



TP Orthodontics Guidance on Sterilization – Single-Use Metal Devices

TP Orthodontics devices are provided in a non-sterile condition and are solely intended for use by trained dental professionals. The user is responsible for cleaning, disinfection, and sterilization of devices as applicable and for compliance to any standards or regulations (local, regional, national, or international).

While TP Orthodontics does not provide instructions or recommendations for the sterilization of single-use metal devices, the scientific literature supports that orthodontic metal devices may be heat sterilized to achieve sterility^(1; 4). Heat sterilization parameters suggested in the literature are autoclaving 15-21 minutes at 121°C (250°F) or 3 minutes at 134°C (273°F) followed by a cooling down period of 40 minutes to 1 hour or dry-heat sterilization at 160°C (320°F) for 1-2 hours duration or 190°C (374°F) for 6 to 12 minutes^(1; 2; 3).

References

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2. **Parul Punia, Davender Kumar, Rajiv Tanwar, Ravinder Solanki, Monika Khangwal.** METHODS OF STERILIZATION IN ORTHODONTICS :A REVIEW. *Int J Dent Health Sci.* 2014, Vol. 1, 4, pp. 610-616.
3. **Duggal Rohit, Munjal Sudhir, Kaur Amandeep and Natt Amanpreet Singh.** STERILIZATION IN ORTHODONTICS – A REVIEW. *International Journal of Current Research.* 2016, Vol. 8, 9, pp. 39056-39059.
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