

# ACCESSORIES MARKING

## SERVICE INFORMATION LETTER 2023\_04

**Products affected:** All perforated lids (aluminium and stainless steel)

**Change level:**

- optional
- recommend by MBV
- mandatory
- for information only

### 1. REASON

#### NEW REQUIREMENT

The number of different types of perforated lids for MAS-100 microbial air samplers has gradually increased to accommodate a diverse range of applications and growth media plates. Additionally, many customers track the use of perforated lids as part of their quality management system.

To permit tracing and to prevent using unsuitable perforated lids MBV decided to mark every lid with a unique and non-removable identification.

The marking includes information on the lid-type and a unique serial number. The complete information is presented in a human-readable form by letters and numbers and in a camera scannable 2D barcode.

Lids that were marked before this change (e.g. all stainless steel perforated lids, specialty aluminium perforated lids) will be integrated in the new labeling system described below. The old marking will disappear.

## 2. MARKING

### TECHNICAL IMPLEMENTATION

We employ a picosecond laser-based marking technology ('black marking') that leads to very dark, high-contrast markings without significantly altering the properties of the metal surface. The technology is well established and accepted for marking medical device implants and other applications that require highly corrosion-resistant surfaces.

Advantages of this technology are:

- Deep-black coloration with high contrast and matte appearance with low reflections which improves readability by 2D barcode scanners.
- Corrosion resistance. Markings remain legible even after numerous cleaning and decontamination cycles.
- Wide viewing angle consistency.


### QUALITY IMPACT

Due to the technology employed all published and specified quality characteristics of perforated lids will be maintained or improved:

- Surface roughness (Ra value) for stainless steel parts
- Resistance to cleaning agents
- Sterilization by autoclaving
- Decontamination by gaseous and vapourized H<sub>2</sub>O<sub>2</sub> decontamination

## MARKING CODE

After a phase-in period from April-June 2023 all perforated lids for MAS-100 microbial air samplers will be marked with a unique code with the following structure:

1	2	3	
1	Data matrix code. Identical information as in text (here: ANK 188000)		
2	3 character code for lid type - 1 <sup>st</sup> character (enlarged) defines the perforated sieve (combination of number of holes and their diameter). Other products may also be distinguished by this letter in the future. - 2 <sup>nd</sup> and 3 <sup>rd</sup> character: Further differentiation between lid types of different characteristics (letters carry no meaning). The space between the 3 <sup>rd</sup> character and the first digit of the serial number is for easier legibility. It is not implemented in the data matrix code.		
3	6 digit serial number		

## LOGISTICS AND PHASE-IN

All previous marking technologies (e.g. laser engraving) and marking codes will be abandoned after the switch-over period.

Already engraved / unmarked stock will be delivered 'as is' because the products meet all specified quality criteria.

### 3. CROSS-REFERENCE ARTICLE LIST

The following products will be marked according to the system described above. MBV and Merck article numbers are referenced.

More information on the characteristics and applications of perforated lids can be found here: <https://www.mbv.ch/en/microbial-air-samplers/accessories/perforated-lid/>

MBV Art.	MBV Art. Old	Merck Art.	Description	Comments	Code
101.214	06.6020.01	1.09195.0001	Perforated lid aluminium 300x0.6mm	Standard lid for portable samplers except MAS-100 Eco	ALG
130.2274	06.6017.01	1.19149.0001	Perforated lid aluminium 300x0.6mm for contact plate		--
101.295	06.6023.01	1.19363.0001	Perforated lid aluminium 300x0.6mm with edge protection		ALH
101.200	06.6021.01	1.09088.0001	Perforated lid aluminium 400x0.7mm	Standard lid for MAS-100 Eco	BLG
101.230	06.7120.01	1.09213.0001	Perforated lid aluminium 400x0.7mm for contact plate		BLK
130.1868	06.7121.01	n.a.	Perforated lid aluminium 400x0.7mm for contact plate including adapter set		--
101.296	06.6024.01	1.19364.0001	Perforated lid aluminium 400x0.7mm with edge protection		BLH
101.292	04.4953.01	1.09189.0001	Perforated lid stainless steel 300x0.6mm with edge protection	Standard lid for MAS-100 Iso	ANH
130.1794	04.4956.01	1.19154.0001	Perforated lid stainless steel 300x0.6mm with edge protection and handle		ANI
101.293	04.4954.01	1.09222.0001	Perforated lid stainless steel 400x0.7mm with edge protection		BNH
130.4039	04.4949.01	1173140001	RapidMicroBio perforated lid stainless steel 300x0.6mm	Standard lid for GrowthDirect™ plates in isolators	ANL
130.0325	06.6018.01	1.19166.0001	RapidMicroBio perforated lid alu 400x0.7mm with 3 clamps	Set for adapting MAS-100 NT/NT Ex to GrowthDirect™ plates	LBI
130.0322.02	06.6012.01	1173180001	RapidMicroBio perforated lid alu 400x0.7mm		BLI
130.3564	06.6048.01	1173150001	RapidMicroBio perforated lid alu 300x0.6mm		ALI
130.3565	06.6050.01	1.17316.0001	RapidMicroBio perforated lid alu 300x0.6mm with 3 clamps	Set for adapting MAS-100 NT/NT Ex to GrowthDirect™ plates	ALI
130.4457	08.8110.01	1.17357.0001	Head with perforated lid 300x0.6mm		ALA
130.4458	08.8115.01	1.17363.0001	Head with perforated lid 300x0.47mm		CLA

MBV AG

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