

ISOLATION AND FIXATION

Dental Dam

Upgrade your isolation



 COLTENE

Upgrade Your Isolation

Complete isolation with HySolte Latex Dental Dam is crucial in Endodontic and Restorative dentistry. It helps produce a dry working field to ensure both reliable and high-quality treatment results, protects patients from aspiration or ingestion of foreign objects, and protects soft tissue from contact with other instruments. Studies show that dental dam is also an effective infection control barrier and can significantly reduce the load of

possible infectious airborne particles and minimize saliva and blood contaminated aerosol or spatter.^{1,2} For decades COLTENE has produced a comprehensive portfolio of high-quality dental dam, clamps, and accessories.

Upgrade your Isolation with COLTENE.



COMPREHENSIVE

We offer a comprehensive line of products to help isolate in each clinical situation.



SIMPLE

Dental dam application is actually a simple process. Choose the best possible material to meet your specific treatment needs as we guide you through the selection process.



SOLUTION DRIVEN

Our high quality products are engineered to facilitate isolation. Our products and training materials are the bridge that connect solutions with your treatment requirements.

Benefits



Absolute dryness



Unblocked field of vision on the treatment area



Safety and protection



1) Peng, X., Xu, X., Li, Y. et al. Transmission routes of 2019-nCoV and controls in dental practice. Int J Oral Sci 12, 9 (2020). <https://doi.org/10.1038/s41368-020-0075-9>

2) Cochran, M. et.al. The efficacy of the rubber dam as a barrier to the spread of microorganisms during dental treatment, JADA 119, 1 (1989)

Selection Guidelines

Our variety of dental dam materials ensure that the specific requirements of each clinical situation and treatment procedure are successfully and effectively met.

Elasticity, the ability to retract, thickness, color, and non-allergenic are relevant features to consider when choosing the most appropriate material.

CLINICAL SITUATION	
Gingival Status Athrophic or hypertrophic gingiva, i.e. thin, soft, dry, or inflammatory conditions. Dental dam retraction should not put too much stress on mucosa and gingiva.	Tooth Condition Tooth may be decayed and enhanced retraction is needed due to missing height of contour.
Choose a more flexible and thinner dental dam with less retraction which will ease any stress on the gingiva.	Choose HySolate Latex Dental Dam. Thicker dental dam allows for better retraction for a tight fit around the isolated area.

PATIENT DISPOSITION	
Allergy Patient and/or staff may have allergic reactions to the proteins in latex	Anxiety/Pain Sensitivity Patient has anxiety or claustrophobia and rejects the application of dental dam
Choose a non-latex dental dam to avoid allergic reactions to latex proteins.	- Choose a non-latex dental dam to avoid allergic reactions to latex proteins. - Choose HySolate Flexi Dam with built-in flexible frame for less stress on the patient.

CLINICAL PROCEDURES	
Endodontics Endodontic procedures may use aggressive substances like NaOCl. Dental dam material needs to be resistant upon contact.	Restoration For aesthetic results, higher contrast is required.
Choose HySolate Latex Dental Dam as it affords the highest resistance to contact of foreign substances.	Choose a darker dental dam to reduce eye fatigue and provide a good contrast to the working area.

PATIENT AGE		
Child First time application, possible fear and anxiety. Small(er) jaw	Young Adult Gingivia is firm(er)	Older Adult Gingivia tends to be thinner, softer and drier. Mucosa is more vernerable and susceptible to mechanical stimulus. Dispostion for latex allergy can be elevated due to age.
- Use a light and pleasant color for a calming effect. - Choose 5" x 5" (127 x 127 mm) dental dam for smaller patients.	- Choose HySolate Latex Dental Dam. Thicker dental dam allows for better retraction for a tight fit around the isolated area. - Choose 5" x 5" (127 x 127 mm) dental dam for smaller patients.	- Choose a more flexible and thinner dental dam with less retraction which will ease any stress on the gingiva. - Choose a non-latex dental dam to avoid allergic reactions to latex proteins.

GENERAL RECOMMENDATIONS

- › Cut out the dental dam sheet so that nose breathing is possible.
- › Put Parotisroll on the upper lip to create space between nose and the dental dam sheet.
- › Use Dental Dam Napkins to ease the contact of the dental dam material with the skin.

HySolate Dental Dam Portfolio

Application



HySolate Non-Latex

Dental Dam Standard Non-Latex

Made of a resistant material with latex resembling retraction properties. Ideal for strong retraction.

Flexi Dam Non-Latex

HySolate Flexi Dam Non-Latex is made of an elastomer and performs with high elasticity while tension is moderate. Extra elastic and latex-free dental dam for soft retraction.

Flexi Dam Framed Non-Latex

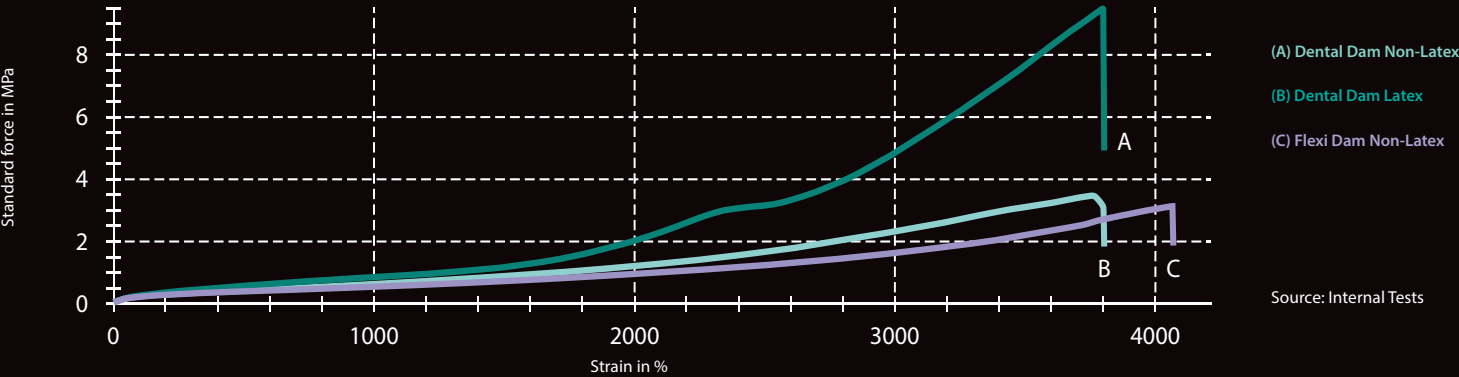
HySolate Flexi Dam Framed is equipped with a built-in frame. You can get started without the need to have a frame at hand. The flexible frame is designed with working size of 100 x 105 mm to ensure for easy fitting.



	Dental Dam Non-Latex	Flexi Dam Non-Latex	Flexi Dam Framed Non-Latex
Retraction	× × ×	×	×
Elasticity	—————	—————	—————
Framed	—	—	✓
Thickness	Medium	Medium	Medium
Colors	■	■ ■ ■	■
Scent	—	—	—
Children Size 5" x 5" (127 x 127 mm)	✓	—	—

Stress-Strain Diagram

Flexi Dam Non-Latex performs with high elasticity while tension is moderate. It is ideal for softer retraction. **Dental Dam Non-Latex** is not as elastic as Flexi Dam while showing higher tension. Retraction forces on the gingiva are higher. It is the latex free alternative to latex when seeking strong retraction. **Dental Dam Latex** provides the best possible retraction



HySolate Latex

Latex Dental Dam

HySolate Latex Dental Dam is made of pure, natural rubber latex and is powder free.¹ Powder free, low protein dental dam is a simple and clever measure to reduce the risk of developing latex hypersensitivity.

Latex Dental Dam BLACK EDITION pre-printed

The black dental dam has the template for marking the tooth position printed on. This saves the working step of marking the

dam before punching. The black color provides ultimate, clear contrast and is ideal for taking photographs.

Fiesta Latex Dental Dam

Use fruit-scented, powder-free HySolate Latex Dental Dam for greater patient and staff comfort. Each box contains an assortment of purple, blue, and pink colored sheets.

¹ Powder content < 50µg/dm²
Protein content < 2 mg/sheet

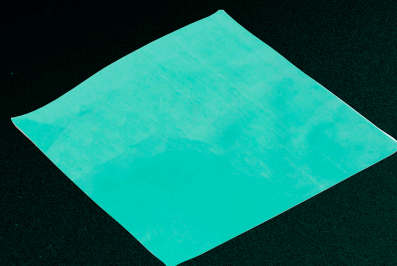


	Latex Dental Dam	Latex Dental Dam pre-printed	Fiesta Latex Dental Dam
Retraction	xxxx	xxxx	xxxx
Elasticity	HH	HH	HH
Framed	-	-	-
Thickness	Thin, Medium, Heavy, X-Heavy	Thin, Medium, Heavy, X-Heavy	Thin, Medium, Heavy,X-Heavy
Colors			
Scent	-	-	✓
Children Size 5" x 5" (127 x 127 mm)	✓	-	✓

Order Information

HySolate Dental Dam Non-Latex

SIZE	COLOR	THICKNESS	CONTENT
		Medium	Sheets
6" x 6" (152 x 152 mm)	Green	H09105	15
		H09106	75
5" x 5" (127 x 127 mm)	Green	H09928	15



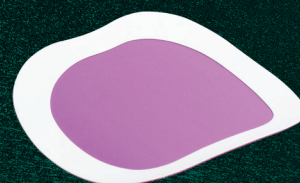
HySolate Flexi Dam Non-Latex

SIZE	COLOR	THICKNESS	CONTENT
		Medium	Sheets
6" x 6" (152 x 152 mm)	Purple	H09945	30
	Green	H09946	
	Blue	H09947	



HySolate Flexi Dam Non-Latex Framed

SIZE	COLOR	THICKNESS	CONTENT
		Medium	Sheets
3.91" x 4.12" (100 x 105 mm)	Purple Framed	H00750	20



HySolate Dental Dam Latex

SIZE	COLOR	THICKNESS				CONTENT
		Thin	Medium	Heavy	X-Heavy	
6" x 6" (152 x 152 mm)	Green	60034418	60034419	60034420	60034421	36
		-	60034423	-	-	360
	Black pre-printed	60031351	60031352	60031353	60031354	36
		-	60031355	-	-	360
	Blue	-	60034442	60034443	-	36
	Light	60034427	60034428	60034429	60034430	36
		-	60034431	-	-	360
5" x 5" (127 x 127 mm)	Green	60034414	60034415	60034416	60034417	52
		-	60034422	-	-	364
	Blue	-	60034441	-	-	52
		60034424	60034425	60034426	-	52
	Light	-	60034432	-	-	364



HySolate Fiesta Dental Dam Latex

SIZE	COLOR	THICKNESS			CONTENT
		Thin	Medium	Heavy	Sheets
6" x 6" (152 x 152 mm)	Fiesta	60034433	60034436	60034438	36
		–	60034440	–	360
5" x 5" (127 x 127 mm)	Fiesta	60034434	60034435	60034437	52
		–	60034439	–	364



Dental Dam Kits



REF	DESCRIPTION	CONTENTS
H02778	Winged Complete Kit	1: Box 6" x 6" (36 pcs) Latex dental dam medium, green 1: 6" Dental Dam Frame (Made in USA) 1: Fiesta 9 color-coded winged clamp-pack 1: 6" Dental dam template 1: Dental dam punch 1: Dental dam forceps 1: Latex Wedjet (small, yellow) Instruction manual
H02900	Simple Dam Kit	1: Box 6" x 6" (36 pieces) Black Pre-printed Dam 4: Fiesta dental dam clamps (#2, #9, #12A, #13A) (Made in USA) 1: 6" Dental dam template 1: Dental dam punch 1: Dental dam forceps 1: Latex Wedjet (small, yellow) 1: 6" Dental dam frame (Made in USA) Instruction Manual
H02790	Wingless Complete Kit	1: Box 6" x 6" (36 pcs) Latex dental dam medium, green 1: Fiesta 9 color-coded winged clamp pack 1: Dental dam forceps 1: Dental dam punch 1: Dental dam template 1: 6" Dental Dam Frame (Made in USA) 1: Latex Wedjet (small, yellow) Instruction manual
H02779	Winged Standard Kit	1: Box 6" x 6" (36 pieces) Black Pre-printed Dam 1: Fiesta 9 color-coded winged clamp pack 1: 6" Dam dam template 1: Latex Wedjet (small, yellow) 1: Plastic frame (Made in USA) Instruction manual

Forceps

REF
H01262



Manufactured from high quality stainless steel to enable secure transfer and fixation of a clamp to a tooth. Engineered for a light-weight, comfortable grip and a matte finish to reduce eye fatigue.

Punch

REF
H01261



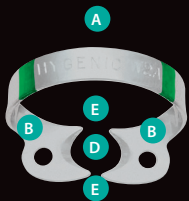
Ainsworth-style stainless steel punch with 5 holes for use with Flexi Dam, Dental Dam Latex and Dental Dam Non-Latex. Easy to handle and can be sterilized.

Fixation

Clamps

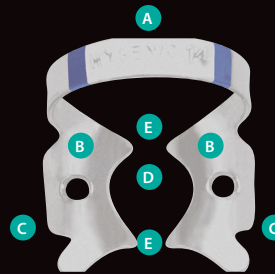
Dental dam fit partly depends on how it is secured to the teeth. COLTENE makes fixation simple with both wingless and winged clamps. Winged clamps have projections at the jaws while wingless do not. Our aim is to accommodate application techniques with any dentist's style. Our dental dam clamps are manufactured from high quality stainless steel for greater durability.

WINGLESS



Wingless clamps are positioned intra-orally first and then the dam is stretched over the clamp and tooth. Our wingless clamps are designated with a W for easy identification.

WINGED

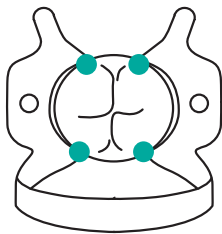


- A Distal Bow
- B Jaws
- C Wings
- D Beak
- E Contact points

Winged clamps combine steps by placing the dam, clamp and frame simultaneously. Once applied, the dam is stretched off the wings of the clamp.

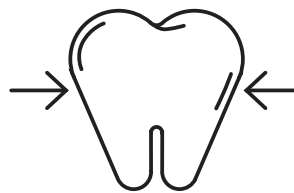
Four-Point Contact

Select a clamp that will maintain four-point contact with the tooth's proximal surfaces. The clamp is positioned with the bow on the distal of the tooth. Universal clamps can be used on the left and the right side of both the upper and the lower jaw. Both clamp jaws are equal.



Brinker Clamps

Provide maximum retraction without laceration of gingival tissue



Retention – horizontal effect



Retention – apical effect

Wedjets – Stabilization Cord

Wedjets elastic stabilizing cord provides a quick and easy way to retain dental dam and can complement or supplement clamp usage.



Select your clamps

Select a clamp that will maintain four-point contact with the tooth's proximal surfaces. The clamp is positioned with the bow on the distal of the tooth. Universal clamps can be used on the left and the right side of both the upper and the lower jaw. Both clamp jaws are equal. Our comprehensive selection of anatomical shapes help aid in quick and easy placement.

Standard clamps

Gloss finished standard clamps.



#W00



#00



#12A



#13A

Fiesta clamps

Each clamp is individually color-coded for unmistakable identity. Experienced and novice associates will appreciate this time saving identification method when using Fiesta Color-Coded Clamps.



#W9



#7



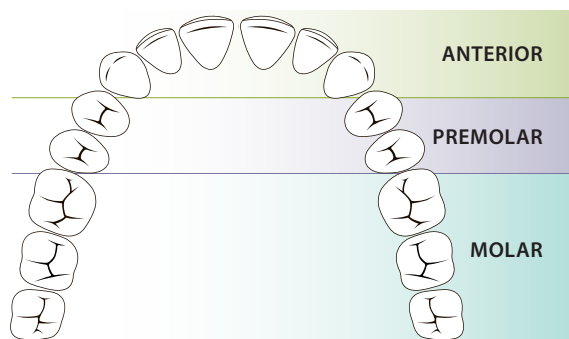
#B1



#B2

Tiger clamps

Clamps with serrated jaws to be used for structurally compromised tooth.



Brinker clamps

Clamps have extra inclined beaks to provide maximum retraction of the gingiva. They provide maximum retraction without laceration of gingival tissues.



		ANTERIOR SIZES					PREMOLAR SIZES							
Clamps		#9	#212	#B4	#B5	#B6	#00	#1	#2	#2A	#B4	#B5	#B6	
Winged	Standard	×					×	×	×	×				
	Fiesta	×							×	×				
	Tiger													
Wingless	Standard	×	×				×		×	×				
	Fiesta	×							×	×				
	Brinker			×	×	×					×	×	×	
		MOLAR SIZES												
Clamps		#3	#4	#7	#8	#8A	#12A	#13A	#14	#14A	#56	#B1	#B2	#B3
Winged	Standard	×	×	×	×	×			×	×				
	Fiesta		×	×		×	×	×		×				
	Tiger						×	×						
Wingless	Standard	×		×	×	×			×	×	×			
	Fiesta	×		×	×	×				×	×			
	Brinker											×	×	×

Order Information

WINGLESS

ANTERIOR



Standard | #W9
H02770



Standard | #212
H07792



Fiesta | #W9
H02800



Brinker | #B4
H01051



Brinker | #B5
H01052



Brinker | #B6
H01053

PREMOLAR



Standard | #W00
H02769



Standard | #W2
H02768



Standard | #W2A
H02775



Fiesta | #W2
H02794



Fiesta | #W2A
H02795



Brinker | #B4
H01051



Brinker | #B5
H01052

MOLAR



Standard | #W3
H03814



Standard | #W7
H02765



Standard | #W8
H02767



Standard | #W8A
H02766



Standard | #W14
H02774



Standard | #W14A
H02764



Standard | #W56
H03815



Fiesta | #W3
H02796



Fiesta | #W7
H02797



Fiesta | #W8
H02798



Fiesta | #W8A
H02799



Fiesta | #W14A
H02802



Fiesta | #W56
H02803



Brinker | #B1
H01048



Brinker | #B2
H01049



Brinker | #B3
H01050

WINGED

CLAMP SETS

H02801	HySolate	FIESTA 9W Color-Coded Wingless Clamp Pak
H09966	HySolate	FIESTA 9 Color-Coded Winged Clamp Pak
H09956	HySolate	FIESTA Color-Coded Clamp Organizer
H02701	HySolate	Gloss Finish System-9 Winged Clamp Pak
H01054	HySolate	Brinker Clamp Set



Standard | #9
H02763



Fiesta | #9
H09962



Standard | #00
H02762



Standard | #1
H02703



Standard | #2
H02761



Standard | #2A
H05688



Fiesta | #2
H09957



Fiesta | #2A
H09958



Standard | #3
H05689



Standard | #4
H02704



Standard | #7
H02758



Standard | #8
H02760



Standard | #8A
H02759



Standard | #14
H05690



Standard | #14A
H02757



Tiger | #12A
H02706



Tiger | #13A
H02705



Fiesta | #4
H09959



Fiesta | #7
H09960



Fiesta | #8A
H09961



Fiesta | #12A
H09963



Fiesta | #13A
H09964



Fiesta | #14A
H09965

Accessories

Order Information

Wedjets – Stabilization Cord

SIZE	LENGTH	COLOR	REF
HySolate LATEX			
Small	7 ft. / 2.1 m	Yellow	H06522
Large		Orange	H06523
HySolate NON-LATEX			
Small	7 ft. / 2.1 m	Lime green	H06524
Large		Aqua blue	H06525



Dental Dam Frames

TYPE	SIZE		REF
Ostby plastic frame – radiolucent	6"	152 mm	H00560
U-shaped plastic frame – radiolucent			H01414
U-shaped metal frame			H07083
U-shaped plastic frame – radiolucent	5"	127 mm	H01416
U-shaped metal frame			H07082

All frames may be autoclaved



Dental Dam Template

TYPE	REF
6" x 6" (152 x 152 mm) Dental dam template	H01441
5" x 5" (127 x 127 mm) Dental dam template	H01440



Ora Shield

TYPE	CONTENT	REF
Regular for frame sizes 5" (127 mm) and 6" (152 mm)	50 pcs	H01415
Large for use with strap holder	50 pcs	H00841

