8.02.01.1.0100 | Anti-B Monoclonal Reagent (Titer: 1 /512), 10ml/vial, 10 vials / Plastic Pack                                 |
| 8.02.01.1.0180 | Anti-B Monoclonal Reagent (Titer: 1 /512), 10ml/vial, 18 vials / Carton Box                                   |
| 8.02.02.0.0010 | Anti-AB Monoclonal Reagent (Titer: 1 /512), 10ml/vial, 1 vial/ Carton Box                                     |
| 8.02.02.1.0100 | Anti-AB Monoclonal Reagent (Titer: 1 /512), 10ml/vial, 10 vials/Plastic Pack                                  |
| 8.02.02.1.0180 | Anti-AB Monoclonal Reagent (Titer: 1 /512), 10ml/vial, 18 vials/Carton Box                                    |
| 8.02.03.0.0010 | Anti-D IgG/IgM Blend Reagent (Titer: 1 /128), 10ml/vial, 1 vial/ Carton Box                                   |
| 8.02.03.1.0100 | Anti-D IgG/IgM Blend Reagent (Titer: 1 /128), 10ml/vial, 10 vials / Plastic Pack                              |
| 8.02.03.1.0180 | Anti-D IgG/IgM Blend Reagent (Titer: 1 /128), 10ml/vial, 18 vials / Carton Box                                |
| 8.02.04.0.0010 | Anti-A Monoclonal Reagent (Titer: 1 /256), 10ml/vial, 1 Vial/Carton Box                                       |
| 8.02.04.0.0100 | Anti-A Monoclonal Reagent (Titer: 1 /256), 10ml/vial, 10 vials / Plastic Pack                                 |
| 8.02.05.0.0010 | Anti-B Monoclonal Reagent (Titer: 1 /256), 10ml/vial, 1vial/Carton Box                                        |
| 8.02.05.0.0100 | Anti-B Monoclonal Reagent (Titer: 1 /256), 10ml/vial, 10 vials /Plastic Pack                                  |
| 8.02.05.6.0030 | ABO Set (Anti-A (1/256), Anti-B (1 /256), Anti-D (1/64)),3x10ml / plastic Pack                                |
| 8.02.05.7.0020 | ABO Set: Anti-A (1/256), Anti-B (1 /256), 2x10ml /Plastic Pack                                                |
| 8.02.06.0.0010 | Anti-AB Monoclonal Reagent (Titer: 1 /256), 10ml/vial, 1vial/Carton Box                                       |
| 8.02.06.1.0100 | Anti-AB Monoclonal Reagent (Titer: 1 /256), 10ml/vial,10 vials /Plastic Pack                                  |
| 8.02.06.1.0180 | Anti-AB Monoclonal Reagent (Titer: 1 /256), 10ml/vial,18 vials / Carton Box                                   |
| 8.02.07.0.0010 | Anti-D IgG/IgM Blend Reagent (Titer: 1 /64), 10ml/vial, 1Vial/ Carton Box                                     |
| 8.02.07.1.0100 | Anti-D IgG/IgM Blend Reagent (Titer: 1 /64), 10ml/vial, 10 vials / Plastic Pack                               |
| 8.02.47.0.0030 | ABO Set (Anti-A (1 /512), Anti-B (1 /512), Anti-D (1 /128)),3x10ml/Plastic Pack                               |
| 8.02.47.1.0030 | ABO Set (Anti-A (1 /256), Anti-B (1 /256), Anti-D (1 /64)), 3x10ml /Carton Box.                               |
| 8.02.47.3.0030 | ABO Set (Anti-A (1 /256), Anti-B (1 /256), Anti-D (1 /64)), 3x10ml /Plastic Pack                              |
| 8.02.47.5.0030 | ABO Set (Anti-A (1 /256), Anti-B (1 /256), Anti-D (1 /128)), 3x10ml/Plastic Pack                              |
| 8.02.49.0.0040 | ABO Set (Anti-A (1 /256), Anti-B (1 /256), Anti-AB (1 /256), Anti-D (1 /64)), 4x10ml/Carton Box               |
| 8.02.49.2.0040 | ABO Set (Anti-A (1 /256), Anti-B (1 /256), Anti-AB (1 /256), Anti-D (1 /128)), 4 x 10ml, 4 vials/Plastic Pack |
| 8.02.53.0.0040 | ABO Set (Anti-A (1 /512), Anti-B (1 /512), Anti-AB (1 /512) Anti-D (1 /128)), 4x10ml/Plastic Pack             |
| 8.02.53.1.0040 | ABO Set (Anti-A (1 /512), Anti-B (1 /512), Anti-AB (1 /512) Anti-D (1 /128)), 4x10ml, 4vials/Plastic Pack     |
| 8.02.70.0.0010 | Anti-A monoclonal reagent , Titer (1/1024), 10 ml/vial, 1Vial/ Carton Box                                     |
| 8.02.71.0.0010 | Anti-B Monoclonal reagent (Titer: 1 /1024) , 10 ml/vial ,1Vial/ Carton Box                                    |
| 8.02.72.0.0010 | Anti-AB Monoclonal reagent (Titer: 1 /1024) , 10 ml/vial , 1Vial/ Carton Box                                  |
| 8.02.85.0.0010 | Anti-D IgG/IgM Blend reagent ( Titer 1 /256), 10ml/vial, 1Vial/ Carton Box                                    |

|                                                                                    |                                                     |                                                                                     |                                    |
|------------------------------------------------------------------------------------|-----------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------|
|  | Catalogue Number                                    |  | Temperature limit                  |
|  | In Vitro diagnostic medical device                  |  | Caution                            |
|  | Contains sufficient for <n> tests and Relative size |  | Consult instructions for use (IFU) |
|  | Batch code                                          |  | Manufacturer                       |
|  | Fragile, handle with care                           |  | Use-by date                        |
|  | Manufacturer fax number                             |  | Do not use if package is damaged   |
|  | Manufacturer telephone number                       |  | Date of Manufacture                |
|  | Keep away from sunlight                             |  | Keep dry                           |