

Vitapex[®]

ROOT CANAL MEDICAMENT (Radiopaque)



1 prefilled syringe
containing 2.0g paste
20 disposable tips

Premixed Calcium Hydroxide + Iodoform Paste for Root Canal Treatment

**Clinically
Proven!**
FDA 510(k)
K973667
(issued 1997)



Indications

- Intracanal Medicament
- Apexification
- Exudation Control
- Periapical Lesions
- Root Resorption
- Temporary Root Filling
- Perforations
- Under developed Pulpless Teeth

Benefits

- Quiets "Hot Abscess"
- Disinfects Canal
- Promotes Apexification
- Treats Traumatic Injuries
- Radiopaque
- Quick and Simple Application
- Antibacterial and Bacteriostatic

Available through your local dealer



NEO DENTAL INTERNATIONAL INC.

2505 South 320 Street, Suite 250
Federal Way, WA 98003
USA

Tel (253) 946-0814

Toll Free: 1-800-720-0096

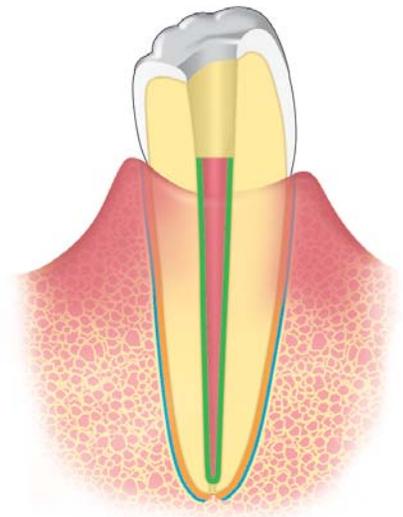
Fax (253) 946-0885 E-mail: ndi@neodental-intl.com

Web: www.neodental-intl.com

Permanent Treatment

In Conjunction with Gutta Percha and Sealer

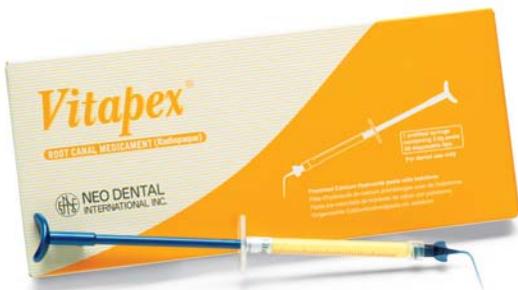
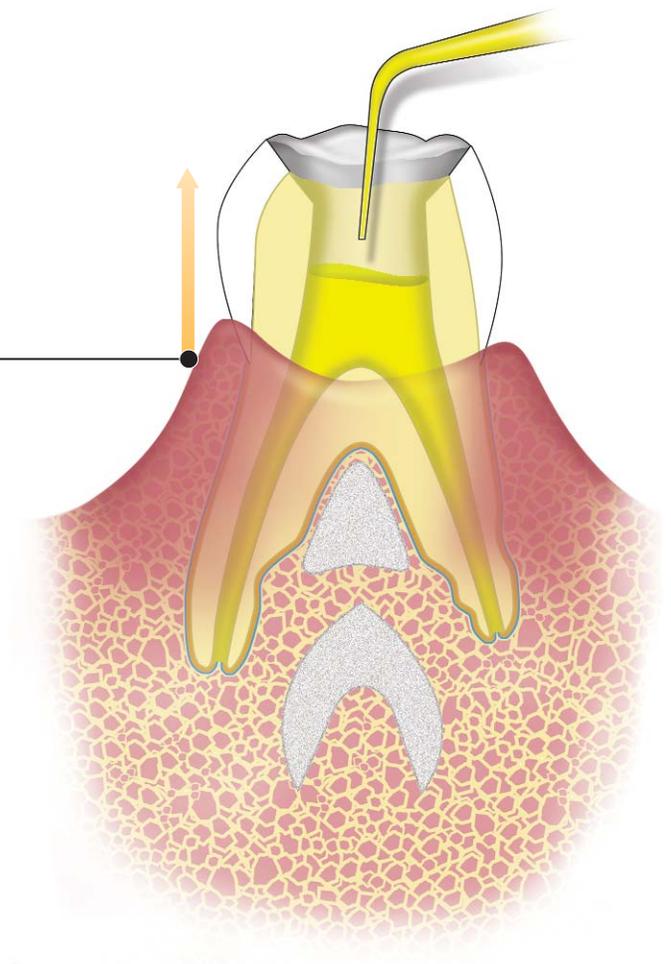
- To ensure apical closure place a small amount of Vitapex at the periapical portion of the canal.
- Complete obturation using your normal Gutta Percha + Sealer technique.
- Place a permanent restoration to seal the access opening.



Deciduous Teeth

Insert the syringe tip near the apex.

Express Vitapex into the canal until it reverses back into the pulp chamber. At this point careful manipulation is necessary to ensure excess Vitapex is not extruded, past the apex.

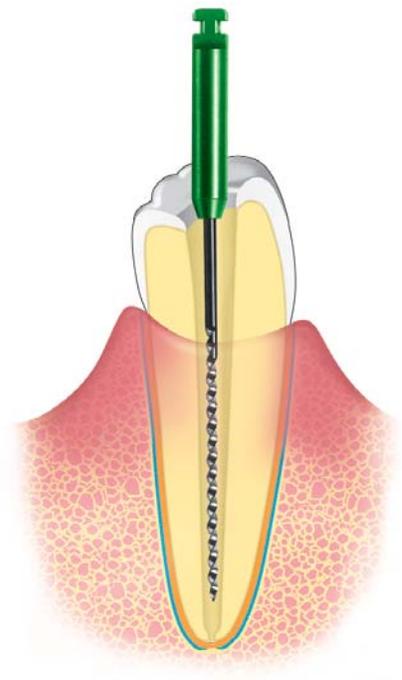


Please Note:

Vitapex disposable tips should be replaced after each patient.
Tips may be bent for easy access into the canal.

Root Canal Preparations

- Before using Vitapex, clean and shape the canal using conventional methods.
- Note: the outside diameter of the syringe is approximately equivalent to a **#40 file**.



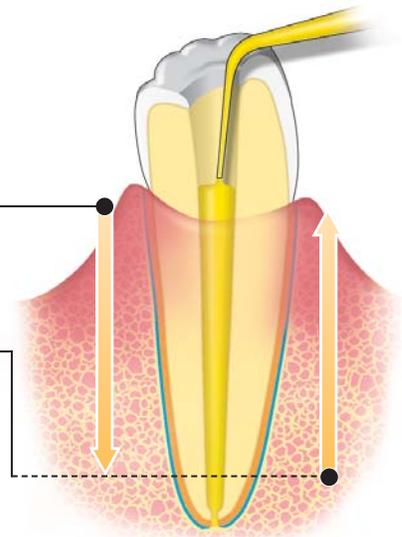
Temporary Intracanal Medicament

Insert the tip of the Vitapex syringe into the apical fifth of the root canal length.

By depressing the piston, the paste will begin to reach the apical foramen. At this point slowly withdraw the syringe.

Once the canal is filled with Vitapex complete the treatment by placing a temporary restoration to seal the access opening.

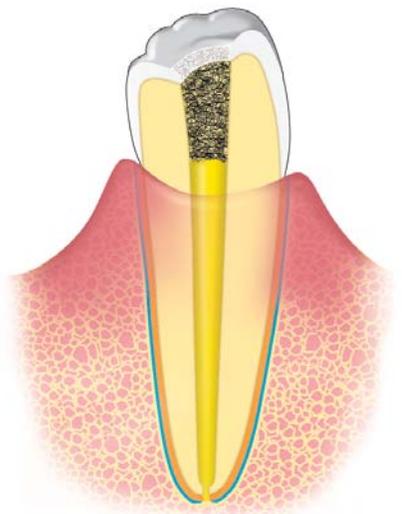
Vitapex does not set and can be removed during a subsequent visit with liberal amounts of Sodium hypochlorite and a file.



Please Note:

Any Vitapex placed beyond the apical foramen will be resorbed over a period of several weeks.

When treating a fulminating abscess any Vitapex placed in the periapical tissue will neutralize the acids produced by the abscess; thereby, providing faster relief of acute symptoms.



Vitapex[®]

ROOT CANAL MEDICAMENT (Radiopaque)



Ingredients:

Calcium hydroxide	30%	Stimulates “ blast ” cells aiding apexogenesis High pH neutralizes endotoxins produced by anaerobic bacteria
Iodoform	40.4%	Bacteriostatic Increased radiopacity
Silicone Oil	22.4%	Lubricant, ensures complete coating of canal walls Never hardens; solubilized Calcium hydroxide remains active in root canal
Inert	6.9%	
Packaging		2 g of paste per syringe + 20 disposable tips
Storage		Store in a dark environment

Vitapex can be used as a temporary or permanent root canal filling material after pulpectomy. It can be used on its own (temporary), or in conjunction with Gutta Percha (permanent). It is also ideal for the treatment of infected root canals and for vital pulpotomies in deciduous teeth.

References

- Thomas A.M., et al.** Elimination of infection in pulpectomized teeth: a short-term study using Iodoform paste. *J. Endod.* 1994 20(5): 233-5
- Cohen S., Burns R.
Eda S., et al.** Pathways of the Pulp. 7th Ed. 1998, Mosby
Clinical pathological studies on the healing of periapical tissues in aged patients by root canal filling using pastes of Calcium hydroxide added Iodoform. *Geriodontics* 1985 1: 98-104
- Nurko C., Garcia-Godoy F.** Evaluation of a Calcium hydroxide / Iodoform paste (Vitapex) in root canal therapy for primary teeth. *J. Clin. Pediatr. Dent* 1999 23(4): 289-294

Vitapex is available from your local Dealer



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NEO DENTAL INTERNATIONAL INC.
Material Safety Sheet

IDENTITY

1.1 Product Trade Name : Vitapex
1.2 Product Use : Root Canal Filling Material

SECTION 1

1.3 Manufacturer / Importer : Neo Dental International Inc.
1.4 Address : 2505 South 320th Street, Suite #250
Federal Way, Wa 98003
1.5 Emergency Phone Number : 1-800-720-0096
1.6 Customer Service Number : 1-253-946-0814
1.7 Date Prepared : Jan. 10, 2003

SECTION 2 - Hazardous Ingredients

2.1 Hazardous Ingredient : Iodoform
2.2 PEL/TLV : 25mg/m3 (Iodine Fume)
2.3 DOT Hazard Classification : None
2.4 WHMIS Classification : None

SECTION 3 – Physical / Chemical Characteristics

3.1 Boiling Point : N/A
3.2 Vapor Point : N/A
3.3 Evaporation Point : N/A
3.4 Odor : None
3.5 Specific Gravity : None
3.6 Vapor Density : N/A
3.7 Melting Point : 100c
3.8 Solubility In Water : Low
3.9 Appearance : Yellow Paste

SECTION 4 – Fire and Explosion Hazard Data

4.1 Flash Point : None
4.2 Flammable Limits : N/A
4.3 Autoignition Temperature : N/A
4.4 Extinguishing Media : Water. Use any means suitable for
extinguishing surrounding fire.
4.5 Special Fire Fighting Procedures : Positive pressure, self contained breathing
apparatus.
4.6 Unusual Fire and Explosion Hazards : None

SECTION 5 – Reactivity Data

5.1 Stability : Stable
5.2 Conditions to Avoid (Stability) : Natural Light, excessive heat and humidity
5.3 Incompatibility : Strong oxidizing agents
5.4 Hazardous Decomposition or
Byproducts : Iodine
: Iodine fumes when heated to
decomposition
5.5 Hazardous Polymerization : Will not occur
5.6 Conditions to Avoid (Polymerization) : None

SECTION 6 – Health Hazard Data

6.1 Summary of Acute Hazards	: Minimal health hazard under normal conditions of use. : Not known to cause significant health problems.
6.2 Route of Exposure	: Inhalation, Eye contact, Skin absorption, Skin contact – N/A : Indigestion – Yes
6.3 Signs and Symptoms of Exposure	: None Known
6.4 Summary of Chronic Hazards	: Not Known to cause significant health problems.
6.4.1 Carcinogenicity	: NTP - N/A IARC Monographs – N/A OSHA regulated – No
6.4.2 Teratogenicity	: None Known
6.4.3 Mutagenicity	: None Known
6.4.4 Reproductive Toxicity	: None Known
6.5 Medical Conditions	: None Known
6.6 Emergency First Aid Procedures	: Not required

SECTION 7 – Precautions for Safe Handling & Use

7.1 Handling and Storage	: Keep in closed container stored in a cool, dry, ventilated area.
Precautions	: Avoid exposure to natural light and heat over 38 degrees.
7.2 Steps to be Taken if Material is released or spilled	: Wear gloves. Pick up spilled materials and place spilled materials in container for disposal.
7.3 Waste Disposal Method	: Follow all government regulations
7.4 Other Precautions	: Wash hands after use. Store away from food.

SECTION 8 – Control Measures

8.1 Respiratory Protection	: Not necessary under normal conditions
8.2 Ventilation	: No special ventilation required
8.3 Protective Gloves	: Impervious gloves recommend
8.4 Eye Protection	: Chemical safety gloves are recommended
8.5 Other Protective Clothing or Equipment	: Common uniform and equipment
8.6 Work / Hygienic Practices	: Use normal care when working with chemicals.

Dentalis®

ROOT CANAL SEALER

15g powder
10 ml liquid
Spoon and
mixing pad

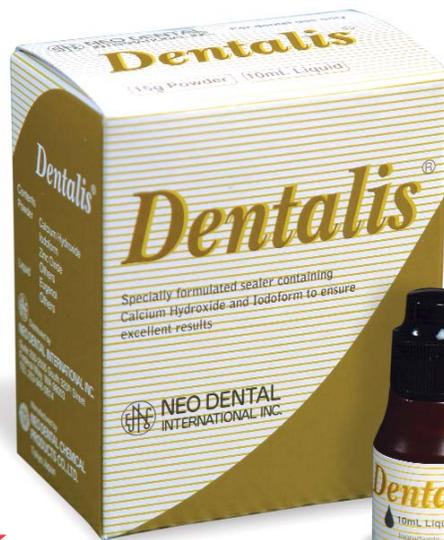


Calcium hydroxide and Iodoform Sealer

Indications

- Root canal sealer
- Antibacterial dressing

Clinically Proven!
FDA 510(k)
K971642
(issued 1997)



Benefits

- Excellent radiopacity
- Antibacterial
- Ideal flow characteristics
- Adheres to root canal wall and Gutta Percha
- Ensures closing of the radicular pulp cavity



Available through your local dealer

Technical Data

Radiopacity	4.4 mmAL
Flow	31.0 mm
Solubility	1.75 %
Setting time	5 - 10 minutes
Working time	4 - 6 hours

Package contains:

15g powder
10ml liquid
Spoon and
mixing pad

Exceeds International Standards

- **RADIOPAQUE**
- **MEDICATED**
- **OUTSTANDING FLOW**



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IDENTITY

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1.2 Product Use : Root Canal Sealer

SECTION 1

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1.6 Customer Service Number : 1-253-946-0814
1.7 Date Prepared : Jan. 10, 2003

SECTION 2 - Hazardous Ingredients

2.1 Hazardous Ingredient Powder : Iodoform
2.1 Hazardous Ingredient Liquid : Eugenol
2.2 PEL/TLV : 25mg/m³ (Iodine Fume)
2.3 DOT Hazard Classification : Harmful if Swallowed
2.4 WHMIS Classification : None

SECTION 3 – Physical / Chemical Characteristics

3.1 Boiling Point : N/A
3.2 Vapor Point : N/A
3.3 Evaporation Point : >1.0
3.4 Odor : Odor of eugenol (oil of cloves)
3.5 Specific Gravity : >1 g/ml
3.6 Vapor Density : N/A
3.7 Melting Point : N/A
3.8 Solubility In Water : Low
3.9 Appearance : White Powder, Amber Liquid

SECTION 4 – Fire and Explosion Hazard Data

4.1 Flash Point : None
4.2 Flammable Limits : N/A
4.3 Autoignition Temperature : N/A
4.4 Extinguishing Media : Carbon Dioxide, foam, dry chemical
4.5 Special Fire Fighting Procedures : Self-Contained breathing apparatus
4.6 Unusual Fire and Explosion Hazards : None

SECTION 5 – Reactivity Data

5.1 Stability : Stable
5.2 Conditions to Avoid (Stability) : Excessive Heat
5.3 Incompatibility : Strong oxidizing agents
5.4 Hazardous Decomposition or Byproducts : Iodine
: Iodine fumes when heated to decomposition
5.5 Hazardous Polymerization : Will not occur
5.6 Conditions to Avoid (Polymerization) : None

SECTION 6 – Health Hazard Data

6.1 Summary of Acute Hazards	: Minimal health hazard under normal conditions of use. Harmful if swallowed. Avoid contact with eyes and skin. Prolonged exposure may cause drowsiness. Some patients may experience an allergic reaction to the eugenol contained in product.
	: Not known to cause significant health problems.
6.2 Route of Exposure	: Inhalation, Eye contact, Skin absorption, Skin contact – N/A
6.3 Signs and Symptoms of Exposure	: Indigestion – Yes
6.4 Summary of Chronic Hazards	: None Known
	: Not Known to cause significant health problems.
6.4.1 Carcinogenicity	: NTP - N/A IARC Monographs – N/A OSHA regulated – No
6.4.2 Teratogenicity	: None Known
6.4.3 Mutagenicity	: None Known
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6.5 Medical Conditions	: None Known
6.6 Emergency First Aid Procedures	: Not required

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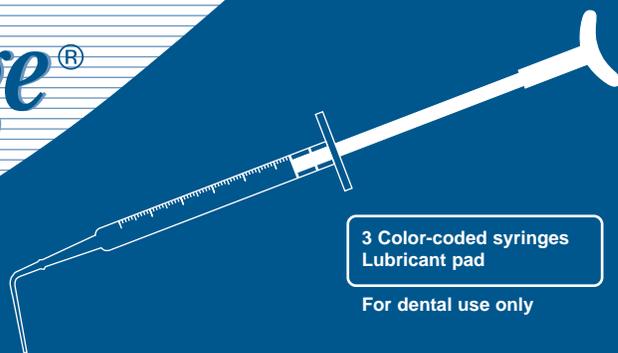
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Precautions	: Avoid exposure to heat over 38 degrees.
7.2 Steps to be Taken if Material is released or spilled	: Wear gloves. Soak up spilled materials with paper towel and place spilled materials in container for disposal.
7.3 Waste Disposal Method	: Follow all government regulations
7.4 Other Precautions	: Wash hands after use. Store away from food.

SECTION 8 – Control Measures

8.1 Respiratory Protection	: Avoid breathing of vapors
8.2 Ventilation	: Local exhaust ventilation
8.3 Protective Gloves	: Impervious gloves recommended
8.4 Eye Protection	: Chemical safety gloves are recommended
8.5 Other Protective Clothing or Equipment	: Common uniform and equipment
8.6 Work / Hygienic Practices	: Use normal care when working with chemicals.

Multiflex Syringe®

REUSABLE SYRINGE FOR IRRIGATION



3 Color-coded syringes
Lubricant pad

For dental use only

Autoclavable Syringe



Clinically Proven!

FDA 510 (k)
K955703
(issued 1996)

Indications

- Periodontal irrigation
- Endodontic irrigation

Benefits

- Soft tip prevents tissue damage
- Autoclavable, can be reused up to 50 times
- Compatible with all liquids
- Calibrated 5.5ml syringe
- Narrow tip

Available through your local dealer

Package Contains:

3 Color coded syringes
plus lubricant

- CHEMICLAVABLE
- AUTOCLAVABLE
- REUSABLE



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