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[\[PDF \(2943K\)\]](#) [\[References\]](#)**The influence of storing alginate impressions sprayed with disinfectant on dimensional accuracy and deformation of maxillary edentulous stone models**[Hisako HIRAGUCHI](#)<sup>1)2)</sup>, [Masahiro KAKETANI](#)<sup>1)2)</sup>, [Hideharu HIROSE](#)<sup>1)2)</sup> and [Takayuki YONEYAMA](#)<sup>1)2)</sup>

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**Abstract:**

This study investigated the effects of storing impressions for 3 hours after spraying them with a disinfectant solution on dimensional change and deformation of maxillary edentulous stone models. Three brands of alginate impression materials, characterized by a small degree of contraction in 100% relative humidity, were used. The spray disinfectants used were 1% sodium hypochlorite solution and 2% glutaraldehyde solution. A stone model taken from an impression that had not been sprayed or stored was prepared as a control. The results indicated that the differences in dimensional change between the control and disinfected stone models were less than 24  $\mu\text{m}$ , and that no deformation was observed in the stone models.

**Key words:**[Alginate impression materials](#), [Spray disinfection](#), [Dimensional accuracy](#)[\[PDF \(2943K\)\]](#) [\[References\]](#)Download Meta of Article [\[Help\]](#)[RIS](#)

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