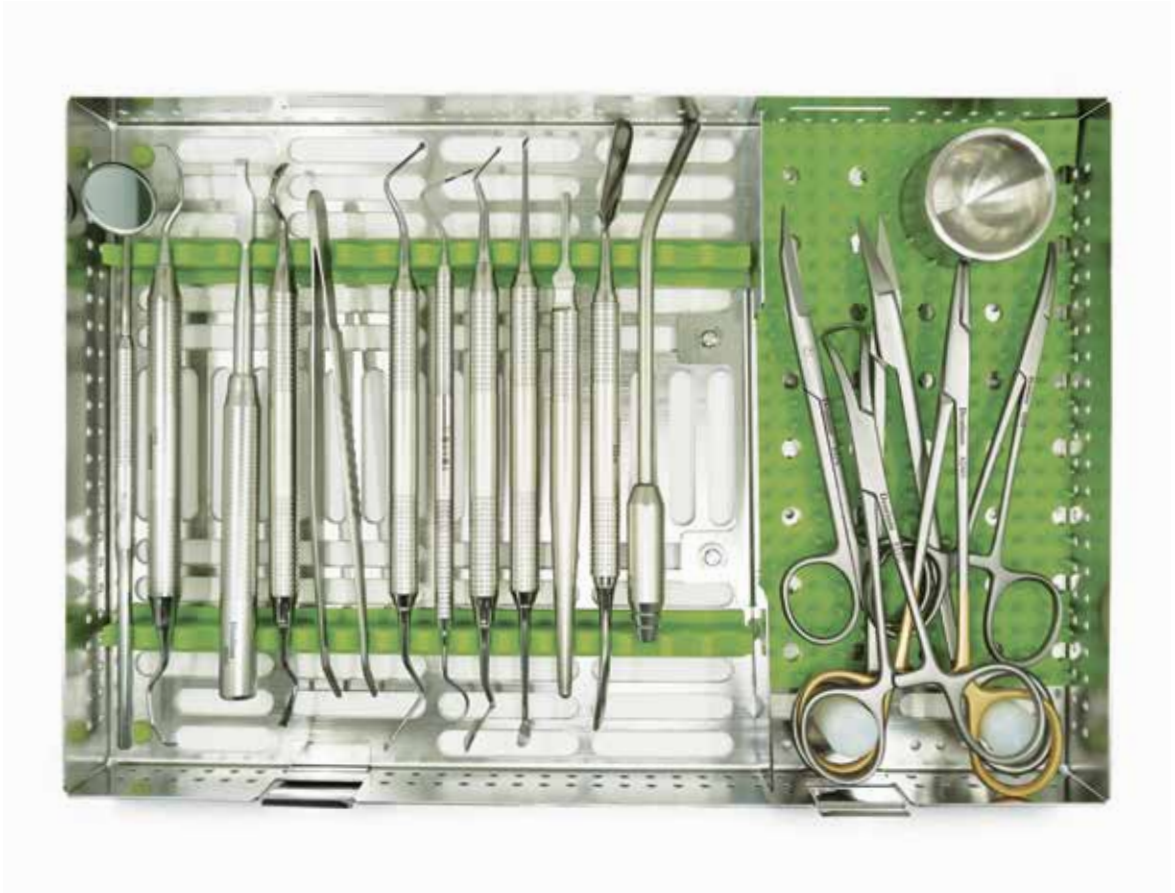
www.dentium.com

Dentium Surgery Kit

Dental Implant Surgical Instrument Set

Dentium
For Dentists By Dentists

Dentium Surgery Kit is a cassette of surgical instruments for periodontal and dental implant surgery. The cassette is divided into two sections to best store surgical instruments. One section has individual holders to accommodate 16 linear surgical instruments. The other section is padded with silicone protection and two ring-holders to securely hold scissor-like instruments with finger inserts. The cassette has a spring-lock mechanism to offer easy opening and closing of the lid without mechanical breakage.



Surgery Kit
XDSK

Mouth Mirror

• Intraoral inspection mirror for high-quility reflection.

Art. No.
XSMH

Explorer & Probe

• A single dental diagnostic instrument with both explorer and periodontal probe tips.

Art. No.
XSEP

Titanium Suction Tip

• Designed for practicality and longevity, it can be used on various surgical procedures.

Art. No.
XSST

Blade Holder

• A scalpel handle with ergonomic design for precise incisions.

Art. No.
XSBH

Periodontal Elevator (Prichard)

• Instrument for flap retraction.

Art. No.
XSPE

Surgical Curette (Molt Curette)

• For removal of cysts and necrotic tissues from the alveolar bone.

Art. No.
XSMC

Surgical Curette

• For removal of cysts and necrotic tissues from the alveolar bone.

Art. No.
XSSC

Periodontal Chisel (Back Action Chisel)

• An ideal instrument which can remove bone without damaging the adjacent teeth.

Art. No.
XSBAC

Kirkland Knife 15/16

• The blade on the outer edge of the tip allows easy gingivectomy procedure.

Art. No.
XSKK

Ochsenbein Chisel

• A chisel type instrument to remove or reshape bone.

Art. No.
XSOC

Universal Curette

• Used to remove granulation tissue and hard subgingival deposits.

Art. No.
XSUC

Tissue Forceps (Curved)

• A plier used to hold gingival tissues.

Art. No.
XSTF

Hemostat (Curved)

• An arterial forceps used in many surgical procedures to control bleeding.

Art. No.
XSHS

Needle Holder

• Used to hold and guide the needle during suturing.

Art. No.
XSNH

Goldman Fox Scissors

• Used to remove granulation tissue from surgical valves and the lower part of interdental papilla.

Art. No.
XSTS

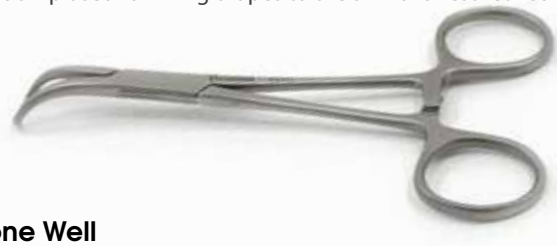
Dean Scissors

• The saw-like blade of this instrument prevents the sutures or tissues from slipping.

Art. No.
XSDS

Towel Clamp

• A clamp used for fixing drapes to the skin of anesthetized patients.



Art. No.
XSTC

Bone Well

• A container used for mixing bones.

Art. No.
XSBW

Surgery Kit Maintenance

Manual Cleaning and Sterilization Procedure

It is important to use protective clothing and face shield while cleaning contaminated instruments. Always wear protective glasses, mask, gloves, etc. for your safety.

Cleaning

1. Rinse instruments immediately after use under running tap water (<40°C) for a minimum of one (1) minute to remove all debris including extraneous body fluids, bone debris and tissue.

2. Soak all instruments immediately after rinsing in an enzymatic cleaning solution* for 10 to 20 minutes (Do not soak overnight).

   * Follow manufacturer's instructions and observe recommended cleaning solution concentrations(enzymatic detergent with a pH level between 7-10 and temperature not to exceed 40°C). Do not use incompatible cleaning solutions to clean instruments.

3. For internal irrigation drills, use a 1mL syringe and a 25 gauge needle to clean the drill irrigation hole with a minimum of 0.2 mL of the prepared cleaning solution. Repeat this step two (2) more times for a total of three (3) rinses.

4. Scrub with a soft brush for a minimum of 1 (one) minute to remove any debris inside the drill irrigation hole.

5. Rinse the instruments under running tap water (<40°C) for a minimum of 1 minute. Use a 1mL syringe and a 25 gauge needle with a minimum of 0.2 mL of tap water to forcefully flush inside the drill irrigation hole. Repeat flushing of drill irrigation hole two (2) more times for a total of three (3) flushings.

6. Place instruments into an ultrasonic cleaner with neutral detergent**. Keep instruments inside the ultrasonic bath for 15 minutes using a frequency of 25-50 kHz. Ensure multiple instruments placed within the bath remain separated.

   * Follow manufacturer's instructions and observe recommended neutral detergent solution concentrations (neutral detergent with a pH level between 7-10 and temperature not to exceed 40°C). Do not use incompatible neutral detergent solutions to clean instruments.

7. Rinse instruments thoroughly with running tap water (<40°C) for a minimum of 1 (one) minute until all traces of neutral detergent solution are removed. Rinse inside drill irrigation hole using a 1mL syringe and a 25 gauge needle with a minimum of 0.2 mL of tap water.

   Repeat rinsing drill irrigation hole two (2) more times for a total of three (3) rinses.

8. Gently wipe instruments with a soft lint-free cloth or place the instruments in a drying cabinet (60°C for less than 10 hours) until fully dry. Blow residual water from drill irrigation hole using a 1mL syringe and a 25 gauge needle. Visually inspect instruments in a well-lit area to ensure they are clean, dry and free of residue.

9. Clean instrument trays with a germicidal cleaner prior to returning instruments into Kit.

10. Always check for damage or corrosion after rinsing and drying.

Sterilization

Dentium recommends either the Pre-vacuum or Gravity autoclave methods for sterilization under the conditions described below. However, autoclave performance can affect the efficacy of this process. Healthcare facilities should validate their sterilization processes employing the actual equipment and operators that routinely sterilize instruments.

All autoclaves/sterilizers should be regularly validated, maintained and checked in accordance with EN 285/EN 13060, EN ISO 17665, ANSI AAMI ST79 to ensure compliance with these and related standards. Make sure packaging is suitable for steam sterilization.

Recommended Sterilization Parameters

Method-Moist Heat Sterilization	Pre-vacuum	Gravity
Set Point Temperature	132°C	132°C
Exposure Time	4 Minutes	30 Minutes
Drying Time	20 Minutes	40 Minutes

Specifications are subject to change without prior notice.
Some products to be launched in the market after necessary approvals
are also listed in this catalog.

Dentium
For Dentists By Dentists

DSKC-1505 [REV.1]

HEAD OFFICE. Dentium Co., Ltd.
501 Gyeonggi R&DB Center, 105 Gwanggyo-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, Korea [443-270]
T +82-31-888-5441 **F** +82-31-888-5430 **E-mail** biz_mail@dentium.com / www.dentium.com

MANUFACTURER. OSUNG MND Co., Ltd.
57, #109 street, Hwang geun-ro, Yangchon-eub, Gimpo-city, Gyeonggo-do, Korea [415-843]