

RUST*



CAUSE

- Sterilising instruments of dissimilar metals in same cycle
- Chemicals in detergents or excess amounts of iron or other minerals from local water supply

TREATMENT

- Separate instruments by metal type prior to sterilisation
- Use neutral pH detergents and change to distilled water. Particularly if local water supply is high in iron or other minerals.
- Wipe off residue leaving shiny metal underneath
- Use stain remover on both instruments and autoclave

* Refer to
bydandmedical.com.au/maintenance/stain-identifications

ARMO
surgical instruments

KLINI
instruments by anton hipp
GERMANY

ANTON HIPPI
Instruments & Implants

Instrument Maintenance Kit (IMK001)



Contains all you need to revitalise your instruments:

- Surgistain 250ml
- Medlube Spray
- Nylon Brush
- Stainless steel Kidney Dish



Instrument Stain Identification & Treatment

Macquarie
Medical Systems

301 Catherine St, Leichhardt NSW 2040

Phone: (02) 9692 7921
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Instrument Stain Identification and Treatment



Contrary to popular belief the majority of instrument staining problems are not caused by faults within the instruments or the metal used within the manufacturing process. In fact over 95% of instrument staining is caused by incorrect or inadequate cleaning and sterilising processes.

The following list has been compiled in order to assist those involved in the instrument cleaning and sterilisation process to identify the cause of instrument staining and recommended methods to eliminate future staining.

ORANGE-BROWN TO REDDISH* (resembles rust)



BEFORE



AFTER

CAUSE

If stain rubs off and no pitting exists, problem is most likely to be from:

- Detergent residue on towels or a high Alkaline pH (>8) detergent is being used leaving a phosphate surface deposit
- Dried blood
- Iodine or betadine residue

TREATMENT

- Check pH level of detergent and change to neutral pH detergent
- Check pH of towels to verify if detergent residues are present
- Rinse instruments thoroughly in warm water for a minimum of 30 seconds
- Use a stain remover on both instruments and autoclave
- If problem persists, consider changing to distilled water for rinsing process. Particularly if local water supply is high in iron or other minerals

RAINBOW OR MULTI-COLOUR*



BEFORE



AFTER

CAUSE

- Instruments have been heat compromised, tensile strength could be effected

TREATMENT

- Check the autoclave for proper temperature
- Wash with stain remover

SPOTTING & PITTING



BEFORE

Water marks



AFTER

Pitting evident

CAUSE

- Slow evaporation of water drops with mineral content
- Instrument wraps and towels may contain detergent residue

TREATMENT

- Eliminate water droplets and moisture by adhering to autoclave operating instructions
- Use stain remover on both the instruments and autoclave
- Use neutral pH detergents and change to distilled water. Particularly if local water supply is high in iron or other minerals.
- Wash wraps and towels in neutral pH detergent