

CLEANING, DISINFECTION AND STERILISATION OF MUSICAL INSTRUMENTS

MARCH 2021

THREE PROCESSES

| CLEANING | DISINFECTION | STERILISATION |
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| <ul style="list-style-type: none">• Achieve/Maintain to a standard deemed visually clean.• Removal of foreign material from surface areas and objects.• Reduces amount of organic matter that develops the spread of bacteria and viruses. | <ul style="list-style-type: none">• Does not remove dirt. (hence needs cleaned first)• Destroys pathogenic (virus and bacteria) micro-organisms and <u>most</u> organisms on surfaces.• Destroys or interferes with the metabolism (rate of spread) of cell wall of Microbes.• Does not kill all micro/organisms.• Less effective than sterilisation.• Disinfected for longer time than sterilisation | <ul style="list-style-type: none">• Eliminates/kills All forms of virus fungi bacteria spore forms• Time limited -<u>Airborne</u> not sterile anymore. -<u>Touched/Handled</u> not sterile anymore but it is clinically clean. |

PRODUCTS AND METHODS TYPES FOR

CLEANING BRASS INSTRUMENTS

| CLEANING | DISINFECTION | STERILISATION |
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| <ul style="list-style-type: none"> • FLUID: Soap and water Mild detergent • FRICTION: Rubbing/scrubbing with a cloth Wipe with cloth (soaked with warm not hot soapy water) Lint free cloth • BRUSHING Mouthpiece brushes Tuning slide brushes Tuning slide flexi brushes • WITHOUT Cleaning Disinfection and Sterilisation are <u>less effective</u> | <ul style="list-style-type: none"> • Soapy water • Manufactured brass soaks (Brass Soak, Edgeware Brass Soap (Eco Friendly)) • Mild detergents • Milton Disinfecting Fluid used by hospitals for floors end utensils etc • Always dilute detergents and disinfectant fluid with water %'s stated in the instructions. | <ul style="list-style-type: none"> • Ultrasonic Cleaning • Chemical Cleaning • Lime scale remover C10 Winterhalter descaler for example • Antiseptic hand wipes baby wipes • Isopropyl Alcohol Wipes Cleaner (not hard rubber mouthpieces) • Sterisol Germicide Solution (plastics, hard rubbers and metals) • Windcraft Steri-spray water based Mi-T Mist mouthpiece Cleaner water based (not hard rubber mouthpieces) • Water/Vinegar solution 50%water to 50% vinegar • Water/Hydrogen peroxide 50% water to 50% Hydrogen peroxide |

CLEANING METHODS FOR **BRASS** INSTRUMENTS

| <u>METAL MOUTHPIECES (GOLD/SILVER PLATED)</u> | <u>METAL MOUTHPIECES (GOLD/SILVER PLATED)</u> | <u>METAL MOUTHPIECES (GOLD/SILVER PLATED)</u> |
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| CLEANING | DISINFECTION | STERILISATION |
| <ul style="list-style-type: none"> • Wash hands thoroughly • Use Disposable gloves • Use warm soapy water with a cloth for the outside surfaces • Use a clean mouthpiece brush inside (dampen with water first) • Rinse inside of mouthpiece with the brush and warm water • Clean brush after use • Rinse mouthpiece and dry thoroughly • Dispose of paper towels and gloves safely in the bin. | <ul style="list-style-type: none"> • Wash hands thoroughly • Use Disposable gloves • Soak in a cold diluted Milton Disinfectant fluid solution 2 minutes • Spray with disinfectant solution • Leave on a dry paper towel for one minute • Wipe dry with paper towel • Ready to use | <ul style="list-style-type: none"> • Wash hands thoroughly • Use Disposable gloves • Steri Sprays • Ultrasonic Cleaner (deep clean) removes: <ul style="list-style-type: none"> dirt oil rust grease Algae Fungi Bacteria Mold limescale polishing agents Biological soil: blood |

| PLASTIC MOUTHPIECES | PLASTIC MOUTHPIECES | PLASTIC MOUTHPIECES |
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| CLEANING | DISINFECTION | STERILISATION |
| <ul style="list-style-type: none"> • Wash hands thoroughly • Use Disposable gloves • Use warm soapy water with a cloth for the outside surfaces • Use a clean mouthpiece brush inside (dampen with water first) • Rinse inside of mouthpiece with the brush and warm water • Clean brush after use • Rinse mouthpiece and dry thoroughly • Dispose of paper towels and gloves safely in the bin. | <ul style="list-style-type: none"> • Wash hands thoroughly • Use Disposable gloves • Soak in a cold diluted Milton Disinfectant fluid solution 2 minutes • Spray with disinfectant solution • Leave on a dry paper towel for one minute • Wipe dry with paper towel • Ready to use | <ul style="list-style-type: none"> • Wash hands thoroughly • Use Disposable gloves • Steri Sprays |

| PLASTIC INSTRUMENTS | PLASTIC INSTRUMENTS | PLASTIC INSTRUMENTS |
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| CLEANING | DISINFECTION | STERILISATION |
| <ul style="list-style-type: none"> • Wash hands thoroughly • Use Disposable gloves • Remove mouthpiece • Immerse the whole instrument in to warm soapy water for 20 minutes (in a bath, plastic trough of appropriate size from garden centres) • Use special brass flexi brushes to clean inside the instrument • Rinse out with warm water • Ensure all water is out of instrument and wipe the inside of the bell • Dry instrument and mouthpiece with a dry soft cloth • Return instrument to case • Clean all surfaces and cleaning tools used • Dispose of any waste material or cloths • Own instrument ready for use • Instrument for other persons use • Leave to sit for 72 hours | <ul style="list-style-type: none"> • Wash hands thoroughly • Use Disposable gloves • Remove mouthpiece • Immerse the whole instrument in to cold diluted disinfectant water solution for 30 minutes (in a bath, plastic trough of appropriate size from garden centres) • Use special brass flexi brushes to clean inside the instrument • Rinse out with warm water • Ensure all disinfectant water solution is out of instrument • Rinse with cold water • Dry instrument and mouthpiece with a dry soft cloth • Return instrument to case • Clean all surfaces and cleaning tools used • Dispose of any waste material or cloths • Own instrument ready for use • Instrument for other persons use • Leave to sit for 72 hours | <ul style="list-style-type: none"> • Wash hands thoroughly • Use Disposable gloves • Steri spray for mouthpiece • Antiseptic wipes for instrument • Own instrument ready for use • Instrument for other persons use • Leave to sit for 72 hours |

| BRASS INSTRUMENTS PLATED/LACQUERED | BRASS INSTRUMENTS PLATED/LACQUERED | BRASS INSTRUMENTS PLATED/LACQUERED |
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| CLEANING | DISINFECTION | STERILISATION |
| <ul style="list-style-type: none"> • Wash hands thoroughly • Use Disposable gloves • Remove mouthpiece, all tuning slides and valves from the instrument • Dismantle the valves taking out the springs, finger buttons lower casing caps, valve caps, felts, valve stems and valve guides • Immerse the whole instrument and dismantled valves in to warm soapy water for 20 minutes (in a bath, plastic trough of appropriate size from garden centres) • Use special brass flexi brushes to clean inside the instrument and tuning slides • Rinse out all parts with warm water • Take out each part and dry thoroughly with a clean dry cloth • Ensure all water is out of instrument and slides and wipe the inside of the bell • Grease each slides with correct tuning slide grease including the inner tuning slide exposed on the body of the | <ul style="list-style-type: none"> • Wash hands thoroughly • Use Disposable gloves • Remove mouthpiece, all tuning slides and valves from the instrument • Dismantle the valves taking out the springs, finger buttons lower casing caps, valve caps, felts, valve stems and valve guides • Immerse the whole instrument and dismantled valves in to cold diluted disinfectant water solution for 30 minutes (in a bath, plastic trough of appropriate size from garden centres) • Use special brass flexi brushes to clean inside the instrument and tuning slides • Rinse out all parts with warm water • Take out each part and dry thoroughly with a clean dry cloth • Ensure all water is out of instrument and slides and wipe the inside of the bell • Grease each slides with correct tuning slide grease including the inner tuning slide exposed on the body of the | <ul style="list-style-type: none"> • Wash hands thoroughly • Use Disposable gloves • Remove mouthpiece, all tuning slides and valves from the instrument • Dismantle the valves taking out the springs, finger buttons lower casing caps, valve caps, felts, valve stems and valve guides • Immerse the whole instrument in to the Ultrasonic cleaning machine (size permitting) and place the mouthpiece, valves and valve caps only to the basket close the lid and soak for 10-20 minutes • Take out all parts and the instrument and let dry • Grease each slides with correct tuning slide grease including the inner tuning slide exposed on the body of the instrument and place back on the instrument • Dry the valves with a lint free cloth in a gentle motion • Put back the valve guide, spring, valve stem, felt, valve cap, finger button and |

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| <p>instrument and place back on the instrument</p> <ul style="list-style-type: none"> • Dry the valves with a lint free cloth in a gentle motion • Put back the valve guide, spring, valve stem, felt, valve cap, finger button and lower valve casing cap to each valve • Add drops of valve oil and return to the correct valve casing. • Return instrument to case • Clean all surfaces and cleaning tools used • Dispose of any waste material or cloths • Own instrument ready for use • Instrument for other persons use • Leave to sit for 72 hours | <p>instrument and place back on the instrument</p> <ul style="list-style-type: none"> • Dry the valves with a lint free cloth in a gentle motion • Put back the valve guide, spring, valve stem, felt, valve cap, finger button and lower valve casing cap to each valve • Add drops of valve oil and return to the correct valve casing. • Return instrument to case • Clean all surfaces and cleaning tools used • Dispose of any waste material or cloths • Own instrument ready for use • Instrument for other persons use • Leave to sit for 72 hours | <p>lower valve casing cap to each valve</p> <ul style="list-style-type: none"> • Add drops of valve oil and return to the correct valve casing. • Return instrument to case • Clean all surfaces and cleaning tools used • Dispose of any waste material or cloths • Own instrument use • Instrument for other persons use • Leave to sit for 72 hours (as soon as the instrument and parts are Airborne or handled no longer sterile) <p>Chemically Cleaned</p> <ul style="list-style-type: none"> • Wash hands thoroughly • Use long gloves designed for chemical protection • Wear a mask • Wear eye protection glasses • Remove mouthpiece, all tuning slides and valves from the instrument • Dismantle the valves taking out the springs, finger buttons lower casing caps, valve caps, felts, valve stems and valve guides • Immerse the whole instrument in to |
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| | | <p>the Chemical to water solution as per instructions on the product (size permitting) and place the mouthpiece, valves and valve caps only to the basket for 10-20 minutes</p> <ul style="list-style-type: none">• Take out all parts and the instrument and let dry• Grease each slides with correct tuning slide grease including the inner tuning slide exposed on the body of the instrument and place back on the instrument• Dry the valves with a lint free cloth in a gentle motion• Put back the valve guide, spring, valve stem, felt, valve cap, finger button and lower valve casing cap to each valve• Add drops of valve oil and return to the correct valve casing.• Return instrument to case• Clean all surfaces and cleaning tools used |
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This document is compiled in March 2021 by Denise Crighton-Ward. Information is sourced from the following organisations and websites:

NAMIR (National Association of Musical Instrument Repairers)

NAPBIRT (National Association of Professional Instrument Repair Technicians)

CDC (Centres for Diseases Control and Prevention)

BBICO (British Brass Band Instrument Company)

NEMC

NFHS

MIA

NAfME Foundation

NAMM Foundation

ISM Incorporated Society for Musicians

Yamaha

Oklahoma State Department of Health Acute Disease Service

www.mia.org.uk

www.nfhs.org

www.connellymusic.com

www.ism.org

www.bbico.com

