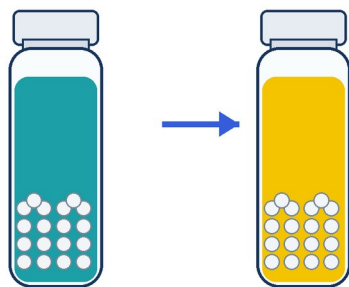


MZS-5635 Vial Construction

Not to scale



Before use **Acceptable endpoint**

2 mL clear glass vial | 31 mm high x 11 mm OD | 1.5 mL solution
 16-20 glass beads | bead diameter 3.0 +/- 0.2 mm

Product overview: Ready-to-use, single-use colorimetric vial for routine monitoring, comparative trending and mapping of cavitation activity in ultrasonic cleaning baths.

Scope limitation: Visual qualitative/comparative endpoint only. Not a calibrated dB or W/cm² meter and not a direct cleanliness, disinfection or sterilization test.

Physical specification

Product codes: MZS-5635 (25/box); MZS-5635-30 (30/box)

Format: Sealed clear-glass colorimetric vial

Nominal vial capacity: 2 mL

Vial dimensions: 31 mm high x 11 mm outside diameter

Indicator solution: 1.5 mL; blue-green initial color

Cavitation elements: 16-20 glass beads

Bead diameter: 3.0 +/- 0.2 mm

Endpoint: Transparent yellow

Readout: Visual colorimetric

Reusability: Single use

Traceability

- Removable label: REF, LOT, EXP and Vial/Position No.
- Multi-test record sheet included in the standard box.
- Routine and mapping records downloadable from MEDIWISH.

Test and interpretation

Minimum interpretable exposure: 3 minutes

Standard MEDIWISH cycle: 5 minutes, uninterrupted

Diagnostic extension: Up to 7 minutes after an unsatisfactory 5-minute endpoint

Typical onset: Color transition may begin within the first minute

Read time: Immediately; preferably within 1 minute; no later than 5 minutes

Acceptable: Transparent yellow by 5 minutes

Unsatisfactory: Green/light green at 5 minutes

Fail: No visible change / blue-green at 5 minutes

Delayed: Yellow only after >5 to 7 minutes; investigate and repeat

Relative timing

Under otherwise identical conditions, a shorter time to yellow generally indicates a stronger relative response at the tested location.

Do not compare endpoint times when equipment, liquid, detergent concentration, temperature, degassing, load, position or test duration differ.

Minimum layouts

Periodic mapping: <=5 L: 4; 5-20 L: 6; >20 L: 12 positions

Routine function: <=5 L: 1; 5-20 L: 2; >20 L: 3 positions

Multi-level: At least one vial per basket per level for routine testing

Multi-bay: Treat each bay as an independent tank

Intended use and applications

- Routine Cavitation Function Test (daily or weekly according to facility policy)
- Periodic Cavitation Mapping Test at setup, planned intervals or after repair
- Post-service checks and investigation of uneven cavitation response
- Tabletop, single-chamber, multi-level and multi-bay ultrasonic systems
- Automated washers only during a separately accessible ultrasonic stage

>= 35 kHz | 18-70 °C | 5 min standard cycle

Read within 5 min | 25 / 30 vials per box | 24-month shelf life

Storage and packaging

Storage: 2-25 °C in original packaging

Protection: Protect from direct light and heat

Freezing: Do not freeze

Shelf life: 24 months from date of manufacture under specified conditions

Standard pack: MZS-5635: 25 vials/box

Pack variation: MZS-5635-30: 30 vials/box

Automated washer limitation

Use only during a separately accessible ultrasonic stage. Remove before thermal disinfection, high-temperature rinsing or drying. Do not process through a complete washer-disinfect cycle unless specifically validated by MEDIWISH.

Manufacturer / QMS

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Product page and current documents