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The Angle Orthodontist: Vol. 60, No. 2, pp. 123–128.

The dimensional stability of self-disinfecting alginate impressions compared to various immersion regimes

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ABSTRACT

Alginate impressions of a master acrylic study model pair were made in order to assess the effect of various disinfection techniques on dimensional stability. Impressions were made using self-disinfecting alginate, traditional alginate which had been dipped or soaked in a disinfecting solution, and included was a control group which was not disinfected. Inter- and intra-arch linear measurements of the resultant study casts were made using a Reflex Metrograph. The small differences found for the variables measured were not statistically significant.

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KEY WORDS: Alginate, Disinfection, Dimensional stability, Study casts, Reflex Metrograph.