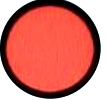




WASHER-DISINFECTOR CLEANING MONITOR

TROUBLESHOOTING GUIDE

Result	Description	Possible Reasons for Result	Level 1: Corrective Action (conducted by Sterile Processing personnel)	Level 2: Corrective Action (conducted by Technical Service)
 Pass (Optimum Result)	Red test soil is completely removed and no residuals are left. The result indicates sufficient cleaning achieved at the place of positioning of the Cleaning Monitor.	Optimal Result	Not Applicable	Not Applicable
 Fail (Moderate Results)	Most of the test soil is being removed however some residuals of the red spot are detected primarily in the areas protected by the Cleaning Monitor Holder.	• Incorrect positioning for Washer-Disinfector Monitor i.e. positioning some of the instruments in the load prevents direct access of cleaning solutions to the Cleaning Monitor (shadowing) • Cleaning time too short • Cleaning temperature does not match recommendation for solutions • Dosage of the cleaning solutions too low • Clogged or loose spray arms	• Assure the time and temperature for the wash cycle matches what is recommended by the manufacturer of the washing solutions • Check dosage • Check function of detergent pump. Mark the detergent bottles to ensure pump is administering detergents • Check pump lines for clogs • Check expiration date of cleaner (IMPORTANT WHEN USING ENZYMATIC CLEANERS) • Assure spray arms are tight, free of clogs and water ports on spray arms are oriented for maximum efficiency	If Level 1 corrective action doesn't change the results consider other possible reasons: • Adjust cleaning time and/or temperature to fit with chemistry in use • Extend cleaning time • Increase dosage per washing cycle • Repair or replace spray arms • Check function of the pump
 Fail (Insufficient Results)	Major portion of the red test soil is being removed however residuals are clearly visible.	• Incorrect positioning for Washer-Disinfector Monitor i.e. positioning some of the instruments in the load prevents direct access of cleaning solutions to the Cleaning Monitor (shadowing) • Overloading or incorrect loading • Cleaning time too short • Cleaning temperature does not match recommendation for solutions • Dosage of the cleaning solutions is too low • No uniform distribution of detergent • Clogged or loose spray arms • Insufficient water pressure • Residuals from pre-cleaning	• Make sure that the time and temperature for the wash cycle are the same as recommended by the manufacturer of the washing solutions • Check dosage • Check function of detergent pump. Mark the detergent bottles to ensure pump is administering detergents • Check pump lines for clogs • Check expiration date of cleaner (IMPORTANT WHEN USING ENZYMATIC CLEANERS) • Check functioning of spray system (free movement) • Assure spray arms are tight, free of clogs and water ports on spray arms are oriented for maximum efficiency • Check efficiency of the pre-rinsing protocol to avoid residuals	If Level 1 corrective action doesn't change the results consider other possible reasons: • Adjust cleaning time and/or temperature to fit with chemistry in use • Extend cleaning time • Increase dosage per washing cycle • Repair or replace spray arms • Check function of the pump
 Fail (Critical/Poor Results)	Red test soil is largely or completely unaffected.	• Incorrect positioning of Washer-Disinfector Monitor i.e. positioning some of the instruments in the load prevents direct access of cleaning solutions to the Cleaning Monitor (shadowing) • Overloading or incorrect loading • Cleaning time too short • Cleaning temperature does not match recommendation for solutions • Dosage of the cleaning solutions too low • No uniform distribution of detergent • Clogged or loose spray arms • Insufficient water pressure • Residuals from pre-cleaning • Incorrect temperature for solutions • No cold pre-rinsing step in place or pre-rinsing too hot • Complete breakdown of the washing machine or the detergent	• Repeat wash cycle using smaller load, ensure that indicators are not blocked by instruments • Adjust cleaning time and or temperature to fit with chemistry in use • Extend cleaning time • Assure spray arms are tight, free of clogs and water ports on spray arms are oriented for maximum efficiency • Check function of detergent pump. Mark the detergent bottles to ensure pump is administering detergents • Check efficiency of the pre-rinsing protocol to avoid residuals IMPORTANT NOTE: In case of continuous malfunction it is strongly recommended not to use the Washer-Disinfector unless problems have been identified and resolved!	If Level 1 corrective action doesn't change the results consider other possible reasons: • Adjust cleaning time and/or temperature to fit with chemistry in use • Extend cleaning time • Increase dosage per washing cycle • Repair or replace spray arms • Check function of the pump • Conduct complete maintenance and repair defective spare parts