

Bite Registration Tips and Techniques

- Select a bite material that is accurate and stable. Avoid materials that are very elastic, as they create an inaccurate compression and rebound situation when the models are articulated. You should be able to cut and trim the material without it breaking apart. Wax is unsuitable because it will change with temperatures. Luxabite is ideal.
- For posterior restorations in which posterior stops are being eliminated during prepping, take the bite before the most posterior stop is reduced. For example, let's say teeth numbers 12, 13, 14 and 15 are being restored and oppose a full complement of mandibular teeth; #16 has been extracted. First reduce numbers 12, 13 and 14 and place the registration material over those teeth. Once the registration is set and removed, prep #15. This prevents the patient from over-closing when the bite is taken. If both posterior sections of the same arch are being restored at the same time, don't reduce #15 and #2 until the bite on the opposing side is taken.
- When prepping opposing posterior arches at the same time, leave the most posterior tooth on the maxillary arch in occlusal contact with the most posterior tooth on the mandibular arch. Before taking the bite registration, evaluate the amount of occlusal reduction on the prepped teeth. Since it can be deceiving – there will appear to be more reduction than there actually is since both arches, are prepped at the same time – use the unprepared teeth that are anterior and posterior as a guide by following the occlusal plane. If you normally do 2mm of occlusal reduction, there should be a minimum of 4mm between the two opposing prepped teeth. *Do not wear magnifiers when doing this evaluation.*
- After taking a bite registration make sure you look at the bite to make sure the patient did not slide and we can put the model into the exact occlusal contacts without guess work. This will be extremely important when we use this for digital imagery as this is how we will scan the opposing.
- If the patient does not have a definite bite take a full arch impression and opposing. Take the bite registration on the prepared tooth making sure you look at the opposite side to see if they are closing correctly. We will do the same thing when mounting on the articulator.
- For anterior cases a face bow is always helpful. We can supply you with a Slidematic Facebow if you need one. If you do not have a face bow take an anterior bite making sure the posteriors are properly closed. Put an orange stick into the bite registration material making sure it is parallel with the eyes. Mark the midline on the registration material. Always send a diagnostic model of the patient so we can see incisal edge placement.

- To prevent damage to a bite registration during shipping, place it into a zip-locked bag and seal with only enough space to insert the top of an air syringe. Inflate the bag and quickly seal it closed to create a protective plastic bubble. If you take more than one bite registrations, mark what it is on the bag.

Hard and accurate bite registrations

LuxaBite is an innovative rigid bite registration material for most accurate records. The material is based on bis-acryl chemistry and combines superior handling properties and a firmer set to yield the most accurate and stable bite registration on the market, better than any other material based on A-silicones.



Luxabite is supplied in a 50 ml automix-safety-cartridge 10:1, which mixes the material automatically with a consistently high-quality, homogeneous, and bubble-free result. The odor- and taste-free material can be applied directly, offering minimal resistance to closure of the teeth. Good stability prevents it from flowing into approximal areas. Owing to its high final hardness (Barcol 25 after 1 hour) LuxaBite exhibits no compression or flexing when mounted. The contrasting blue-colored record is break-proof and easy to trim.

A free flowchart containing detailed step-by-step instructions is included with your LuxaBite purchase. For further information, please contact your local dealer, or call (800