XBIOCLEAR



TABLE OF CONTENTS

Bioclear Kits3	
Anterior Matrix System	
Posterior Matrix System	
HeatSync 16-17 Blaster 18 Blaster Accessories 19 Curing Light 20 Other Accessories 21	

Instruments 22-23	
360° Veneer Matrices24 Interproximator25	
Original Posterior Matrices26	
Learning Center Courses 27 Bioclear Learning Center 28-29 Marketing Materials 30	
About Bioclear31	

BIOCLEAR KITS

ITEM	ANTERIOR MATRIX	BIOFIT MATRIX
Matrices		
A101	15	
A102	15	
A103	15	
A104	15	
A105	15	
DC201	15	
DC202	15	
DC203	15	
DC204	15	
Biofit BLUE 4.5 mm		25
Biofit BLUE 5.5 mm		25
Biofit BLUE 6.5 mm		25
Biofit HD 4.5 mm		25
Biofit HD 5.5 mm		25
Biofit HD 6.5 mm		25
Biofit SS 4.5 mm		10
Biofit SS 5.5 mm		10
Biofit SS 6.5 mm		10
Total Matrices:	135	180
Other Items		
Diamond Wedges	64	80
Twin Rings		2
Twin Ring Forceps		1
Pliers		1

TruContacts



Please note that other kit configurations are available.

ANTERIOR MATRIX SYSTEM

The Bioclear Matrix

The Bioclear Matrix's anatomic shape allows for a predictable restoration or change of a tooth's emergence profile. The matrix is easily used wedge free. When placed into the sulcus, the matrix is stabilized and marginally sealed by the papilla.

Fact Sheet

- Made from 50 µ Mylar
- Anatomic shape
- Flexible but strong
- Focus on cervical half of tooth
- Customizable contours

Bioclear's anatomically shaped matrices allow for injection/placement of composite into the embrasure without fear of leaving an overhanging margin. The Bioclear Matrix leaves the interproximal composite smooth and properly contoured.

ANTERIOR



DIASTEMA CLOSURE

A102 **Upper Distal**



Less Cervical Curvature

Best Used on Class III/IV Small Black Triangles 5 Sizes

DC202 Upper Distal



More Cervical Curvature

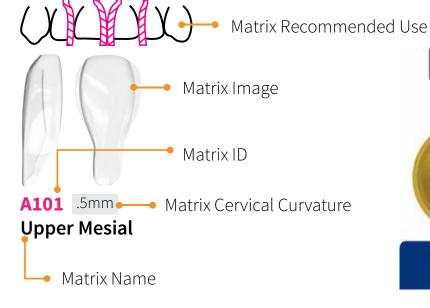
Use For Space Closure Large Black Triangles 4 Sizes

ANTERIOR MATRIX SYSTEM

Bioclear Matrix Selection Key

Use this catalogue when selecting matrices for a clinical case. Key information is provided for each matrix. See the Matrix Information Key below to help interpret the information for each matrix.







ANTERIOR MATRICES

100 Series – Standard Anterior



Bioclear Anterior Matrices allow for a modern approach to composite dentistry. They have less curvature than the Diastema Closure Matrices and are used for everyday restorative dentistry as well as in aesthetic treatments where small spaces need to be filled.

ITEM	ORDER ID	QTY
A101 - Upper Mesial	301011.25	25
	301011.50	50
A 102- Upper Distal	301021.25	25
	301021.50	50
A103 - Small Incisor	301031.25	25
	301031.50	50
A104 - Canine Mesial	301041.25	25
	301041.50	50
A105 - Canine Distal	301051.25	25
	301051.50	50







A102 .5mm Upper Distal



A103 .5mm Small Incisor Universal





A104 .3mm
Canine Mesial



A105 .5mm
Canine Distal

Please Note: These
Matrix Selection
Guidelines are
suggestions only;
anatomical and
situational variances
may require some
creativity in matrix
selection to fit
each case.

ANTERIOR MATRICES

200 Series – Diastema Closure

BICCLEAR

The Diastema Closure
Matrices are for creating
new and exaggerated
emergence profiles, closing
diastema larger than
1mm, and for large black
triangles. The Diastema
Closure Matrices have more
curvature than the Anterior
Matrices. Combining papilla
regeneration with space
closure is the key to optimal
diastema closure.

Please Note: These Matrix Selection Guidelines are suggestions only; anatomical and situational variances may require some creativity in matrix selection to fit each case.



Diastema Closure Upper Mesial





DC204 2mm
Extreme/Extra
Large Diastema
Closure Mesial



Diastema Closure Upper Distal



Diastema Closure Small Incisor

ITEM	ORDER ID	QTY
DC201 - DC Upper Mesial	302011.25	25
	302011.50	50
DC202 - DC Upper Distal	302021.25	25
	302021.50	50
DC203 - DC Small Incisor	302031.25	25
	302031.50	50
DC204 - Extreme/Extra Large DC Mesial	302041.25	25
	302041.50	50

TRUCONTACT SAWS & SANDERS



Contact optimization is an essential part of the Bioclear Method. Natural contacts are generally too tight and too rough to allow insertion of a Mylar matrix. Bioclear TruContact Saws and Sanders are designed to work in sequence to lighten the contact which then improves the ease of placement for the Mylar matrices. As an additional advantage, the TruContact also removes biofilm from the contact.



Saw



Light Sander: Single-sided



Heavy Sander: Double-sided

ITEM	ORDER ID	QTY
Heavy Sander-Red	613011.8	8
	613011.16	16
	613011.32	32
Light Sander-Orange	613021.8	8
	613021.16	16
	613021.32	32
Saw-Blue	613031.8	8
	613031.16	16
	613031.32	32



POSTERIOR MATRIX

SYSTEM

Developed especially for use with the Injection Molding Technique using heated composite, the Bioclear Posterior System offers a comprehensive array of matrices, wedges, and rings that allow for treatment of most posterior clinical situations. Whether the approach is minimally invasive with a small cavity design or large deep caries treatments, the Bioclear product range will have a solution. Biolcear's posterior products help create snug, broad comfortable contacts every time.



POSTERIOR MATRICES



 The ideal occlusal curvature of the matrix creates a rounded marginal ridge with ease

 HD Matrices are more rigid than other Mylar matrices which allow them to be placed as easily as metal matrices

HD Matrices are translucent to allow thorough light-curing, making possible true injection *molding*



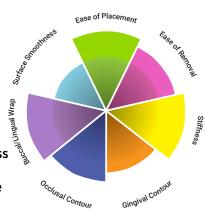
BIOFIT HD ATTRIBUTES

SS BIOFIT

 Three tabs help with placement by giving a large area to push against

> Side holes help with matrix removal after the composite has been cured

 Due to its composition of hardened stainless steel, the SS Matrix holds its shape better than other metal matrices, allowing it to be placed more easily with less deformation



BIOFIT SS ATTRIBUTES

POSTERIOR MATRICES

Curved Occlusal Embrasure

of the Biofit BLUE and Biofit HD Matrices are so ideal, you no longer need to shorten and subsequently reshape the occlusal embrasure with burs or discs.





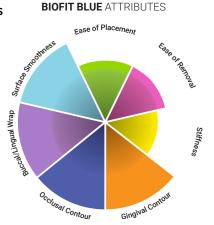
ITEM	ITEM ORDER ID QT	
Biofit HD 4.5 mm	318011.50	50
Biofit HD 5.5 mm	318021.50	50
Biofit HD 6.5 mm	318031.50	50



The large occlusal tab aids in the initial placement and control during wedging

Matrix material is transparent blue and allows for thorough lightcuring

The thinner Mylar material is great for cases where a more flexible matrix is needed



SS BIOFIT

ITEM	ORDER ID QT	
Biofit SS 4.5 mm	306011.50	50
Biofit SS 5.5 mm	306021.50	50
Biofit SS 6.5 mm	306031.50	50



ITEM	ORDER ID	QTY
Biofit BLUE 4.5 mm	305011.50	50
Biofit BLUE 5.5 mm	305021.50	50
Biofit BLUE 6.5 mm	305031.50	50



TWIN RING (TWINRING

The Twin Ring, Bioclear's newest technological advancement, is designed to

- be used in sectional Class II matrix adaptation
- be used with any matrix
- adapt and cling to a variety of tooth types and shapes
- apply a strong, even tension that assists in the separation of the teeth, creates a strong seal with the matrix, and doesn't allow the composite to flow past the gingival margin
- offer a significant reduction in hand strain during placement compared to traditional separators

ITEM	ORDER ID	QTY
Twin Ring Molar Pack	208011.2	2
Twin Ring Pre-Molar Pack	208021.2	2
Twin Ring Molar/Pre-Molar Pack	808002	2



Two NiTi Wires create strong separation force while maintaining their shape and strength for hundreds of uses.



Adapting Hands ensure a tight marginal seal of the matrix without collapsing the matrix into the cavity preparation.



Unlike other sectional rings, the Twin Ring is guaranteed to retain its original shape without warping, even after hundreds of uses.

Independent tines adapt to accommodate a wide variety of tooth shapes

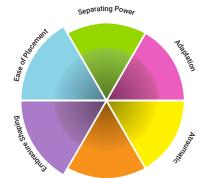
Wide undercutting tines ensure stability, eliminate flash, and prevent slip-off



DIAMOND WEDGES



DIAMOND WEDGE ATTRIBUTES



Will Not Back-out

ORDER ID

112011.50

112021.50

112031.50

112041.50

112051.50

812001

QTY

50

50

50

50

50

80

ITEM

Diamond Wedge - Small

Diamond Wedge - Large

Diamond Wedge - Medium

Diamond Wedge - Extra Large

Diamond Wedge - Deep Caries

Diamond Wedge - Assorted Kit (16 ea)

The Bioclear Diamond Wedge is designed to solve many of the difficulties in using traditional wedges. While still maintaining strong tooth separation, the anatomical design and flexible material creates a complete marginal seal which eliminates the uncontrolled flow of excess composite and minimizes clean up after the composite has been cured.



A Diamond Cutout

in the tip of an hourglass-shaped Diamond Wedge collapses as the wedge is placed into the embrasure and then reopens once through the other side, lowering the required insertion force and maximizing the line angle matrix seal.



Wedge-Ring Integration

is made possible by flexible tines on the handle side of the wedge which adapt to the hands of the Twin Ring, creating an uninterrupted, intimate matrix seal in the critical gingival line angle area.



Small



Medium



Large* * should be used Large 70% of the time

112031



Extra

112041



Deep **Caries**

112051



SABRE WEDGES



SABRE WEDGE ATTRIBUTES



The Sabre Wedge's hollow design is less traumatic than solid wedges and yet still provides very strong separation.



111011.25

111021.25

111031.25

111041.25

111051.25

111061.25

111071.25



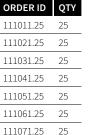




111041 Mild **Fluting**

111051 **Abrupt** Fluting









ITEM

Small

Large

Medium

Mild Fluting

Deep Caries

Abrupt Fluting

Anterior/Bicuspid

SOFT WOODEN WEDGES



The Bioclear Soft Wooden Wedge creates a tight gingival seal without creating a black triangle. Because it is constructed from a soft wood, the wedge will compress and adapt to the tooth better than other wooden wedges, creating a better marginal seal.



ITEM	ORDER ID	QTY
Small	110011.50	50
Medium	110021.50	50
Large	110031.50	50
Extra Large	110041.50	50

Large

HEATSYNC



A CORNERSTONE OF THE BIOCLEAR METHOD IS THE INJECTION MOLDING TECHNIQUE USING HEATED COMPOSITE. THE **HEATSYNC** IS THE ONLY HEATER DESIGNED WITH THE INJECTION MOLDING PROCESS IN MIND.

155°F / 68°C

Due to the large, anodized aluminum, heat-transfer top, the HeatSync heats dental materials to the optimum working temperature of 155°F / 68°C quickly.

LARGE CAPACITY

The HeatSync has ample space for all the dental materials needed for restorative cases. The layout of the heater facilitates the heating of two compule guns, two syringes, and up to six extra compules in the top oven.



ERGONOMIC DESIGN

The ergonomic design of the HeatSync's heating slots ensures that the compule guns and syringes are easy to handle when placing into and removing from the unit.

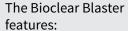
EASY TO CLEAN

The HeatSync is easy to clean; the removable **Heat-Transfer Top** is made of the highest quality autoclavable materials. The **Silicone Hot Pad** is heat-resistant and allows you to remove the heat-transfer top, even if it is still hot









- highly effective, minimally invasive biofilm removal
- easy portability between operatories
- a sleek, efficient design that plugs directly into the water and air already plumbed into the operatory delivery system
- 1 year warranty

The Bioclear Blaster is the perfect combination of

minimally invasive yet effective cleaning power, ergonomic design, easy installation, and adaptability. Using a powerful and effective Aluminum Trihydroxide blasting slurry, the Blaster efficiently removes the toughest biofilm without damaging the enamel surface. The Bioclear Blaster is easy to move between operatories and plugs directly into your dental control unit using any KaVo Multiflex type swivel connection. In addition, the swivel provides a full 360° rotation to reduce tubing drag and wrist strain.



BLASTER ACCESSORIES





Blaster Tip

Replacement/extra tip for the Bioclear Blaster

ORDER ID

715011

Blasting Powder

Aluminum-Trihydroxide powder for the Blaster

ORDER ID

715031



Swivel Attachment (not pictured)

4 hole non-optic swivel attachment connects to the Bioclear Blaster

ORDER ID

715021

Blaster Dual Color Disclosing Solution

Disclosing solution for discovery of cracks and biofilm for blasting

ORDER ID

715091

Newer plaque (biofilm) stains pink. Older biofilm & cracks (more than 24 hours) stain purple, aiding the clinician in properly educating patients about oral hygiene & restorative needs.



LED TURBO CURING LIGHT

The LED Turbo Curing Light features:

- high output of 2,100 mw/cm² for quick curing times
- full-spectrum light output for a broad range of curing
- heat-resistant material
- · high capacity battery
- 1 year warranty

The LED Turbo Curing Light offers the best balance

between high-efficiency and cost-efficiency available on the market. A full-spectrum, high output of 2,100 mw/cm² creates extremely fast curing times and broadband curing. The LED Turbo Curing Light meets all your composite restoration curing needs by offering 4 curing modes standard, ramp, boost, and ortho/sealant. In addition, a high-capacity battery offers over an hour of cordfree curing.

ITEM	ORDER ID
LED Turbo Curing Light	416011
Extra Curing Tip	716011



POLISHING



Step 1 of the Rock Star Polish

Magic Mix Pre-Polish

ORDER ID

700111

Dual abrasive pre-polish marginates to the infinity edge and creates the perfect matte finish before moving onto the second step of the Rock Star Polish; the high shine polisher.



The diamond grit rubber cup is used for the final high shine polish.

GOLDEN RULE SMILE DESIGN CONTRASTER



All 5 guides follow the golden rule of proportionality, allowing for customized measuring and demonstration of proportionality issues.



CLARK INSTRUMENTS

Clark Elite Composite Instrument Set ORDER ID: 800011



ITEM	ORDER ID	QTY
Clark Explorer	500011	1
Sculpting Point	500021	1
Curved Sculpting Paddle	500031	1
Micro-Hemostat	500041	1
Scalpel Handle	500051	1
Curved Micro Pliers	500061	1
Matrix Sculpting Scissors	500071	1



CLARK INSTRUMENTS

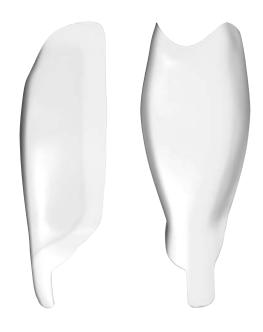




360° VENEER MATRICES



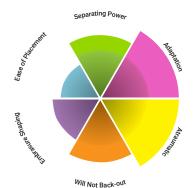
The Bioclear 360° Veneer comes as a 6 tooth kit with 12 matrices that are especially designed to create a 2 part form around the tooth by using both mesial and distal abutting matrices. This form creates a mold around the tooth, sealing the gingival margins and enabling heated composite resin to completely envelop the tooth with an impressively durable, solid, pearlescent shell of composite. That monolithic, solid shell with the Mylar finish eliminates all of the inherent weaknesses of hand layered, free form, or indirect, putty matrix techniques of the past.



ITEM	ORDER ID	QTY
360°Veneer	317011.12	12

INTERPROXIMATOR

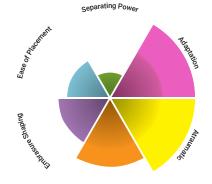
BLUE INTERPROXIMATOR ATTRIBUTES





ITEM	ORDER ID	QTY
Firm (Blue)	109011.25	25
Soft (Clear)	109021.25	25



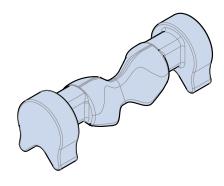


Will Not Back-out

Anatomic, translucent silicone "hugs" pliable Bioclear Matrices while lightly separating teeth for strong and broad contacts combined with round, smooth embrasures.

As opposed to other wedges, the Interproximator is placed by grasping both ends, stretching them apart until

the center is small enough to fit between the contacts, and then releasing. This causes the Interproximator to return to its resting size and separate the teeth with minimal impact and discomfort. The Interproximator is suggested primarily for anterior use, and occasional posterior use.



POSTERIOR MATRICES 300 & 400 Series – Bicuspid & Molar



The original Bioclear Matrices for posterior restorations come in three lengths and three curvatures. Choosing the right matrix is important because, unlike metal matrices, Mylar matrices cannot be burnished. This however will allow you to get the ideal fit for minimally invasive posterior restorations.

The original Bioclear Matrices come in both clear and clear blue.

ORIGINAL POSTERIOR ATTRIBUTES





The Original Bioclear Posterior Matrix

BICUSPID MATRICIES

ITEM	CLEAR	BLUE	QTY
Average Flat	303011.25C	303011.25B	25
	303011.50C	303011.50B	50
Average	303021.25C	303021.25B	25
	303021.50C	303021.50B	50
Average Curved	303031.25C	303031.25B	25
	303031.50C	303031.50B	50

MOLAR MATRICES

ITEM	CLEAR	BLUE	QTY
Average Flat	304011.25C	304011.25B	25
	304011.50C	304011.50B	50
Average	304021.25C	304021.25B	25
	304021.50C	304021.50B	50
Tall Flat	304031.25C	304031.25B	25
	304031.50C	304031.50B	50
Tall Average	304041.25C	304041.25B	25
	304041.50C	304041.50B	50
Universal Posterior	304051.25C	304051.25B	25
	304051.50C	304051.50B	50
Average Curved	304061.25C	304061.25B	25
	304061.50C	304061.50B	50
Tall Curved	304071.25C	304071.25B	25
	304071.50C	304071.50B	50

LEARNING CENTER COURSES

Bioclear Learning Center courses work on a continuum, which means there are prerequisites for upper level classes that must be taken prior to attending the upper level classes.

ANTERIOR COURSES

Level 1.0: Injection Molding Technique For Modern Composite Dentistry

Level 3.0: Advanced Anterior Solutions

Level 3.1: Comprehensive Treatment

Level 3.2: Vertical Dimension and Worn

Lower Incisors

Level 3.3: Complex Black Triangles Combined with Cervical Abrasions

POSTERIOR COURSES

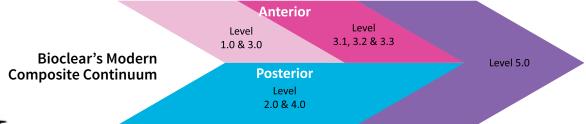
Level 2.0: Introduction to Posterior

Level 4.0: Advanced Posterior

Solutions

ADMINISTRATIVE COURSES

Level 5.0: Integrating the Bioclear Method Into Your Practice





The Bioclear Learning Center is designated as an Approved PACE Program Provider by the Academy of General Dentistry. The formal continuing education programs of this program provider are accepted by the AGD for Fellowship/Mastership and membership maintenance credit. Approval does not imply acceptance by a state or provincial board of dentistry or AGD endorsement. The current term of approval extends from 11/1/2016 to 10/31/2018. Provider ID# 330038



BIOCLEAR LEARNING CENTER

S BIOCLEAR

The Bioclear Learning Center provides a new pathway for dentists and their practice to transition from traditional GV Black dentistry to the extraordinary world of modern composite dentistry. Delivering consistent, high-quality results, the Bioclear Method for composite dentistry, created by Dr. David Clark, offers unparalleled innovations in both practice and patient comfort. The state of the art Bioclear Learning Center is custom-designed and equipped by Dr. David Clark to facilitate instruction in his unique Bioclear Method, which uses exclusive, innovative, and patented dental materials and methods. Small class sizes and a hands-on, interactive curriculum creates an immersive and rewarding learning experience. All workshops are offered as a two or three day course combining multiple levels and including all materials, breakfast, and lunch. Learning courses may be counted for continuing education credit.







BIOCLEAR LEARNING CENTER



The Bioclear Learning Center has two locations. Our Tacoma, WA, USA location is in the vibrant and beautiful Pacific Northwest. Our Solihull, UK location is in the historic West Midlands. Classes end every day at 5:30 pm leaving plenty of time for attendees to take in some of the sights and attractions that make these regions so unique.

Our Alumni are very happy with their experience with us and they have described why in their own words as follows:

"Hands down the best CE course I've ever taken."

- Frank Calvo, DDS, Queen Anne Dental Group

"I am using what I learned on my FIRST patient this morning. What a practical and useful course."

- SAM MINAGAWA, DDS PS, NORTHWEST DENTAL CARE

Our website,

www.bioclearmatrix.com/learning-center

has a listing of all of our upcoming classes along with descriptions of the learning goals and hands-on exercises that will be included in the classes. Please don't hesitate to contact us with any questions and we look forward to hearing from you.



MARKETING MATERIALS

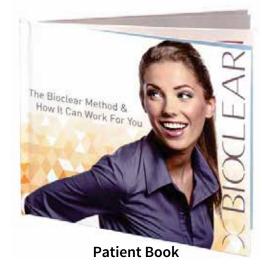
Bioclear's marketing materials are useful tools to help dentists show the possibilities available using the Bioclear Method.

Filled with before and after photos and information on smile aesthetics, the Bioclear Patient Book will help dentists by *showing* patients the beautiful new smile they can have instead of *describing* it.

The Patient Brochure is handy for the patient to take home and shows before and after photos for black triangle, diastema closure, and peg lateral treatments.

The Bioclear Marketing flash drive contains before and after example images from Dr. Clark and Dr. Kim's cases and a video slideshow using these photos for display in waiting rooms or for use in patient consultations.

ITEM	ORDER ID	QТY
Patient Brochures	700061.50	50 brochures
Patient Book	700071	1 book
Patient Marketing Package	700011	100 brochures, 4 clear acrylic stands, 3 books, 1 flash drive w/ marketing photos & a slide-show video





Patient Brochure



ABOUT BIOCLEAR

Dr. David Clark received his dental degree in 1986 from the University of Washington School of Dentistry, home to some of the legends of cast gold such as the late Dr. Richard Tucker, David's goal with composite dentistry has always been to elevate its longevity and health to the "Gold Standard" of his predecessors. To accomplish that, he embarked on a quest to develop modern cavity preparations, matrices, wedges, separators, and filling and polishing methods to bring composite dentistry out of the dark ages.

He intends to create the same pride and confidence in composite that has always been part of the legacy of traditional cast gold. 25 years of clinical microscope dentistry in a hometown practice, lab research, and hundreds of lectures and hands on courses has enabled him to produce matrix systems and methods that are reinventing not just the way we do restorative dentistry, but more importantly, the way that we think about restorative dentistry. Welcome to the Bioclear

experience!









ANTERIOR



POSTERIOR



EQUIPMENT



- Anterior Matrix System
- Anterior Matrices
- TruContact Saws & Sanders
- 360° Veneer Matrices
- Interproximator

- Posterior Matrix System
- Biofit Posterior Matrices
- Twin Ring
- Diamond Wedges
- Sabre Wedges
- Soft Wooden Wedges
- Original Posterior Matrices

- HeatSync
- Blaster
- Blaster Accessories
- Curing Light
- Other Accessories

Instruments



LEARNING CENTER

- Learning Center Courses
- Bioclear Learning Center
- Marketing Materials





Patents: US8047843B2, US8272868B2, US8393897B2, US8641419B2.
Other Patents Pending.





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