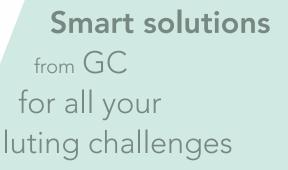
Let's Join Forces!



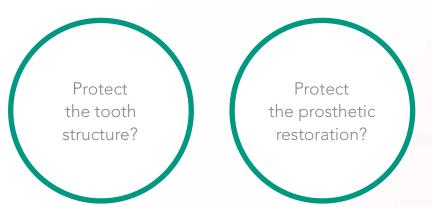


How to choose the optimal luting cement?

Today more than ever you are spoilt for choice when planning and delivering indirect restoration. From the moment your patient comes in, you have much to consider before deciding on the treatment plan. As a dentist you know that no two patients are alike and it is therefore important to follow a holistic approach in treatment planning considering the choice of indirect restoration and type of preparation which is best suited to the patient's clinical situation.

An important part of this process is choosing the right luting cement

The key questions you should ask before making the final choice are: Which is the optimal luting cement to help me



The selection of the optimal luting cement is the guarantee for a beautiful smile and long-term patient satisfaction

Discover our High 5 solutions for all your luting challenges

With more than 95 years of experience and one of the most comprehensive product portfolios, we at GC believe we are the ideal partner to guide you towards the most appropriate luting solution.

Because after all, efficient luting is a team effort.

Each of the GC luting solution is suited to different clinical situations and offers you their unique features like physical properties, working time, protocol of use, fluoride release and cost...



Download the GC Luting Guide

Let's Join Forces!





Depending on the clinical situation, the first question you should ask yourself is: Should I CEMENT or BOND?

When to cement?

Cementation is typically used when your preparations allow mechanical retention. The following clinical aspects will define your choice for the optimal CEMENTATION procedure:



Your options

Conventional glass ionomer (GI) cement | GC's solution: **Fuji I** Resin-modified glass ionomer (RMGI) cement | GC's solutions: **Fuji PLUS, FujiCEM 2**

and FujiCEM Evolve.

Source: Dr Lucile Dahan, France (1) and Prof Jean-François Lasserre, France (2, 3 and 4)

"Most of the time the margins of the preparation are subginigival and total control of humidity proves to be difficult!"

DR LUCILE DAHAN, FRANCE

When to bond?

Bonding is typically used when extra adhesion is required or when aesthetics are of the utmost importance.



Your options

Self-adhesive resin cement | GC's solutions: **G-CEM LinkAce** and **G-CEM Capsule** Adhesive resin cement | GC's solutions: **G-CEM LinkForce** (dual-cure) and **G-CEM Veneer** (light-cure)

Discover all of our luting solutions!

With one of the most comprehensive luting portfolios, we at GC can help you maintain your patient's smile.



Our solutions for permanent cementation



Our solutions for temporary cementation



Fuji I

Conventional Glass Ionomer cement





Good solution for cementation on implant abutments. Easy removal of excesses considerably reduces the risk of peri-implantitis.

Source: Dr Emmanuel d'Incau, France

The biocompatible, resin-free luting solution with 25 years of great clinical success.

Fuji I, GC's first luting GI cement, is widely used across the world. Discover why Fuji I is still a material of choice.

Key clinical advantages

- Chemical adhesion to tooth structure, ensuring an excellent marginal seal
- Moisture-tolerant solution when a dry field cannot be assured
- Quick and easy without the need for etching and bonding steps of the tooth
- Resin-free cement for patients allergic to methacrylate (resin)
- Virtually **no post-operative sensitivity:** a pulp friendly solution

Practical advantages

- Cost efficient and easy-to-use solution for metal-based-restorations
- Economic consideration: $\mathbf{\in}$ $\mathbf{\in}$ $\mathbf{\in}$ $\mathbf{\in}$

Clinical applications

	Metal / PFM	Zirconia / Alumina
Inlays / onlays	•	N.A.
Crowns / bridges	•	•
Posts/ inlay cores	•	-

"Fuji I is perfectly indicated for the permanent cementation of fixed elements on implant abutments. The removal of excess is simple and easy to control, thereby reducing the risk of peri-implantitis."

DR EMMANUEL D'INCAU, FRANCE

Shade range

- Powder/Liquid: Light yellow
- Capsules: Light yellow

Fuji PLUS

Resin-Modified Glass Ionomer cement





Source: Dr Emmanuel d'Incau, France

Easy removal of excess

Predictable and worry-free solution

Efficient and proven over 20 years - a predictable, worry-free solution.

Fuji PLUS is one of the most well-known products and it is considered a benchmark material in its class, offering the tooth protection of a glass ionomer cement balanced with the strength and aesthetics of a resin cement.

Key clinical advantages

- Chemical adhesion to tooth structure, ensuring an excellent marginal seal
- Moisture-tolerant solution when a dry field cannot be assured
- Quick and easy: no need for etching and bonding of the tooth
- Rubbery consistency for easy removal of excess
- Virtually **no post-operative sensitivity:** a pulp friendly solution

Practical advantages

- Proven and predictable performance for most routine cases
- Available in different shades
- Also available in extended working time (EWT) version for long-span bridges
- Economic consideration: $\in \in \in \in \in \in$

Clinical applications

	Metal / PFM	Feldspathic / leucite ceramics* (e.g. GC Initial LRF)	(e.g. GC Initial	Zirconia / Alumina	Composite / Fibre- reinforced resin
Inlays / onlays	•	● (inlays)	•	N.A.	•
Crowns / bridges	•	-	•	•	•
Posts/ inlay cores	•	N.A.	N.A.	•	•

Shade range

A3, Yellow, Translucent

• Capsules: A3, Yellow

• Powder/Liquid:

"Our office has been using Fuji Plus for almost 2 decades. I don't remember any failure yet and we have cemented more than 5000 crowns & bridges!" DR HAN HEESEN, NETHERLANDS

* Feldspathic & leucite-reinforced ceramics

FujiCEM[®] 2 SL / FujiCEM[™] Evolve

Resin-Modified Glass Ionomer cement







Automix



Easy dispending

Easy removal of excess of FujiCEM Evolve

Source: Dr J. Tapia Guadix

Simplicity is innovation!

The resin-modified glass ionomer cement in paste-paste delivery form. This easy-to-use and versatile luting cement is your perfect partner for most of your routine cementation.

Key clinical advantages

- Chemical adhesion to tooth structure, ensuring an excellent marginal seal
- Moisture-tolerant: a "must-have" when moisture control cannot be guaranteed
- Quick and easy: no need for etching and bonding of the tooth
- Rubbery consistency for easy removal of excess, with tack-cure option for FujiCEM Evolve
- Virtually **no post-operative sensitivity:** a pulp friendly solution
- Strong bonding to restorative, mainly Zirconia for FujiCEM Evolve

Practical advantages

- Choose from handmix or automix: the choice is yours!
- Economic consideration: $\in \in \in \in \in$

Shade range

- FujiCEM 2 SL: Light yellow
- FujiCEM Evolve: Universal

Clinical applications

	Metal / PFM	Feldspathic / leucite ceramics* (e.g. GC Initial LRF)	Lithium Disilicate (e.g. GC Initial LiSi Press)	Zirconia / Alumina	Composite / Fibre- reinforced resin
Inlays / onlays	•	(inlays)	•	N.A.	•
Crowns / bridges	•	-	•	•	•
Posts/ inlay cores	•	N.A.	N.A.	•	•

"FujiCEM Evolve is a very user-friendly luting agent, combining ease of use, moisture tolerance and versatility. It is ideal to cement both zirconia and metal-ceramic restorations, particularly in the presence of iuxta- and sub-gingival margins. Furthermore, cement excess removal is extremely easy and safe and field isolation is not mandatory. A smart material to make cementation procedures easier and quicker."

PROF ROBERTO SORRENTINO, ITALY

* Feldspathic & leucite-reinforced ceramics

G-CEM LinkAce™

Self-adhesive resin cement



Efficient self-cure mode for optimal polymerisation

Long-lasting aesthetic results

• No pre-treatment of tooth or application of primers for metal or zirconia • Thin film thickness (3µm) ensures an **excellent fit of the prosthesis** • Excellent colour stability for long-lasting aesthetic results

Practical advantages

Key clinical advantages

the restoration?

resistance.

Shade range

• Easy-to-use resin cement, fulfilling most of your daily aesthetic challenges

Looking for the best results even when light cannot pass through

Choose our G-CEM LinkAce featuring highly efficient self-cure for predictable results every time! Thanks to its unique initiator and filler particles, it offers reliable bonding, long-term colour stability and high wear

• Efficient self-cure mode guarantees optimal polymerization even under opaque or thick restorations

• A2, Translucent, AO3, BO1

- Refrigeration not needed, store at room temperature
- Economic consideration: €€€€€

Clinical applications

	Metal / PFM	Feldspathic / leucite ceramics* (e.g. GC Initial LRF)	Lithium Disilicate (e.g. GC Initial LiSi Press)	Zirconia / Alumina	Composite / Fibre- reinforced resin
Inlays / onlays	•	•	•	N.A.	•
Crowns / bridges	•	•	•	•	•
Posts/ inlay cores	•	N.A.	N.A.	•	•

"I use this cement most of the time for zirconia and ceramic restorations. I particularly love the fact that it is a dual-cure material with an excellent self-cure feature, ensuring high polymerisation even when transmission of light is limited. The material also offers aesthetic results and is easy to use!" DR ANJA BARABA, CROATIA

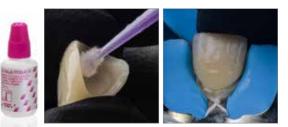
* Feldspathic & leucite-reinforced ceramics

G-CEM LinkForce™

Dual-cure adhesive resin cement



Easy application of G-Premio Light-curing of the thin bonding BOND with or without prior etching (3µm) for optimal adhesion



One universal primer for stable Easy seating and perfect adaptation adhesion to all substrates thanks to a very low film thickness

Strength and aesthetics in one system for all indications, all substrates.

G-CEM LinkForce is the universal adhesive resin cement that is ideal to use whenever additional retention is needed and a must-have for all CAD/CAM ceramic and hybrid ceramic blocks such as CERASMART270.

Key clinical advantages

- Secure adhesion in all situations with **only one system, three base elements:**
- G-Premio BOND bonds to ALL Preparations with no compromises
- G-Multi Primer ensures a stable adhesion to ALL Restorations
- G-CEM LinkForce provides a strong link in ALL Indications
- Optimal light-curing feature for veneer indications
- Efficient self-cure mode, useful for luting more opaque or thick restorations

Practical advantages

- Optional use of G-Premio BOND Dual-Cure Activator for post luting
- The universal, aesthetic and powerful solution to all your adhesive cementation challenges
- Choice of four aesthetic shades and their corresponding try-in pastes
- Economic consideration: $\in \in \in \in \in \in$

Clinical applications

	Metal / PFM	Feldspathic / leucite ceramics* (e.g. GC Initial LRF)	Lithium Disilicate (e.g. GC Initial LiSi Press)	Zirconia / Alumina	Fibre-reinforced	Hybrid ceramics (e.g. CERASMART270)
Inlays / onlays	•	•	•	N.A.	•	•
Crowns / bridges	•	•	•	٠	•	•
Veneers	N.A.	•	•	N.A.	•	•
Posts/ inlay-cores	•	N.A.	N.A.	٠	•	N.A.

"I use G-CEM LinkForce as a first choice in all clinical

indications. Day after day it still surprises me."

DR CASTI, ITALY

* Feldspathic & leucite-reinforced ceramics

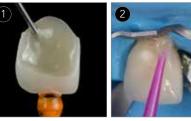
Shade range

• A2, Translucent, Bleach, Opaque

G-CEM™ Veneer

Light-cure adhesive resin cement





Easy dispensing

Thixotropic consistency: easy removal of excess



Light-curing composite: high aesthetics over time

A versatile resin cement for easy luting of restorations less than 2mm thick.

G-CEM Veneer: a light-cure resin cement for high aesthetic demand with easy placement featuring Full-coverage Silane Coating (FSC) technology.

Key clinical advantages

- Thixotropic consistency for easy placement of veneers and easy excess removal.
- Superior performance thanks to **high filler rate** of 69% (w/w): high wear resistance, high bond and flexural strength for long-term aesthetics.
- The alternative to heated composites with less risk of failures for thin indirect restorations.

Practical advantages

Shade range

• Easy to use and universal system with G-Premio BOND and G-Multi PRIMER.

• 4 aesthetic shades matching all cases, with G-CEM Try-in pastes.

 A2, Translucent, Bleach, Opaque

- Ergonomic syringe.
- Economic consideration: $\in \in \in \in \in \in$

Clinical applications

	Glass-ceramics* (e.g. GC Initial LRF, GC Initial LiSi Press)	Hybrid ceramics (e.g. CERASMART270)	Composite (e.g. GRADIA PLUS)
Veneers	•	•	•
Inlays / onlays	● (< 2.0 mm thickness)	● (< 2.0 mm thickness)	● (< 2.0 mm thickness)

"To me, G-CEM Veneer kit seems to be particularly suited for the modern luting challenges linked to minimally invasive ceramic restorations. It demonstrates a good flowability, while keeping a high viscosity in order to maintain good marginal sealing ability before polymerisation."

PROF JEAN-FRANCOIS LASSERRE, FRANCE

* Feldspathic, leucite-reinforced ceramics and lithium disilicate

GC's temporary cements...

FREEGENOL

Zinc oxide cement



Key features

- All-purpose temporary solution
- Adjustable consistency and setting times
- Easy removal of excess
- Eugenol free, avoid interaction with resin cements

Fuji TEMP LT™

Conventional glass ionomer cement in Paste-pak cartridge



Key features

- Assured retention and easy removal
- Easy seating thanks to low film thickness (6µm)
- Rubbery consistency for easy removal of excess
- Radiopaque
- Ideal for cementation on implant abutments

Also discover GC's Primers...

Whether you prefer a specialised or a universal primer, GC has a solution.

Universal solution
G-Multi PRIMER

One universal primer for **ALL** your indirect restorations.



Specialised solutions
CERAMIC PRIMER II

A specialised primer for all **aesthetic indirect restorations**. Compatible with glass-ceramic, hybrid ceramic, zirconia, alumina and composite restorations.



METAL PRIMER Z

The hero for all your **metal** and porcelain fused to metal restorations.



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GC Luting navigation chart. Find the right cement(s) to master your luting challenges!

	Inlays & onlays			Crowns & bridges			Posts & inlay-cores			Veneers		
	Metal	Feldspathic ceramics Leucite- reinforced ceramics (e.g. GC Initial LRF)	Lithium Disilicate (e.g. GC Initial LiSi Press) Composite (e.g. GRADIA PLUS)	Hybrid ceramics (e.g. CERASMART270)	• Metal (e.g. GC Initial Cast NP) • Zirconia (e.g. GC Initial Zirconia disk) • Alumina	Feldspathic ceramics Leucite- reinforced ceramics (e.g. GC Initial LRF)	Lithium Disilicate (e.g. GC Initial LiSi Press) Composite (e.g. GRADIA PLUS)	Hybrid ceramics (e.g. CERASMART270)	Metal	Zirconia (e.g. GC Initial Zirconia disk)	Fibre reinforced (e.g. everStickPOST & FIBER POST)	
Fuji I Conventional glass ionomer cement	•	-	-	-	•	-	-	-	•	-	-	-
Fuji PLUS Resin-modified glass ionomer cement FujiCEM 2 SL / FujiCEM Evolve Resin-modified glass ionomer cement	•	(inlays)	•	-	•	-	•	-	•	•	•	-
G-CEM LinkAce Self-adhesive resin cement G-CEM Self-adhesive resin cement	•	•	•	-	•	•	•	-	•	•	•	-
G-CEM LinkForce (Dual-cure) Adhesive resin cement	•	•	•	•	•	•	•	•	•	•	•	•
G-CEM Veneer (Light-cure) Adhesive resin cement	-	• *1	• *1	• *1	-	-	-	-	-	-	-	• *1

Discover more features about GC luting cements

	Conventional g	glass ionomer	Resin-modified glass ionomer			Self-adhe	sive resin	Adhesive resin		
	Fuji I	Fuji I	Fuji PLUS	Fuji PLUS ^{EWT*2}	Fuji PLUS	FujiCEM 2 SL / FujiCEM Evolve	G-CEM	G-CEM LinkAce	G-CEM LinkForce	G-CEM Veneer
Shades	Light yellow	Light yellow	Yellow, Translucent & A3	A3	Yellow & A3	Light yellow	A2, Translucent, AO3 & BO1	A2, Translucent, AO3 & BO1	A2, Translucent, Opaque & Bleach	A2, Translucent, Opaque & Bleach
Mixing time	20 sec	10 sec	20 sec	20 sec	10 sec	20 sec **	10 sec	N.A.	N.A.	N.A.
Working time	2 min	2 min 15	2 min 30	3 min 30	2 min	2 min 15	2 min 30	2 min 50	3 min	N.A.
Final finishing time (commencing time)	4 min 30	4 min 30	4 min 30	5 min 45	4 min 15	4 min 30	4 min	4 min	4 min	N.A.

Notes: *1 For indirect restorations with thin thickness (< 2mm) that enable the use of a purely light-curing technique. *2: EWT: Extended Working Time: perfect for the cementation of bridges.

** if handmix

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Let's Join Forces! Discover our key luting solutions for all your luting challenges

FujiCEM 2 SL, FujiCEM Evolve & Fuji PLUS

Resin-modified glass ionomer cement

Proven to be a benchmark in their class. They also are ideal worry-free solutions for your routine procedures, especially for metal, porcelain fused to metal & zirconia. They are your 'must-haves', especially when moisture control becomes a challenge!



With probably the best self-curing ability in its class, excellent polymerisation is assured, even when light transmission through the restoration is limited.

G-CEM LinkForce & G-CEM Veneer Adhesive resin cement

When uncompromised adhesion is needed, this product is THE solution. This universal adhesive resin cement allows you to work in a standardised way and offers a strong bond in all indications.





- 1 | Perfect solution for subgingival margins!
- 2 | Easy dispensing
- 3 | Easy removal of excess
- 4 | Full protection for the tooth



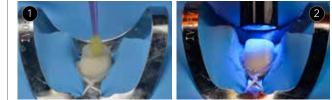
Source: Prof Jean-François Lasserre (1), Dr Frédéric Raux (2 and 4) & Dr Emmanuel d'Incau (3), France



- 1 | Can be stored at room temperature
- 2 | No need for etching and bonding of the tooth
- 3 | Efficient self-cure mode for optimal polymerisation
- even when light transmission is limited
- 4 | Aesthetic results in time



Source: Dr Frédéric Raux, France



- 1 | Easy application of G-Premio BOND
- 2 | Light-curing of the thin bonding layer for optimal adhesion
- 3 | Universal Primer for stable adhesion to all substrates
- 4 | Easy seating and perfect adaption



Source: Dr Antonio Saiz-Pardo, Spain

	Fuji l		G-CEM LinkForce	GC EUROPE N.V. Head Office
	 000136 Intro Package (1x Powder Light Yellow 35 g & 1x Liquid 20 ml) 000134 Refill- 35 g Powder Light Yellow 000135 Refill- 20 ml (25 g) Liquid 000240 50 Capsules Light Yellow Fuji PLUS 001409 Intro Package - Full Set A3 (15 g Powder A3, 7 ml Liquid & 6,5 ml conditioner) 000231 Refill- EWT (extended working time version) 15 g Powder A3 0001407 Refill- 15 g Powder Yellow 001410 Refill- 15 g Powder Yellow 001411 Refill- 15 g Powder A3 000220 Refill- 7 ml (8 g) Liquid 000222 50 Capsules Yellow 001418 50 Capsules A3 FujiCEM 2 SL		 009540 System Kit: 1x G-CEM LinkForce A2, 1x G-CEM LinkForce Translucent, G-Premio BOND, G-Premio BOND DCA, G-Multi PRIMER, G-CEM Try-in Pastes (A2 & Translucent), GC Etchant & accessories 009542 Starter Kit A2: 1x G-CEM LinkForce A2 (8.7g), G-Premio BOND, G-Multi PRIMER & accessories 009543 Starter Kit Translucent (TR): 1x G-CEM LinkForce Translucent (8.7g), G-Premio BOND, G-Multi PRIMER & accessories 009544 Refill A2- 1x 8.7g 009545 Refill Dpaque- 1x 8.7g 009547 Refill Bleach - 1x 8.7g 012803 GC G-CEM Try-In Paste A2 1,2mL; 1.5g 012804 GC G-CEM Try-In Paste Dpaque 1,2mL; 1.5g 012805 GC G-CEM Try-In Paste Bleach 1,2mL; 1.5g 012806 GC -CEM Try-In Paste Bleach 1,2mL; 1.5g 	Researchpark Haasrode-Leuven 124 Interleuvenlaan 33 B-3001 Leuven Tel. +32.16.74.10.00 Fax. +32.16.40.02.14 info.gce@gc.dental http://www.gceurope.com GC UNITED KINGDOM Ltd. Coopers Court Newport Pagnell UK-Bucks. MK16 &JS Tel. +44.1908.218.999 Fax. +44.1908.218.900
	900897 Refill - 2x Paste Pak cartrdige (13,3 g / 7.2 mL) 900898 Automix Package - 2x Paste Pak cartridges (13,3g) & 44 mixing tips 900902 20x Mixing Tips SL, Refill Pack		009552 G-Premio BOND DCA 3 m 009553 G-Multi PRIMER 5mL bottle 900668 GC Automix Tip Regular	info.uk@gc.dental http://uk.gceurope.com
	900903 10x Mixing Tips SL for Endo, Refill Pack 001573 GC Paste Pak Dispenser		G-CEM Veneer 012383 G-CEM Veneer kit: G-CEM Veneer Refill (1mL; 1.7g) A2 & TR,	
	004647 GC FujiCEM 2 Dispenser		G-CEM Try-in Paste Refill (2mL; 1.5g) A2 & TR, G-Multi PRIMER 5mL, G-Premio BOND 5mL accessories	
=	FujiCEM Evolve 012951 FujiCEM Evolve Single Pack: 1x GC FujiCEM Evolve syringe (9.2 g / 5.0 mL), 15x GC Push and Click Tip Regular 012952 FujiCEM Evolve Triple Pack Handmix: 3x GC FujiCEM Evolve syringe (9.2 g / 5.0 mL), 1x Mixing Pad #22 012953 FujiCEM Evolve Triple Pack Automix: 3x GC FujiCEM Evolve syringe (9.2 g / 5.0 mL), 45x GC Push and Click Tip Regular 012954 GC Push and Click Tip Regular (x15) 012955 GC Push and Click Tip Endo (x15)	<u> </u>	 O12389 G-CEM Veneer Refill A2 1mL; 1.7g O12390 G-CEM Veneer Refill Translucent 1mL; 1.7g O12391 G-CEM Veneer Refill Opaque 1mL; 1.7g O12392 G-CEM Texter Refill Bleach 1mL; 1.7g O12803 GC G-CEM Try-In Paste A2 1,2 mL; 1.5g O12804 GC G-CEM Try-In Paste Translucent 1,2 mL; 1.5g O12805 GC G-CEM Try-In Paste Opaque 1,2 mL; 1.5g O12806 GC G-CEM Try-In Paste Bleach 1,2 mL; 1.5g O12806 GC G-CEM Try-In Paste Bleach 1,2 mL; 1.5g O12806 GC G-CEM Try-In Paste Bleach 1,2 mL; 1.5g O12694 G-Premio BOND 5mL bottle refill O09553 G-Multi PRIMER 5mL bottle 901503 GC dispensing tips needle type (metal) x 20 tips 	
	G-CEM 002588 50 Capsules Assorted		Temporary Cements	
	(20 each of A2 and Translucent, 5 each of AO3 and BO1) 002584 50 Capsules A2 002585 50 Capsules AO3		000087 FREEGENOL 1-1 Pack tubes (55 g Base, 20 g Accelerator, 2.5 ml Cleaner) 004253 Fuji TEMP LT 2x 13.3 g (7.2 ml) Paste Pak cartridges	
	002586 50 Capsules Translucent 002587 50 Capsules BO1 004414 50x GC Capsule elongation tips		Primers 009553 G-Multi PRIMER, 5 ml Liquid 008551 GC CERAMIC PRIMER II, 3ml Liquid	
	G-CEM LinkAce		008620 GC CERAMIC PRIMER II Unit dose pack (10 pcs) 009295 GC METAL PRIMER Z, 5ml Liquid	
	004857 Refill- 2 x 4.6 g (2.7 ml) A2 004858 Refill- 2 x 4.6 g (2.7 ml) Translucent 004859 Refill- 2 x 4.6 g (2.7 ml) AO3 004860 Refill- 2 x 4.6 g (2.7 ml) BO1 900668 10x GC Automix Tip Regular 900475 10x GC Automix Tip for Endo	b		

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