

WHO Prequalification of In Vitro Diagnostics PUBLIC REPORT

Product: AdvDx Malaria Pf Rapid Malaria Ag Detection Test WHO reference number: PQDx 0345-101-00

AdvDx Malaria Pf Rapid Malaria Ag Detection Test with product codes 00-DKM-RK-MAL-ADX-004-001, 00-DKM-RK-MAL-ADX-004-025, 00-DKM-RK-MAL-ADX-004-010, 00-DKM-RK-MAL-ADX-004-050, 00-DKM-RK-MALADX- 004-001-010 and 00-DKM-RK-MALADX- 004-001-25, manufactured by Advy Chemical Pvt Ltd., Rest-of-World regulatory version, was accepted for the WHO list of prequalified in vitro diagnostics and was listed on 16 May 2019.

Summary of WHO Prequalification Assessment for AdvDx Malaria Pf Rapid Malaria Ag Detection Test

	Date	Outcome
Prequalification listing	16 May 2019	listed
Dossier assessment	5 December 2018	MR
Product performance evaluation	2016	MR

MR: Meets Requirements

Report amendments and product changes

This public report has since been amended. Amendments may have arisen because of changes to the prequalified product, for which the WHO has been notified and has undertaken a review. The amendments to the report are summarized in the following table, and details of each amendment are provided below.

Version	Summary of amendment and change request reference, where applicable.	Date of report amendment
2.0	Modified artwork components (carton, pouch, buffer bottle labels) and IFU to reflect a new manufacturing license. The manufacturer introduced new configurations to the prequalified product with new product codes, 00-DKM-RK-MAL-ADX-004-001, 00-DKM-RK-MAL-ADX-004-010, and 00-DKM-RK-MAL-ADX-004-050.	3 October 2023.
3.0	Updated the IFU to remove the inverted cup and blood lancets included in the IFU ADFE025KI-1, issued on 2023-04.	4 July 2024.
4.0	Updated the public report to include the product codes for complete single test kits, with product codes 00-DKM-RK-MALADX- 004-001-010 and 00-DKM-RK-MALADX- 004-001-25.	11 October 2024.

5.0	1. Change of the lancet from a stainless-steel lancet to a plastic blood lancet (PQC-IVD-2024-0048). 2. Change of the sample applicator from a sample dropper to an inverted cup applicator (PQC-IVD-2025-0014). 3. Change of the CE Authorised Representative name and address on the product labelling (IFU and kit carton), with no change to the legal entity (PQC-IVD-2025-0040).	8 January 2026
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Intended use

According to the manufacturer, “AdvDx Malaria Pf Rapid Malaria Ag Detection Test is an in-vitro diagnostic Immunochromatographic assay for the qualitative detection of malaria infection caused by *Plasmodium falciparum* parasites in humans. It detects HRP-II (Histidine Rich Protein-II) antigen of *Plasmodium falciparum* in whole blood specimens. It does not assess parasite densities. The test must be performed by a trained professional user and not by lay users.”

Test kit contents

Component	1 Test/kit (T/kit) (00-DKM- RK-MAL- ADX-004- 001)	10 T/kit (00-DKM- RK-MAL- ADX-004- 010)	25 T/kit (00-DKM- RK-MAL- ADX-004- 025)	50 T/kit (00-DKM- RK-MAL- ADX-004- 050)	Qty. in Complete Single Test kit 25 Tests/Cartron (00-DKM- RK- MALADX- 004-001-250)	Qty. in Complete Single Test kit 10 Tests /Carton (00- DKM-RK-MALADX- 004-001-010)
The AdvDx Malaria Pf Test Device is individually foil-pouched with a desiccant.	1	10	25	50	Complete Single Test Kit: 25 Tests	Complete Single Test Kit: 10 Tests
Sample applicator	1	10	25	50		
Alcohol Swab	1	10	25	50		
Lancet	1	10	25	50		
Buffer solution	1 x 0.2 ml/ ampoule	3.0 ml/ ampoule	1 x 3.0 ml/ampoule	3 x 3.0 ml/Bottle		
Product Insert (IFU)	1	1	1	1		

Items required but not provided

- Timer;
- New pair of disposable gloves;
- Pen/pencil;
- Biosafety sharps container;
- Biohazard waste container (for potentially infectious waste);
- If whole blood is collected by venipuncture, Venipuncture blood collection materials and precision pipette, plus tips, and;
- Sterile gauze or cotton.

Storage

The test must be stored between 2 and 40 °C.

Shelf-life upon manufacture¹

24 months.

Dossier assessment

Advy Chemical Pvt Ltd. submitted a product dossier for the AdvDx Malaria Pf Rapid Malaria Ag Detection Test as per the “*Instructions for compilation of a product dossier*” (PQDx_018 v1). The information (data and documentation) submitted in the product dossier was reviewed by WHO staff and external technical experts (assessors) appointed by WHO.

Based on the product dossier screening and assessment findings, the AdvDx Malaria Pf Rapid Malaria Ag Detection Test product dossier meets WHO prequalification requirements.

Manufacturing site inspection

The inspection of the manufacturing site(s) was conducted to assess whether the manufacturer’s quality management system (QMS) and manufacturing practices are in alignment with:

- (i) applicable international standards, such as ISO 13485 (Medical devices – Quality management systems – Requirements for regulatory purposes);
- (ii) the manufacturer’s own documented procedures and quality requirements; and
- (iii) other relevant international standards and guidelines applicable to in vitro diagnostic (IVD) medical devices. The WHO’s Public Inspection Reports are accessible at:

¹ The assigned device shelf-life is based on stability data generated from the date of manufacture. The finished goods shelf-life, calculated from the date of packaging completion, may be shorter depending on the time elapsed between manufacture and final packaging of the device.

<https://extranet.who.int/pqweb/vitro-diagnostics/who-public-inspection-reports>

Product performance evaluation

The seventh round of WHO product testing of RDTs for malaria antigen detection was completed in 2016. The product was evaluated against a *Plasmodium falciparum* cultured line panel, a *P. falciparum* wild-type parasite panel, a *P. vivax* wild-type parasite panel and a *Plasmodium* spp. negative panel. Thermal stability was assessed after two months of storage at elevated temperature and humidity, and a descriptive ease of use assessment was recorded.

Based on the demonstrated *P. falciparum* panel detection score (80.0% at 200 parasites/μl), false-positive rates (0.0% for clean negatives, 0.0% for *P. vivax* at 200 parasites/μl, 0.0% for *P. vivax* at 2000 parasites/μl) and invalid rate (0.0%), AdvDx Malaria Pf Rapid Malaria Ag Detection Test meets the current laboratory evaluation requirements for prequalification.

Summary performance characteristics	Panel detection score (%)	False positive rate (%)		Invalid rate (%)
	200 parasites/μl	200 parasites/μl	Clean negatives	
	<i>Pf</i>	<i>Pv</i>		
AdvDx Malaria Pf Rapid Malaria Ag Detection Test	80.0	0.0	0.0	0.0

Labelling review

The labelling submitted for Abbott RealTime HIV-1 Qualitative (m2000sp) assay was reviewed by WHO staff and external technical experts appointed by WHO. The review evaluated the labelling for clarity and consistency with the information submitted in the product dossier, alignment with international guidance and standards, and suitability for the intended users and settings in WHO Member States, including low- and middle-income countries.

The table below provides traceability of the labelling documents reviewed during the assessment, including document titles, version numbers, approval dates, and control identifiers.

Controlled Labelling References

Document Type	Document Title	Version / Revision	Date Approved	Controlled Document No.
Outer box artwork	Complete single Test kit (English)	2	Nov-25	ADFE001IC-2
	25 T Inner carton (English)	2	Nov-25	ADFE025IC-2
	10 T Inner carton (English)	2	Nov-25	ADFE010IC-2
	50 T Inner carton (English)	2	Nov-25	ADFE050IC-2
Pouch / Device label	Aluminium Pouch	1	Apr-23	ADFE001AP-1
Reagent bottle labels	Buffer bottle 5 ml	1	Apr-21	ADXBL-1
Instructions for Use (IFU)	Kit Insert (English)	7	Jul-25	ADFE025KI-7
Alcohol Swab	Amkay	NA	NA	NA
	Mac	NA	NA	NA
Blood Lancet	Tianjin	NA	NA	NA
	Shandong	NA	NA	NA

Labels





A triangle diagram with the number 25 outside the top-left vertex and the number 3 inside the triangle.

Adv
DXTM

MALARIA Pf

Rapid Malaria Ag Detection Test

Detection of Pf(HRP-II) Antigen



CONTENTS:	
Product Insert	: 1 No.
Test Device individual foil pouched with a desiccant	: 25 Nos.
Sample Applicator (Inverted Cup)	: 25 Nos.
Alcohol Swab	: 25 Nos.
Blood Lancet	: 25 Nos.
Buffer Solution (3.0 ml/Bottle)	: 1 No.

Disposal: Dispose all the samples and kit properly as per the instructions after test in accordance with GLP.

2°C / 40°C IVD      

EC	REP	GbD RepS BV, Groenenborgerlaan 16 2610 Wilrijk, Belgium	CE
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- Timer
- Suitable eye protection
- New pair of disposable gloves
- Pen/pencil
- BioSafety sharps container
- Biohazard waste container
(for potentially infectious waste)
- If whole blood is collected by venipuncture, Venipuncture biohazard collection materials and precise pipette, plus tips.
- Sterile Gauze or cotton.

MALARIA Pf
Rapid Malaria Ag Detection Test

MALARIA Pf

Rapid Malaria Ag Detection Test
Detection of Pf(HRP-II) Antigen



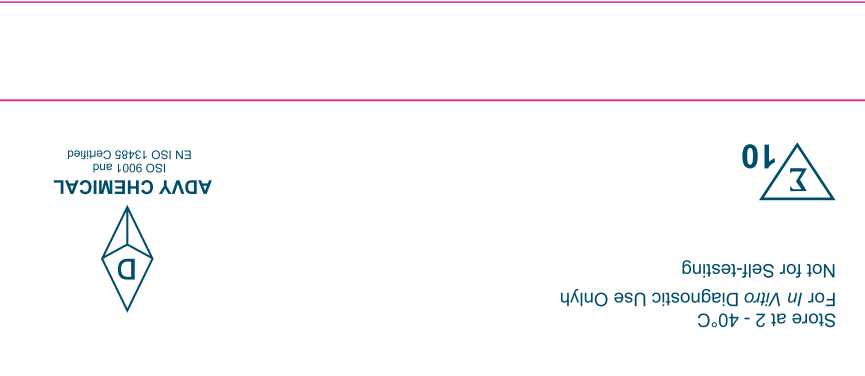
ADVYCHEMICAL
ISO 9001 and
EN ISO 13485 Certified

LOT :
 MFG :
 EXP :
 M.R.P. ₹. :
 (Incl. of all Taxes)

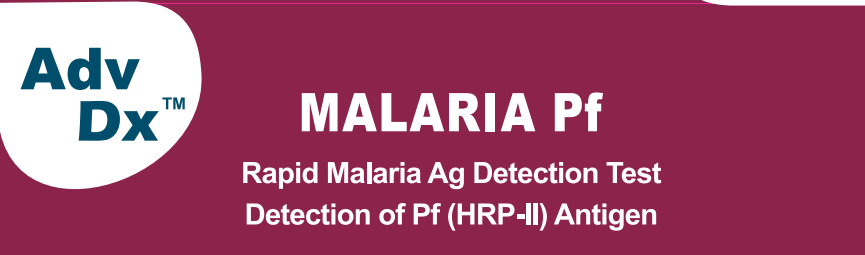
Manufactured in India by :
ADVY CHEMICAL PVT. LTD.
 Plot No. A - 334 / 336 / 338,
 A - 337 & 339, Road No. 25 & 26,
 Wagle Industrial Estate, Thane - 400 604, INDIA.
info@advychemical.com • www.advychemical.com

Customer Care :
Contact No. **+91 8657428614**
E-mail: customerfeedback@advychemical.com


MALARIA Pf
Rapid Malaria Ag Detection Test




01 



Store at 2 - 40°C
For *In Vitro* Diagnostic Use Only
Not for Self-testing

 **10**

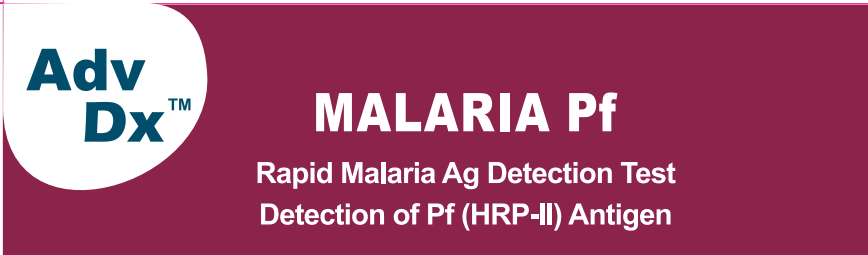

ADIPOL
ISO 9001 and
EN ISO 13485 Certified




2°C 40°C IVD      

EC	REP	QbD Reps BV, Groenenborgerlaan 16 2610 Wilrijk, Belgium	CE
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ADFE010IC-2



Store at 2 - 40°C
For *In Vitro* Diagnostic Use Only
Not for Self-testing

 **ADVY CHEMICAL**
ISO 9001 and
EN ISO 13485 Certified





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3



**Adv
Dx™**

Store at 2 - 40°C
For *In Vitro* Diagnostic Use Only
Not for Self-testing



ADVY CHEMICAL
ISO 9001 and
EN ISO 13485 Certified

Store at 2 - 40°C
For *In Vitro* Diagnostic Use Only
Disposal: Dispose all the samples and kit properly as per the instructions after test in accordance with GLP.









EC	REP	QbD RepS B.V., Groenenborgerlaan 16 2610 Wilrijk, Belgium	CE
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MALARIA Pf
Malaria Ag Detection Test

ADEF0501C-2

**Adv
Dx™**

Store at 2 - 40°C
For In Vitro Diagnostic Use Only
Not for Self-testing



ADVY CHEMICAL
ISO 9001 and
EN ISO 13485 Certified

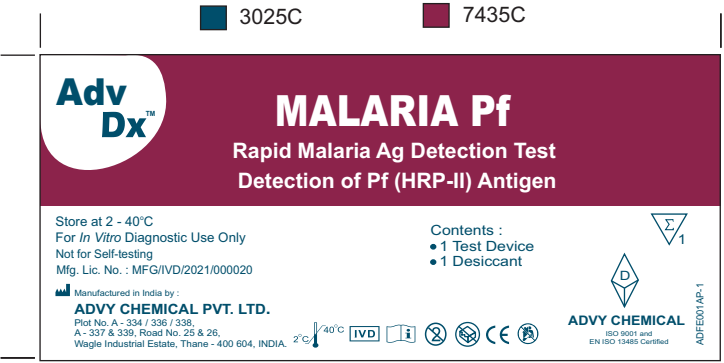
Manufactured in India by:
ADVY CHEMICAL PVT. LTD.
Plot No. A - 334 / 336 / 338,
A - 337 & 339, Road No. 25 & 26,
Wagle Industrial Estate, Thane - 400 604, INDIA.
info@advychemical.com • www.advychemical.com

Customer Care :
Contact No. **+91 8657428614**
E-mail: customerfeedback@advychemical.com

MALARIA Pf
Rapid Malaria Ag Detection Test

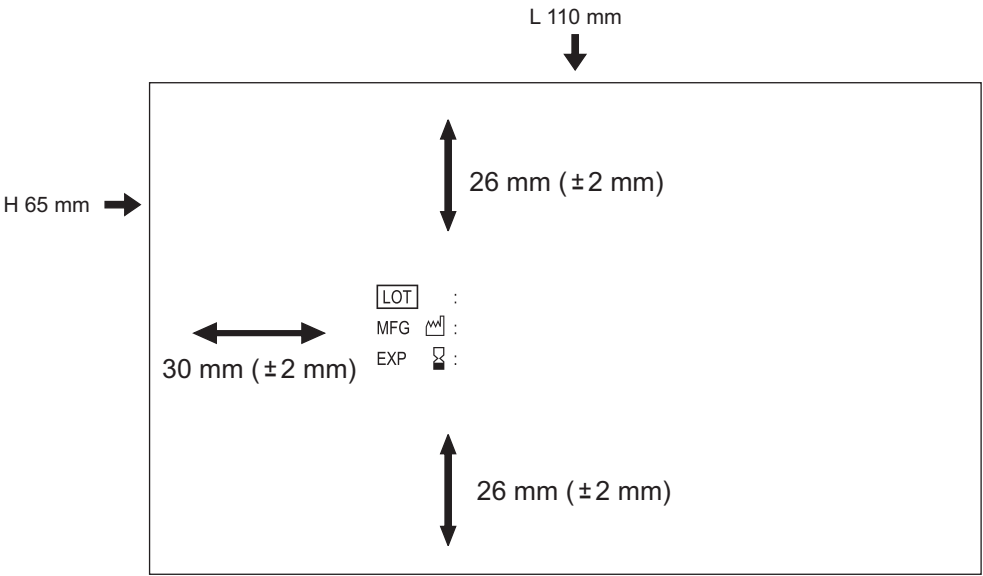
Advdx Malaria Pf_Pouch Label Front side

Lable Size L Text 90mm x H 40mm (Final Pouch Dimension 110 mm x 65 mm)



Advdx Malaria Pf_Pouch Label Back side

Pouch Size: L 110 mm x H 65 mm

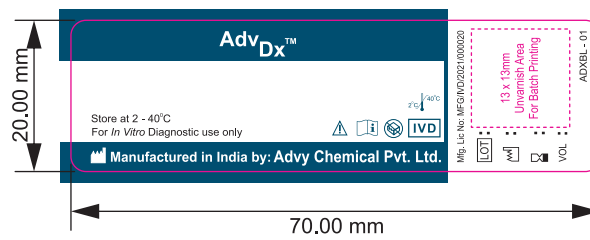


Size: L 70mm x H 20mm

■ 3025C ■ Black

Ref.no: ADXBL- 01

Mfg. Lic. NO. MFG/IVD/2021/000020



CE

ISO 9001:2015
Certified Company

*Amkay*TM **SWAB**
70% IPA

Isopropyl Alcohol Swab

For Single Use

-- ✂ -- ✂ -- **Tear Here** -- ✂ -- ✂ --
For External Use Only

Lot No. : AS / 0622

Mfg. : 06 / 2022

Exp. : 5 yrs. from mfg.

MFG/MD/2018/000084

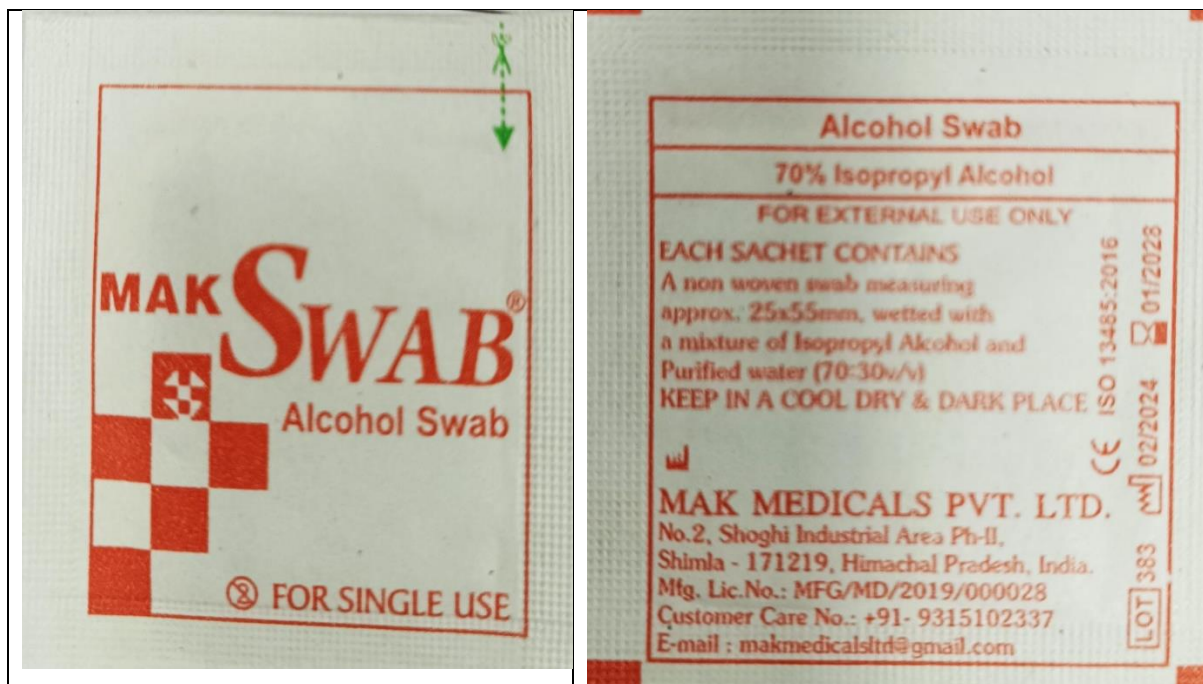
Manufactured by

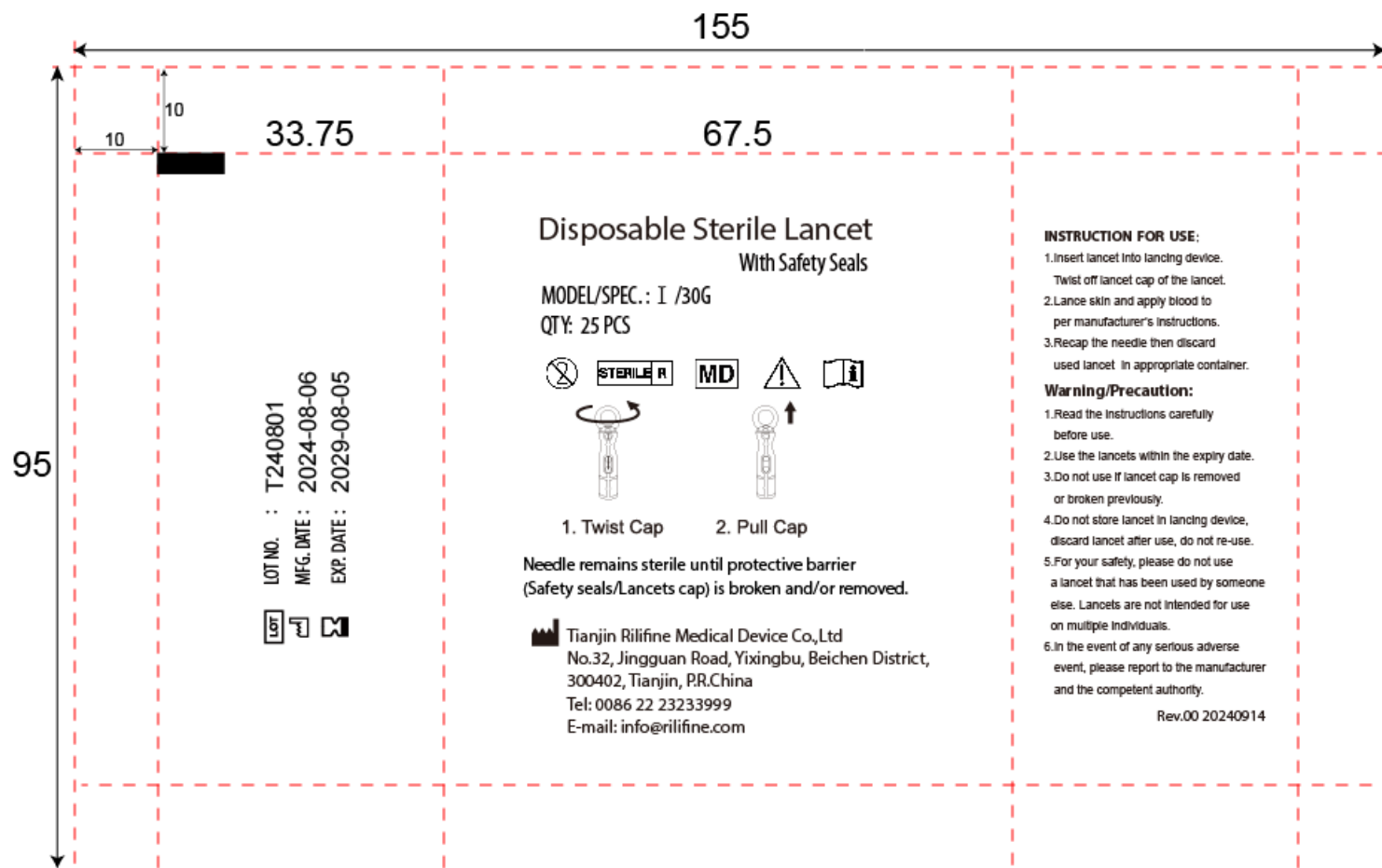
AMKAY PRODUCTS PVT. LTD.

www.amkayproducts.com

Email : info@amkayproducts.com

Customer Care No : +91-77200 85358





Sterile Blood Lancets



Shandong Lianfa Medical Plastic Products Co., Ltd.
No.1 Shuangshan Sanjian Road, Zhangqiu, Jinan City,
250200, Shandong P. R. China

Model/Spec.: I/30G



08-07-2024



07-07-2029

Store the Product in a
cool and dry place



24073090

▽ 25 Nos

STERILE R



DO NOT RE-USE



0197

Size: 50*40mm

Instructions for use²

² English version of the IFU was the one that was assessed by WHO. It is the responsibility of the manufacturer to ensure correct translation into other languages.

