Introduction | Process Cleaning Indicators

The Control of cleaning of dental instruments and materials is of vital importance, as the result affects subsequent disinfection processes. Cleaning control is particulary relevent in automatic washing machines, where even though process parameters can be controlled the final cleaning result can be affected by uncontrollable factors. For example washer efficacy is influenced by detergent, water temperature, time & washing penetration. Effective cleaning is achieved by correct combination of these factors.

Chemdye Cleaning Indicators

Chemdye CDWA indicators consist of a 70 x 30mm temperature stable indicator containing a mixture of specially combined natural colored componants (proteins, carbohydrates, fatty acids & dyes). The test soil is non-toxic and will dissolve with the cleaning agent. The chemdye indicators will detect all factors that can effect the result of the cleaning process. Chemdye indicators are suitable for routine monitoring of washer disinfectors and ultrasonics and will give you a visual indication of how effective your cleaning process is.
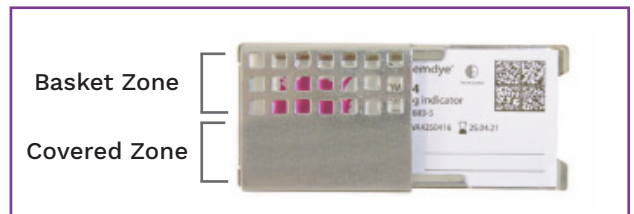
CDWA Cleaning system offers 2 different levels of indicators with different adhesion characteristics, thus allowing different challenge levels to test cleaning efficiency.

Both indicators are **ISO/TS 1588305:2005** standard.

Zones of Effect | Process Cleaning Indicators

Chemdye indicators must be used with the CDWAH holder. The holder mimics a realistic challenge, and will show you how well your process is cleaning hard to reach areas.

When placed in the holder, half of the test soil will be obscured. This is the **Covered Zone.** This will simulate the cleaning of a joint of a surgical instrument, as the water stream will only hit it indirectly. The other half of the indicator is covered by mesh, this is the **Basket Zone**. This mimics shadowed or occluded surfaces as the water stream will have difficulty reaching the indicator.

Basket Zone

Covered Zone

Basket Zone Influence Factors	Covered Zone Influence Factors
■ Water Pressure	■ Water Quality
■ Spray System Performance	■ Cycle Duration
■ Detergent Chemistry	■ Detergent Chemistry
■ Detergent Concetration	■ Detergent Concetration
■ Temperature	■ Temperature

Instructions for Use | Process Cleaning Indicators

1. Establish your process parameters. Use the page 4 to enter information about your machine and cleaning process. This should be the same for all subsequent cycles. This should also detail the process for one machine only. If you need to run cycles on multiple machines please contact us for another logbook.

2. Choose the appropriate indicator according to the desired difficulty. Blue is a high challenge test, Fuchsia is a very high challenge test

3. Insert the indicator into the indicator holder. **Chemdye indicators must be used with the indicator holder.**

4. Place the holder into the tray of your Washer disinfector or ultrasonic and run a cycle

5. Once the cycle is over remove the indicator from its holder.

6. Use the reference guide below to analyze the results and record in the log sheets. If the result is a fail perform appropriate corrective actions and perform another test to ensure your process is effective.

Reading the Results | Process Cleaning Indicators

Visual Results	Results Reference Guide (✓OK / X Fail)						
	BASKET ZONE Influence Factors			**COVERED ZONE Influence Factors**			
	Location Inside Washer	Water Pressure	Mechanical Functions	Temperature	Exposure Time	Detergent (Type, Dose)	Water Quality
○	✓	✓	✓	✓	✓	✓	✓
○	✓	✓	✓	X	X	X	X
○	✓	✓	✓	XX	XX	XX	XX
○	✓	✓	✓	XXX	XXX	XXX	XXX
●	X	X	X	XXX	XXX	XXX	XXX
○	X	X	XXX	XXX	XXX	XXX	XXX
●	XXX	XXX	XXX	XXX	XXX	XXX	XXX

Example Results | Process Cleaning Indicators

Date of Process:	02/08/2018

Chemdye®
CDWA3 ISO/TS 15883-5
Cleaning indicator
LOT CDWA3250817
2022-08
TERRAGENE®
OK

Cleaning Process Validated?	Yes ✓ No ☐
Corrective Actions	N/A

Date of Process:	03/08/2018

Chemdye®
CDWA3 ISO/TS 15883-5
Cleaning indicator
LOT CDWA3250817
2022-08
TERRAGENE®
OK

Cleaning Process Validated?	Yes ☐ No ✓
Corrective Actions	Refilled Detergent

Re-order Codes | Process Cleaning Indicators

Blue/Fuschia Indicators (Pack of 200)

Code - CDWA3(B) CDWA4(F)

Additional Metal Holders (Single Holder)

Code - CDWAH

Cleaning Indicator Logbook

Code - LB-QWS-TST