Calibra® Bio
Bioceramic Luting Cement

Bioactive cement.
Self-repairing hydroxyapatite (HA) layer.
For long lasting marginal integrity, naturally.
Calibra® Bio Cement’s new bioactive chemistry works naturally within the oral environment to form a self-repairing layer of hydroxyapatite (HA) for improved marginal integrity by minimizing microleakage.

And its unique calcium aluminate ionomer (CAIO) chemistry, combining calcium aluminate and glass ionomers, delivers seamless adaptation towards the tooth structure.


NEW! Calibra® Bio Bioceramic Luting Cement

Calibra® Bio Cement contains calcium and hydroxyl ions that interact with phosphate ions in saliva. HA forms along the preparation’s margin where the cement interfaces with saliva in the oral environment. The HA creates a layer that continuously self-repairs if any damage occurs.

Self-repairing hydroxyapatite (HA)

Calibra® Bio Cement reacts with water, calcium aluminate particles in the cement dissolve, releasing calcium and aluminate ions. When the level of calcium and aluminate ions reaches a sufficient concentration, hydrates crystallize around remaining CA particles, creating a seamless adaptation towards the tooth structure at the cement-tooth interface.

Self-maintaining hydroxyapatite (HA)

Calibra® Bio Cement makes it easier to achieve successful results:

- No priming or bonding agent is needed, saving time and steps
- Good flowability and consistency with low expansion and no shrinkage
- Works well with Zirconia - simple protocol with good retentive strength
- Good retentive strength comparable to self-adhesive resin cements
- Same easy cleanup as other Calibra® cements

BUILT AND PROTECTED BY BIO.

A three year study shows excellent marginal integrity, no marginal discolorations, no subject sensitivity, no secondary caries, and no loss of retention over time.2

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<th>Restoration</th>
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<tr>
<td>Dentin</td>
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<tr>
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<tr>
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CALCIUM IONS + HYDROXYL IONS + PHOSPHATE IONS = HA

BIOACTIVE CHEMISTRY FOR A GOOD MARGINAL SEAL

27.8% of crown procedures are replacements of existing crowns.1

Restorations often fail when marginal integrity is compromised due to microleakage.

1. Source: 2015 The Key Group Omnibus Dental Survey, Quarter 3

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Ordering Information

607601  INTRODUCTORY KIT
7 Capsules (334mg powder, 196mg liquid ea)
1 Capsule Extruder 2

607604  CAPSULE REFILL
14 Capsules (334mg powder, 196mg liquid ea)

606.06.596  CAPSULE EXTRUDER 2
1 Capsule Extruder 2

5546068  DENTSPLY SIRONA CAPSULE MIXER
for the trituration of encapsulated dental restorative materials.

Other Great Calibra® Cements

CALIBRA® CERAM ADHESIVE RESIN CEMENT
Syringe Refill - 1 Dual Cure Syringe (4.5g), 10 Mixing Tips
607191  Light
607192  Medium
607194  Translucent
607195  Opaque
607196  Bleach

CALIBRA® UNIVERAL SELF-ADHESIVE RESIN CEMENT
Syringe Refill - 2 Dual Cure Syringes (4.5g ea), 20 Mixing Tips
607402  Light
607403  Medium
607405  Translucent
607406  Opaque
607407  Bleach

CALIBRA® VENEER ESTHETIC RESIN CEMENT
Syringe Refill - 1 Light Cure Syringe (2g)
607201  Light
607202  Medium
607204  Translucent
607205  Opaque
607206  Bleach

CALIBRA® VENEER ESTHETIC RESIN CEMENT TRY-IN PASTE
Syringe Refill - 2 Light Cure Syringes (1.8g)
607301  Light
607302  Medium
607304  Translucent
607305  Opaque
607306  Bleach