

Instructions for Use - Reversible Hydrocolloid Materials (Hydrocolloid, Wash, CartiLoid, SuperCartiLoid)

HYDROCOLLOIDS

1. Material Preparation

Material preparation should be done on a weekly basis. At the start of each work week, select enough material to last through the week. Tighten the caps of the poly tubes and place them, cap down, into the left (Liquefying) bath of the Hydroprocessor.

Place the Hydrocolloid, Wash-, (Super)CartriLoid materials, into the boiling bath with the plastic caps, rubber plugs, down. (*Storage is limited to five days at 65°C*).

2. Liquefaction

After the materials are in place, fill left (“liquefying”) bath with tap water until the level is one half inch below the “filled” line. This procedure will allow the water to reach an active boil and not overflow the tank or interrupt the electronic operations.

All Van R Reversible Hydrocolloid materials must experience a ten minute active boil.

Review the instructions of your Hydroprocessor or conditioner to complete this procedure.

3. Storage

After the ten minute liquefaction cycle, transfer all materials to the center (“storage”) bath. This bath is maintained at 65°C. After ten minutes, the material is available for use, and will remain usable throughout the work week.

NOTE: Recommended Disinfection Procedure Before Impression Making:

To virtually eliminate any chance of cross contamination when sizing trays, place the impression tray in a plastic bag before it is “tried” in the mouth. After the appropriate size has been determined, discard the plastic bag and proceed with the impression making. Be sure to indicate the appropriate tray size on the patient’s chart to eliminate future try-ins.

4. Tempering

Fill the tray with the hydrocolloid material by placing the nozzle of the poly tube in the anterior region of the tray and mounding the material. As the material fills the tray, gently smooth it to and under the rim lock with a gloved, wet finger. This will secure the material in the tray. Place the filled tray into the right (Tempering) bath adjusted to 43°C. This procedure reduces the temperature and builds body.

NOTE: A more fluid material is necessary for removable partial impressions.

Tempering times should be reduced to three minutes.

5. Gelation

Attach tubing, seat the tray in the mouth and initiate gelling of the material by circulating room temperature water through the tray for five minutes.

6. Removal

The tray should be removed with a deliberate snap. Avoid rocking and twisting.

7. Disinfection/Pouring

Recommended disinfection procedure after tray removal:

- **Remove, rinse and disinfect the hydrocolloid material.**
 - A. Select and prepare a fresh solution of one of the following disinfectants, according to the manufacturers’ instructions. Choose from the following (and carefully follow the manufacturer’s label instructions for exact mixing ratios): 1:213 iodophor or 1:10 sodium hypochlorite 1:2.
 - B. Upon removal from the mouth, rinse the impression under gently running, room temperature tap water for thirty seconds.
 - C. Submerge the impression in the disinfectant solution of choice for up to thirty minutes.
 - D. Remove the impression, rinse it once again under room temperature tap water for thirty seconds.
 - E. Pour as usual.

8. Re-liquefaction

Should unused material remain at the close of the work week, remove it from the storage bath and allow it to solidify at room temperature. It may be reliquefied in a subsequent cycle; be sure to add 2 minutes (Do not re-boil for more than 3 times).

It is advisable to identify previously boiled material in order that it is used prior to newer material

1. "Disinfecting Dental Impressions," *Dental Asepsis Review*, Vol. 14, No. 7 (July 1993), pg. 2.
2. Merchant, Radcliffe, Herrera, Stroster, "Dimensional stability of reversible hydrocolloid impressions immersed in selected disinfectant solutions," *JADA*, (October 1989), 533.

WASH HYDROCOLLOID

Wash Hydrocolloid is recommended for impression-making of Full Veneer Crowns (which do not include Supplemental Internal Retentive Features: Grooves, Proximal Boxes, Counter Sinks, Cast Pins, etc.)

1. Select a stock tray and apply Tacky Stops. If the preparation is close to the tray's posterior edge, attach Post Damming Plastic to ensure proper compression. Fill with tray material from the 65°C storage bath.
2. Apply *Aqua Wash Hydrocolloid* directly onto the tray material in the area of the preparation(s). Use enough *Wash Hydrocolloid* to cover the entire area of the preparation(s).
3. With a wet finger, ensure the tray material is under the rim lock.
4. Place the tray into the 43°C tempering bath and set timer. (Green: 7 minutes)

NOTE: The retraction cord should be removed just prior to the end of the tempering period.

5. When tempering is complete, remove the tray and attach water tubing.
6. After removal of the retraction braid(s), wet the entire arch with PrepWet.
7. Seat the tray firmly and deliberately, parallel to the long axis of the prepared teeth. Initiate a 25°C-30°C (lukewarm) flow of water. Hold the tray with steady, even pressure for 5 minutes (with Lavender material: 7 minutes).
8. Remove the tray with a deliberate snap parallel to the long axis of the teeth.
9. Rinse, disinfect, and pour the impression.

CARTRILOIDS & SUPERCARTRILOIDS

1. Attach disposable CartriLoid Needle to CartriLoid Syringe.
2. Remove (*Super*)CartriLoid from "storage bath" and place in CartriLoid Syringe.
3. Bend needle by using a hard surface to desired angle.
4. Apply syringe material in the usual manner.
5. CartriLoid material may be stored or re-liquefied after use.
6. Remove and dispose needle.



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