

Statement on

**Material Compatibility of
Sekusept aktiv,
a manual reprocessing instrument disinfectant,
against Metals**

The test behaviour of **Sekusept aktiv**, a manual reprocessing instrument disinfectant, against different metals gives reference to the general evaluation in respect of corrosion and material compatibility in practical use.

Metal plates are dipped into the recommended product solution according to standardized guidelines and the influence of **Sekusept aktiv**, a manual reprocessing instrument disinfectant, on these plates is investigated.

Following materials have been checked:

Stainless steel V2A	1.4301
Stainless steel V4A	1.4571
Copper	
Brass	
Aluminium	
Coloured anodized Aluminium	

Test guidelines:

The metal plates (50 x 100 x 1 mm) are weighed on an electronic analytical scales and solitary dipped into the recommended product solutions created out of tap water of 16 °d and of 2,0 % of **Sekusept aktiv**, a manual reprocessing instrument Disinfectant, at room temperature. Each plate is placed solitary in a glass receptacle for excluding any external influence.

The product solutions is changed and renewed daily.

The test period is lasting 3 weeks and next to control measurements every week the metal plates and the product solutions are checked visually.

Weight loss in [%] of each metal plate is resulting in the difference of the weight after the test and the original weight indicating corrosion susceptibility and material compatibility.

For better evaluation of the real product impact the test is carried out in parallel using all metal plates dipped in tap water of 16 °d only.

Results:

The plates made of stainless steel 1.4301 (V2A) and 1.4571 (V4A) showed no weight loss. Material compatibility can be assessed as very good.

Also plates made out of Brass and Aluminium showed no weight loss, even though the surface was slightly tarnished. The silver, blue and red anodized plates were not damaged. Only the red plate showed fading of the colour.

For the Copper plates the weight loss of approx. 0,42 % was already indicated by heavy tarnishing and discolouration of the surface.

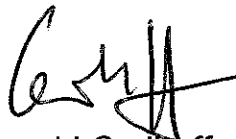
The material compatibility of **Sekusept aktiv**, a manual reprocessing instrument disinfectant, can be rated as very good when applied in the recommended concentration.

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