maxill u·test
Ultrasonic Cleaning Indicators

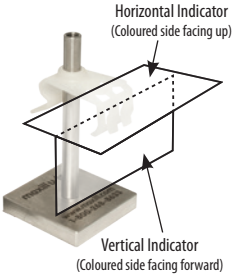
Directions for Use – Initial evaluation to determine indicator type

maxill u-test Ultrasonic Cleaning Indicators have been engineered to simulate various contaminants with different wash-off characteristics and are used to monitor the cleaning efficacy inside the ultrasonic bath. The process of determining the right indicator to monitor your ultrasonic cleaning unit depends on the size and power output(s) of the unit, the time and temperature of the cycles used, and the cleaning solution used.

By determining the indicator that achieves a colour wash-off of approximately 50% a benchmark can be established that can then be used for comparison in future routine testing. Your maxill product specialist will guide you through the process of determining the right indicator. Once the proper indicator type is selected, this type of indicator should be used for all future routine ultrasonic unit testing.

Please read all instructions before beginning.

1. Disinfect the unit following the manufacturer's instructions.
2. Fill the ultrasonic unit with cleaning solution according to the manufacturer's instructions.
3. Select the appropriate indicator holders for the depth of the ultrasonic bath. Holders are available in TWO heights, regular (8.7 cm) and large (16.7 cm). The large holder includes TWO clips to test multiple depths.
4. Place TWO indicators of the same colour into the plastic clip. Each clip accommodates ONE horizontal and ONE vertical position. Place ONE indicator horizontally and ONE vertically. Position the vertical indicator with the colour media facing forward, and the horizontal indicator with the colour media facing up. Take care not to touch the coloured portion of the indicator. Contamination may influence the wash-off characteristics of the indicator. If using the large holder, repeat the process for the second clip. Multiple holders and indicators may be used in larger baths.



5. Place the holder into the bath. Do not place the holder directly on the tank bottom. Place them in the ultrasonic basket. Ensure indicators are fully submerged. Make note of the position to ensure consistency in all tests performed.
6. Start the ultrasonic bath and allow it to run for a minimum of 2 minutes.
7. Turn off the ultrasonic bath and remove the holders. Remove the indicators and allow to dry.
8. Repeat steps 4 to 7 for all FOUR indicator colours.
9. Observe all FOUR groups to determine which indicator colour has washed off by approximately 50%.
10. Place the selected indicators into the provided bag and adhere it to the log in the area designated for the benchmark indicator. This will be used for comparison for all future routine testing.

Indicator Placement

Small Bath
(Up to 5 litres)

X

Medium Bath
(5 to 20 litres)

X X

Large Bath
(Above 20 litres)

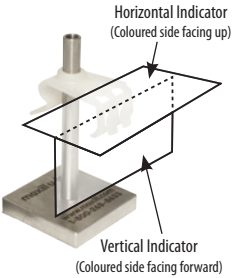
X X X

Directions for Use – Routine monitoring

Once a benchmark indicator has been established using the maxill u-test Evaluation Kit, routine testing can be done to monitor the cleaning efficacy inside the ultrasonic bath. A minimum of one maxill u-test ultrasonic cleaning indicator test should be performed per week, and ideally one test at the start of each day to verify the cleaning process.

Please read all instructions before beginning.

1. Disinfect the unit following the manufacturer's instructions.
2. Fill the ultrasonic unit with cleaning solution according to the manufacturer's instructions.
3. Select the appropriate indicator holders for the depth of the ultrasonic bath. Holders are available in TWO heights, regular (8.7 cm) and large (16.7 cm). The large holder includes TWO clips to test multiple depths.
4. Using ONE holder, place TWO indicators into the plastic clip. Place ONE indicator horizontally and ONE vertically. Take care not to touch the coloured portion of the indicator. Contamination may influence the wash-off characteristics of the indicator. If using the large holder, repeat the process for the second clip. Multiple holders and indicators may be used in larger baths.
5. Place the holder into the bath. Do not place the holders directly on the tank bottom. Place them in the ultrasonic basket. Ensure indicators are fully submerged. Position the holder in the same location for each test to ensure consistency in routine testing.
6. Start the ultrasonic bath and allow it to run for 2 minutes.
7. Turn off the ultrasonic bath and remove the holder. Remove the indicators and allow to dry.
8. Compare the indicators with your benchmark sample and log the results. If the amount of media washed off of the indicator differs significantly from the benchmark indicators, the cleaning efficiency of your bath has changed. This indicates a change in at least one of the following variables: the power output(s) of the unit, the temperature of the cycles, or the cleaning solution used.
9. Once results have been logged the indicators may be discarded.



Indicator Placement

Small Bath
(Up to 5 litres)

X

Medium Bath
(5 to 20 litres)

X	X

Large Bath
(Above 20 litres)

X	X	X

Storage and Handling

1. Store maxill u-test Ultrasonic Cleaning Indicators in their original packaging between 5 – 30°C at a humidity of 5 – 80% RH.
2. Do not store with other chemicals or in areas with extreme highs and lows of humidity.

maxill inc.®
www.maxill.com 1-800-268-8633

Manufactured for:
USA: maxill inc.
Cortland, OH
44410 USA

Manufacturer:
Canada: maxill inc.
St. Thomas, ON
N5R 6C8 Canada

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