

## ALEX FOOD - SUMMARY OF SAFETY AND PERFORMANCE

### 1. Device identification and general information

|                                                                                               |               |
|-----------------------------------------------------------------------------------------------|---------------|
| Device trade name(s)                                                                          | ALEX Food     |
| Reference Number                                                                              | 07-5001-01    |
| Basic UDI-DI                                                                                  | 91201229207K2 |
| European Medical Device Nomenclature (EMDN) description / text                                | W01020205     |
| Risk class of device                                                                          | Class C       |
| Is it a device for near-patient testing and/or a companion diagnostic?                        | No            |
| Year when the first certificate was issued under Regulation (EU) 2017/746 covering the device | 2024          |

|                                                                                         |                                                                          |
|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| Manufacturer's name and address                                                         | MacroArray Diagnostics<br>Lemböckgasse 59, Top 4<br>1230 Vienna, Austria |
| Manufacturer's single registration number (SRN)                                         | AT-MF-000030541                                                          |
| Authorized representative if applicable; name and the SRN                               | N/A                                                                      |
| NB's name (the NB that will validate the SSP) and the NB's single identification number | QMD Services GmbH<br>NB Number: 2962                                     |

ALEX Food is a product derivative of the ALEX<sup>2</sup> test kit. For ALEX Food 59 food allergens were selected of the 295 allergens from ALEX<sup>2</sup>. Further details von ALEX Food are available in the ALEX<sup>2</sup> Summary of Safety and Performance.

### 2. Intended Use of the device

#### 2.1. Intended Purpose

The ALEX Food test system is a quantitative in vitro diagnostic test for the measurement of 59 allergen specific IgE (sIgE) food allergens and a semi-quantitative in vitro diagnostic test for the measurement of total IgE (tIgE) in human serum or plasma (exception EDTA-plasma).

It is to be used by clinical chemistry laboratories, trained laboratory personnel and medical professionals for the purpose of supporting the clinical diagnosis of IgE mediated diseases, in conjunction with other clinical findings or diagnostic test results. The test is intended for MAX 45k and MAX 9k only.

## 2.2. Indications and target populations

ALEX Food is for trained laboratory personnel and medical professionals only.

Any human serum or plasma (exception EDTA-plasma) from any target population can be used for analysis as there are no restriction on the target population. When developing IgE assays, age and sex are typically not considered as critical factors because IgE levels, which are measured in these assays, do not significantly vary based on these demographics.

## 2.3. Limitations and/or contra-indications

A definitive clinical diagnosis should only be made in conjunction with all available clinical findings by medical professionals and shall not be based on results of a single diagnostic method only.

In certain areas of application (e.g. food allergy), circulating IgE antibodies may remain undetectable although a clinical manifestation of food allergy against a certain allergen may be present, because these antibodies may be specific to allergens that are modified during industrial processing, cooking or digestion and hence do not exist in the original food for which the patient is tested.

In children, especially up to 2 years of age, the normal range of tIgE is lower than in adolescents and adults (*Martins TB, Bandhauer ME, Bunker AM, Roberts WL, Hill HR. New childhood and adult reference intervals for total IgE. J Allergy Clin Immunol. 2014 Feb;133(2):589-91*). Therefore, it is to be expected that in a higher proportion of children younger than 2 years the total IgE-level lies below the specified detection limit. This limitation does not apply to specific IgE measurement.

Anti-IgE therapy can influence the results of IgE-based in-vitro diagnostic tests.

# 3. Device description

## 3.1. Description of the device

ALEX Food is a solid-phase immunoassay. Allergen extracts or molecular allergens, which are coupled to nano-particles, are deposited in a systematic fashion onto a solid phase forming a macroscopic array.

As a first step, the particle bound allergens react with specific IgE that is present in the patient's sample. After incubation, non-specific IgE is washed off. The procedure continues by adding an enzyme labelled anti-human IgE detection antibody which forms a complex with the particle bound specific IgE. After a second washing step, substrate is added which is converted to an insoluble, colored precipitate by the antibody-bound enzyme. Finally, the enzyme-substrate reaction is stopped by adding the Stop Solution.

The amount of precipitate is proportional to the concentration of specific IgE in the patient sample. The test procedure is followed by image acquisition and analysis. The test results are reported in allergen IgE response units ( $\text{kU}_A/\text{l}$ ) for the specific allergen and in IgE response units ( $\text{kU}/\text{l}$ ) for total IgE (tIgE).

The product is used in a medical laboratory by trained laboratory personnel and medical professionals only.



Processed ALEX Food array in cartridge

### 3.2. In case the device is a kit, description of the components

| Components                   | Amount                    | Description                                                                                                                                             | Regulatory Status<br>(IVD, Medical Device) |
|------------------------------|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| ALEX Food Cartridge*         | 50                        | Polystyrol cartridge containing a solid-phase immunoassay.                                                                                              | component of an IVD                        |
| ALEX Food Washing Solution** | 1 x 250 ml<br>(4 x conc.) | 1 x TBS-Tween (0.2%) Buffer,<br>< 0.1 % Sodium Azide                                                                                                    | component of an IVD, also available as IVD |
| ALEX Food Sample Diluent     | 1 x 30 ml                 | 1 x TBS-Tween (0.2%) Buffer, CCD Blocker, < 0.1 % Sodium Azide                                                                                          | component of an IVD                        |
| ALEX Food Detection Antibody | 1 x 30 ml                 | Human Anti-IgE detection antibody<br>Conjugate Buffer with Additives                                                                                    | component of an IVD                        |
| ALEX Food Substrate Solution | 1 x 30 ml                 | NBT/BCIP Substrate<br>( <b>NBT</b> : 4-Nitro blue tetrazolium chloride, solution, <b>BCIP</b> : 5-bromo-4-chloro-3-indolyl-phosphate, 4-toluidine salt) | component of an IVD                        |
| ALEX Food Stop Solution***   | 1 x 10 ml                 | Ethylenediaminetetraacetic acid (EDTA)-                                                                                                                 | component of an IVD, also available        |

|  |  |          |        |
|--|--|----------|--------|
|  |  | Solution | as IVD |
|--|--|----------|--------|

\* The cartridges contain the array, where the allergen spots (= antigens for the immunoassay) are spotted. Every cartridge contains 64 spots with

- 59 different allergens,
- 4 spots for plausibility check (QC), named "Guide Dots",
- 1 spot with anti-total IgE antibodies for the semi-quantitative determination of total-IgE,
- a QR-Code which is used to identify the cartridge during the scanning process

\*\* The "ALEX Food Washing Solution" corresponds to and is synonymous with the "Washing Solution".

\*\*\* The "ALEX Food Stop Solution" corresponds to and is synonymous with the "Stop Solution".

### 3.3. A reference to previous generation(s) or variants if such exists, and a description of the differences

There is no previous generation of ALEX Food. ALEX Food is a product derivative of the ALEX<sup>2</sup> test kit. For ALEX Food 59 food allergens were selected of the 295 allergens from ALEX<sup>2</sup>. Please refer to the Summary of Safety and Performance of ALEX<sup>2</sup> for further details.

### 3.4. Description of any accessories which are intended to be used in combination with the device

- MAX device (9k or 45k)
- RAPTOR SERVER Analysis Software
- PC/Laptop with Internet connection

### 3.5. Description of any other devices and products which are intended to be used in combination with the device

- **RAPTOR SERVER Analysis Software** (IVD): for the acquisition and analysis of images taken by MAX devices
- **MAX devices - MAX 45k, MAX 9k** (IVD): instruments for the automated processing of ALEX technology-based test cartridges

## 4. Reference to any harmonized standards and CS applied

|                                                                                |                                                                                                      |
|--------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| EN ISO 13485:2016,<br>EN ISO 13485:2016/A11:2021                               | Medical devices - Quality management systems - Requirements for regulatory purposes (ISO 13485:2016) |
| EN ISO 13485:2016,<br>EN ISO 13485:2016/A11:2021,<br>EN ISO 13485:2016/AC:2018 | Medical devices - Quality management systems - Requirements for regulatory purposes (ISO 13485:2016) |

|                                                          |                                                                                                                                                                                                |
|----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>EN ISO 14971:2019,<br/>EN ISO 14971:2019/A11:2021</b> | Medical devices - Application of risk management to medical devices (ISO 14971:2019)                                                                                                           |
| <b>EN ISO 15223-1:2021</b>                               | Medical devices - Symbols to be used with information to be supplied by the manufacturer - Part 1: General requirements (ISO 15223-1:2021)                                                     |
| <b>EN ISO 17511:2021</b>                                 | In vitro diagnostic medical devices - Requirements for establishing metrological traceability of values assigned to calibrators, trueness control materials and human samples (ISO 17511:2020) |
| <b>EN ISO 20916:2024</b>                                 | In vitro diagnostic medical devices - Clinical performance studies using specimens from human subjects - Good study practice (ISO 20916:2024)                                                  |

## 5. Risks and warnings

### 5.1. Residual risks and undesirable effects

Residual risks i.e. involve the utilization of samples containing EDTA, which may have a detrimental effect on the test results. Although the complete exclusion of EDTA-containing samples cannot be assured, the Instructions for Use (IFU) provide appropriate guidelines for the samples used, thus leading to the assessment of this risk as acceptable.

### 5.2. Warnings and precautions

Warnings and precautions are described in the IFU and the Safety Data Sheet of ALEX Food, both available at [www.madx.com/extras](http://www.madx.com/extras).

### 5.3. Other relevant aspects of safety, including a summary of any field safety corrective action (FSCA including FSN), if applicable

There are no FSCA yet.

## 6. Summary of the performance evaluation as referred to in Annex XIII, and relevant information on the PMPF

**ALEX Food is a product derivative of the ALEX<sup>2</sup> test kit. Therefore, the performance evaluation for the product ALEX<sup>2</sup> is applicable to ALEX Food test kit.**

### 6.1. Summary of scientific validity of the device

Using ELISA for the detection of sIgE and tIgE in serum is state of the art, moreover multiplex in vitro assays have several advantages against the widely used skin prick test:

Serum IgE testing entails no risk to the patient other than a blood draw and is preferable if the patient

- has an unstable or uncontrolled medical condition,
- is at high risk of anaphylaxis,
- is taking essential medication that interferes with testing,
- is very young such that the procedure would be unduly stressful, or
- has a skin condition that limits available skin for testing.

The development of screening tests with multiple allergens or multiplex tests that identify multiple specific IgEs with a small blood volume is especially beneficial for testing very young children.

*IgE allergy diagnostics and other relevant tests in allergy, a World Allergy Organization position paper*

*Ansotegui et al. World Allergy Organization Journal (2020) 13:100080*

<http://doi.org/10.1016/j.waojou.2019.100080>

## 6.2. Summary of performance data from conducted studies of the device prior to CE-marking

### 6.2.1. Precision (Lot-to-Lot Variation) with ImageXplorer

The lot-to-lot variation was determined on 3 cartridge lots in three separate runs. Multi-sensitized samples were included in the study. The study comprised 319 allergen per sample combinations covering 191 individual allergens at 3 different levels ( $> 10 \text{ kU}_A/\text{I}$ ,  $1\text{-}10 \text{ kU}_A/\text{I}$  and  $0.3\text{-}1 \text{ kU}_A/\text{I}$ ).

|                  | 0.3 - 1 $\text{kU}_A/\text{I}$ | 1 - 10 $\text{kU}_A/\text{I}$ | $> 1 \text{ kU}_A/\text{I}$ | $> 10 \text{ kU}_A/\text{I}$ |
|------------------|--------------------------------|-------------------------------|-----------------------------|------------------------------|
| <b>Total CV%</b> | 24.7                           | 12.1                          | 11.3                        | 9.6                          |

### 6.2.2. Precision with MAX Devices

The variation between different MAX devices in the ALEX<sup>2</sup> assay was determined on three MAX 45k and three MAX 9k devices in three separate runs (same ALEX<sup>2</sup> lot). Three selected multi-sensitized samples were tested covering the majority of priority components at 3 different levels ( $>10 \text{ kU}_A/\text{I}$ ,  $1\text{-}10 \text{ kU}_A/\text{I}$  and  $0.3\text{-}1 \text{ kU}_A/\text{I}$ ).

For the selected allergen components, the CV (in %) was calculated between runs and between instruments (= total CV).

|  | 0.3 - 1 $\text{kU}_A/\text{I}$ | 1 - 10 $\text{kU}_A/\text{I}$ | $> 1 \text{ kU}_A/\text{I}$ | $> 10 \text{ kU}_A/\text{I}$ |
|--|--------------------------------|-------------------------------|-----------------------------|------------------------------|
|  |                                |                               |                             |                              |

|                              |      |      |      |     |
|------------------------------|------|------|------|-----|
| <b>Total CV%<br/>MAX 45k</b> | 24.0 | 11.0 | 10.6 | 9.1 |
| <b>Total CV%<br/>MAX 9k</b>  | 20.6 | 10.1 | 9.4  | 8.8 |

### 6.2.3. Repeatability (within-run Precision) with ImageXplorer

In the repeatability study, multi-sensitized samples were tested 10 times by the same operator on different days. The study comprised 319 allergen per sample combinations covering 165 individual allergens at 3 different levels (>10 kU<sub>A</sub>/l, 1-10 kU<sub>A</sub>/l and 0.3 - 1 kU<sub>A</sub>/l).

|                  | 0.3 - 1 kU <sub>A</sub> /l | 1 - 10 kU <sub>A</sub> /l | > 1 kU <sub>A</sub> /l | > 10 kU <sub>A</sub> /l |
|------------------|----------------------------|---------------------------|------------------------|-------------------------|
| <b>Total CV%</b> | 25.6                       | 13.8                      | 13.5                   | 10.7                    |

### 6.2.4. Homogeneity for MAX Devices

The homogeneity of the ALEX<sup>2</sup> results within a MAX test run was tested on three separate MAX 45k and three MAX 9k devices. A single multi-sensitized positive test sample was tested at all positions of the cartridge carousel.

|                              | 0.3 - 1 kU <sub>A</sub> /l | 1 - 10 kU <sub>A</sub> /l | > 1 kU <sub>A</sub> /l | > 10 kU <sub>A</sub> /l |
|------------------------------|----------------------------|---------------------------|------------------------|-------------------------|
| <b>Total CV%<br/>MAX 45k</b> | 33.6                       | 12.3                      | 11.5                   | 9.2                     |
| <b>Total CV%<br/>MAX 9k</b>  | 28.1                       | 10.3                      | 9.8                    | 9.3                     |

### 6.2.5. Analytical Sensitivity

The Limit of Detection (LOD) was determined in accordance with CLSI guideline EP17-A for representative allergen components and was below 0.3 kU<sub>A</sub>/l for all allergen components and all allergen extracts.

### 6.2.6. Analytical Specificity

There is no detectable cross-reactivity with other human Immunoglobulins (IgA, IgG1, IgG2, IgG3, IgG4 and IgM) at normal physiological concentrations.

### 6.2.7. Interference

There is no detectable interference with bilirubin, cholesterol/triglycerides and hemoglobin at normal physiological concentrations. Neither is there an interference

with tIgE which was tested in concentrations of up to 3000 kU/l.

### 6.3. Summary of performance data from other sources, if applicable

#### 6.3.1. Data from Clinical Study (MADMAX)

A clinical study called "Diagnostic Accuracy of the MADx Multi Array Xplorer (MAX 45k) Automated Laboratory System and the MADx Allergy Explorer Version 2 (ALEX<sup>2</sup>) - IgE Multiplex Test for the Diagnosis of Pre-defined Groups of Specific High-priority Allergens (MADMAX)" (reference number: NCT04435678) was successfully completed in April 2022.

The primary objective of the study was to assess the diagnostic accuracy (sensitivity, specificity) of the MAX 45k/ALEX<sup>2</sup> IgE multiplex test in comparison to clinical symptoms. Furthermore, the usability as well as the processing duration (incl. hands-on time) were assessed.

In total, 111 birch pollen allergic patients, 113 grass pollen allergic patients and 107 cat allergic patients were included in the study conducted from July 2020 to April 2022, leading to a total number of 839 patients.

##### 6.3.1.1. Sensitivity – primary outcome

It was expected that the MAX 45k/ALEX<sup>2</sup> IgE multiplex test can achieve sensitivities of 75% (bee venom), 95% (house dust mite), 96% (grass pollen and vespilid venom), or even 98% (birch pollen and cat), depending on the allergen. In relation to clinical symptoms, the ALEX<sup>2</sup> test was in the range of all expected sensitivities.

|                                 | Sensitivity (95% Confidence interval) |
|---------------------------------|---------------------------------------|
| Birch pollen allergy (N=111)    | 94.6% (88.6-98.0)                     |
| Grass pollen allergy (N=113)    | 98.2% (93.8-99.8)                     |
| House dust mite allergy (N=148) | 91.2% (85.4-95.2)                     |
| Cat allergy (N=107)             | 92.5% (85.8-96.7)                     |
| Bee venom allergy (N=104)       | 76.0% (66.6-83.8)                     |
| Vespilid venom allergy (n=106)  | 94.3% (88.1-97.9)                     |

All patients with the respective positive personal clinical history have been included in the analysis.

##### 6.3.1.2. Specificity

The specificity of the ALEX<sup>2</sup> test was expected to be 95% for healthy controls. This assumption was confirmed for the comparison with clinical symptoms.

|                                             | Specificity (95% Confidence interval) |
|---------------------------------------------|---------------------------------------|
| ALEX <sup>2</sup> test compared to clinical | 95.9% (91.3-98.5)                     |

|                  |  |
|------------------|--|
| symptoms (N=146) |  |
|------------------|--|

Patients with asymptomatic bee and/or vespid venom sensitization were included in the analysis.

#### 6.3.1.3. **Likelihood ratio**

The likelihood ratio was calculated from the sensitivity and specificity data according to the following formula: Sensitivity / (1 - Specificity).

|                                 | Calculated Likelihood ratio |
|---------------------------------|-----------------------------|
| Birch pollen allergy (N=111)    | 23.1 (0.946/(1-0.959))      |
| Grass pollen allergy (N=113)    | 24.0 (0.982/(1-0.959))      |
| House dust mite allergy (N=148) | 22.2 (0.912/(1-0.959))      |
| Cat allergy (N=107)             | 22.6 (0.925/(1-0.959))      |
| Bee venom allergy (N=104)       | 18.5 (0.760/(1-0.959))      |
| Vespid venom allergy (n=106)    | 23.0 (0.943/(1-0.959))      |

#### 6.3.1.4. **Usability**

To analyze the quantitative usability of the MAX system, we calculated the System Usability Scale (SUS). The SUS is a standardized questionnaire designed to assess perceived usability (Brooke, 1996, 2013; Sauro, 2011). We performed a standard questionnaire of 10 items. It is a mixed-tone questionnaire in which the odd-numbered items have a positive tone, and the even-numbered items have a negative tone.

A SUS value of 97.5% was achieved, which represents an excellent usability.

#### 6.3.2. **Data from Literature**

A systematic review to assess the diagnostic accuracy of the IgE multiplex diagnostic test ALEX Allergy Xplorer, compared with the ImmunoCAP ISAC microarray and ImmunoCAP single-plex was performed. PubMed, Google Scholar and internal sources were searched until July 25th, 2023, for publications regarding the diagnostic accuracy of the ALEX Allergy Xplorer. 910 studies were screened. A total of 36 cohort studies, 34 published and 2 unpublished, were included. Diagnostic test accuracy information for ALEX components was available for pollen (tree, grass, weed), food, animal dander, mites, cockroaches, moulds, yeasts, and insect venoms. Specificity, sensitivity, positive predictive value (PPV) and negative predictive value (NPV) of ALEX Allergy Xplorer were generally high. Comparison studies with ImmunoCAP test systems (single- and multiplex) demonstrated that, with few exceptions (bee venom & sunflower seed extract), ALEX showed similar or better diagnostic accuracy (better for shrimp-, fish-, and house dust mite allergens).

### 6.4. **An overall summary of the performance and safety**

ALEX Food is an innovative derivative product of ALEX<sup>2</sup> that improves allergy diagnosis through the ability to detect specific IgE with specifically focusing on allergens against the most prevalent type I inhalative allergen sources, as well as total IgE. Data demonstrates demonstrates a high specificity, positive/negative predictive values and sensitivity. Safety measures have been implemented to protect patients, users and all persons involved. Through risk assessment, all known and foreseeable potential risks associated with the use of the test have been determined to be acceptable given the significant benefits it provides to patients.

Overall, this product is considered a reliable, safe and sensitive tool for supporting the diagnosis of a wide range of allergies.

### 6.5. Ongoing or planned post-market performance follow-up

In regular intervals customer inquiries and complaints are systematically evaluated. Additionally, MADx participates in ring trials:

- CAP (College of American Pathologists): Proficiency Testing - Diagnostic Allergy
- UK NEQAS for ALLERGEN COMPONENT TESTING

and several clinical and scientific studies are ongoing and planned:

#### Ongoing studies:

| Topic/Title                                          | Category                   | Status  |
|------------------------------------------------------|----------------------------|---------|
| AIT Monitoring-Study Peru                            | New application            | Ongoing |
| tlgE-Standard new                                    | Technical Comparison Study | Ongoing |
| RAPTOR SERVER data mining                            | Data Mining                | Ongoing |
| Northern Italy comparison<br>ALEX <sup>2</sup> ISAC  | Technical Comparison Study | Ongoing |
| Euroimmune/Polycheck/Im<br>munoCAP/ALEX <sup>2</sup> | Technical Comparison Study | Ongoing |

#### Planned studies:

| Topic/Title                        | Category                                   | Status                             |
|------------------------------------|--------------------------------------------|------------------------------------|
| Molecular Mapping Latin<br>America | Other                                      | Resource planning<br>(Feasibility) |
| Cannabis-Study                     | Evaluation of new<br>Allergens/new markers | Resource planning<br>(Feasibility) |
| Local IgE-production study         | New application                            | Resource planning<br>(Feasibility) |
| Berlin AIT cohort study            | Other                                      | Ongoing                            |

## 7. Metrological traceability of assigned values

### 7.1. Explanation of the unit of measurement, if applicable

Total IgE results are reported in IgE response units (kU/l). The sIgE (specific IgE) results are reported in kU<sub>A</sub>/l, whereas 1 kU/l correlates to 2.42 ng/ml.

During development a master calibration curve was established. The master calibration curve is stored in the RAPTOR SERVER Analysis Software. The customer performs a measurement and RAPTOR SERVER Analysis Software takes the Signal-to-Noise data and calculates, based on the master calibration curve, the calibrated data in kU<sub>A</sub>/l and kU/l, respectively.

### 7.2. Identification of applied reference materials and/or reference measurement procedures of higher order used by the manufacturer for the calibration of the device

There is no reference material for sIgE available. For tIgE a WHO reference preparation 11/234 is available.

MADx uses sera which are tested with ImmunoCAP (Thermo Fisher), which is perceived as "reference method" for in vitro IgE testing (*[IgE allergy diagnostics and other relevant tests in allergy, a World Allergy Organization position paper](#)* (2020), Ansotegui et al.).

The validity of the master calibration curve is controlled with control sera with known sIgE levels, e.g. Lyphochek Allergen sIgE, Panel A by Bio-Rad Laboratories or the QualityXplorer of MADx.

## 8. Suggested profile and training for users

The ALEX Food test system is for trained laboratory personnel and medical professionals only. It is essential that ALEX Food is handled and used by qualified clinical laboratory personnel who have undergone the appropriate training. The following profile and training guidelines are recommended:

Professional Qualifications: Users should hold relevant qualifications in clinical laboratory science or a related discipline.

Specific Training: MADx provides comprehensive training programs specifically designed for ALEX Food including in vitro diagnostic procedures, the hardware systems and RAPTOR SERVER Analysis Software.

During the distributor onboarding process, extensive training is provided across various modules covering specific topics such as instrument operation, sample preparation, assay setup, assay processing, hardware installation, software application, data interpretation, quality control measures and more. This training is conducted through live sessions either at MADx or remotely via web-based training. For end customers, a "train-the-trainer" model is employed, where trained distributors are responsible for educating the final users.

In Vitro Diagnostic Expertise: MADx offers extensive knowledge and expertise in the field of in vitro allergy diagnostics. Users can depend on MADx's guidance regarding regulatory requirements, quality assurance, and best practices for using IVD products for allergy diagnostics. This expertise ensures both compliance and the reliability of test results.

Compliance with IFU: Users are required to strictly follow the instructions provided in the Instructions for Use (IFU) accompanying the product. The IFU contains essential information on the proper handling, and usage of the product. All users of the RAPTOR SERVER Analysis Software for analysing ALEX Food must acknowledge and confirm that they have read and understood the IFU before accessing the software. This acknowledgment must be renewed with each release of a new version of the IFU.

MADx is available to provide clarification and support to ensure users adhere to the recommended procedures and protocols.

Ongoing Education and Proficiency: MADx encourages users to engage in continuous education and professional development. MADx offers access to a variety of educational resources, workshops, conferences, and training programs designed to enhance users' skills and knowledge of allergy-specific in vitro diagnostics

9. Revision history

| SSP Revision number | Date issued | Change description                   | Revision validated by the Notified Body                                                                                                                                                                                         |
|---------------------|-------------|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.0                 | 06.05.2025  | First compilation                    | <div><input type="checkbox"/> Yes</div> <div>Validation language:</div> <div><input checked="" type="checkbox"/> No (only applicable for class C (IVDR, Article 48 (7)) for which the SSP is not yet validated by the NB)</div> |
| 2.0                 | TBD         | Added reference to EN ISO 20916:2024 | <div><input type="checkbox"/> Yes</div> <div>Validation language:</div> <div><input checked="" type="checkbox"/> No</div>                                                                                                       |



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