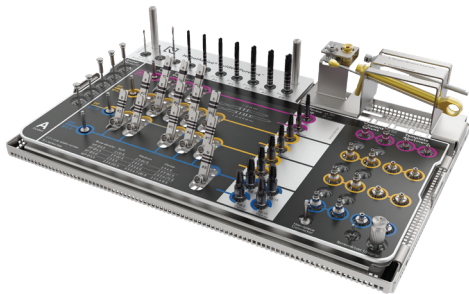


PureSet™ Tray



Important – Disclaimer of Liability

This product is part of an overall concept and may only be used in conjunction with the associated original products according to the instructions and recommendation of Nobel Biocare. Non-recommended use of products made by third parties in conjunction with Nobel Biocare products will void any warranty or other obligation, express or implied, of Nobel Biocare. The user of Nobel Biocare products has the duty to determine whether or not any product is suitable for the particular patient and circumstances. Nobel Biocare disclaims any liability, express or implied, and shall have no responsibility for any direct, indirect, punitive or other damages, arising out of or in connection with any errors in professional judgment or practice in the use of Nobel Biocare products. The user is also obliged to study the latest developments in regard to this Nobel Biocare product and its applications regularly. In cases of doubt, the user has to contact Nobel Biocare. Since the utilization of this product is under the control of the user, they are his/her responsibility. Nobel Biocare does not assume any liability whatsoever for damage arising thereof.

Please note that some products detailed in this Instruction for Use may not be regulatory cleared, released or licensed for sale in all markets

Description

PureSet™ Trays are reusable trays to be used in combination with Nobel Biocare surgical/prosthetic instruments and components. The PureSet™ Trays are used to store and organize the instruments and components during the surgical, restorative and reprocessing procedures.

The PureSet™ Tray consists of three parts: 1) a base with holders to accommodate the different surgical/prosthetic instruments and components, 2) a removable PureSet™ Plate (spare part) to indicate the surgical workflow (except for NobelZygoma™ PureSet™ Plate) (in case of the surgical tray) and the position of the instruments and components within the tray, and 3) a lid to securely contain the instruments during reprocessing.

There are different versions of the PureSet™ Tray available for the different Nobel Biocare surgical and prosthetic procedures. The instruments and components which are compatible with the various trays are specified in the respective wall charts. Please contact the local Nobel Biocare sales office for information regarding the wall charts.

Intended Use

The PureSet™ Tray is intended to store and organize Nobel Biocare surgical instruments and components during cleaning/sterilization and during implant/prosthetic treatment.

Indications

The PureSet™ Tray is used to store and organize Nobel Biocare surgical instruments and components during cleaning/sterilization and during implant/prosthetic treatment.

Contraindications

None identified.

Materials

- PureSet™ Tray: stainless steel/
polyetheretherketone (PEEK)/silicone.
- PureSet™ Plate: aluminum anodized with print.

Cautions

General

It is strongly recommended that Nobel Biocare PureSet™ Trays are used only with dedicated Nobel Biocare surgical instruments. The storage and organization of non-Nobel Biocare instruments in the PureSet™ Trays can lead to mechanical and/or instrumental failure.

It is strongly recommended that new and experienced users of Nobel Biocare products always go through special training before using a new product for the first time. Nobel Biocare offers a wide range of courses for various levels of knowledge and experience. For more information, please visit www.nobelbiocare.com.

When using a new device/treatment method for the first time, working with a colleague who is experienced with the new device/treatment method may help avoid possible complications. Nobel Biocare has a global network of mentors available for this purpose.

To avoid scratching the stainless-steel base, do not apply force, twist, or turn the drill around when evaluating the length of the drill's depth markings on the drill gauge.

Before Surgery

All components, instruments and tooling used during the clinical or laboratory procedure must be maintained in good condition and care must be taken that instrumentation does not damage implants or other components.

At Surgery

Care and maintenance of sterile instruments are crucial for a successful treatment. Sterilized instruments not only safeguard your patients and staff against infection but are also essential for the outcome of the total treatment.

Intended Users and Patient Groups

PureSet™ Trays are to be used by dental health care professionals.

Clinical Benefits and Undesirable Side Effects

Clinical Benefits Associated with PureSet™ Trays

PureSet™ Trays are a component of treatment with a dental implant system and/or dental crowns and bridges. As a clinical benefit of treatment, patients can expect to have their missing teeth replaced and/or crowns restored.

Undesirable Side Effects Associated with PureSet™ Trays

None known.

Notice regarding serious incidents

For a patient/user/third party in the European Union and in countries with an identical regulatory regime (Regulation 2017/745/EU on Medical Devices); if, during the use of this device or as a result of its use, a serious incident has occurred, please report it to the manufacturer and to your national authority. The contact information for the manufacturer of this device to report a serious incident is as follows:

Nobel Biocare AB

<https://www.nobelbiocare.com/complaint-form>

Sterility and Reusability Information

PureSet™ Trays (including the PureSet Plate) are delivered non-sterile and are intended for reuse. Prior to first use and reuse clean and sterilize the products following the manual or automated procedure in the Cleaning and Sterilization Instructions.

Warning Use of non-sterile devices may lead to infection of tissues or infectious diseases.

PureSet™ Trays, Plates, and any reusable surgical/prosthetic instruments shall be inspected prior to each use to ensure the integrity of the device is maintained. Any device with signs of corrosion and/or damage must be discarded and replaced.

The PureSet™ Plate is available as a spare part and should be replaced if the plate is discolored or if the legibility of the pictograms or the text is compromised.

Note The PureSet™ Tray (excluding the PureSet™ Plate) has been validated to withstand at least 500 reprocessing cycles.

Note The PureSet™ Plate has been validated to withstand at least 250 reprocessing cycles.

Cleaning and Sterilization Instructions

PureSet™ Trays (including the PureSet™ Plate) are delivered non-sterile by Nobel Biocare and are intended for reuse. Prior to each use, the PureSet™ Tray, Plate, and corresponding surgical/prosthetic instruments must be cleaned and sterilized by the user.

The PureSet™ Trays, Plates, and instruments can be cleaned manually, or in an automatic washer. After cleaning, the fully-assembled PureSet™ is sealed in a metal sterilization container, sterilization pouch, or sterilization wrap and sterilized.

The following cleaning and sterilization processes have been validated according to international standards and guidelines as applicable:

- Manual and Automated Cleaning: AAMI TIR 12
- Sterilization: AAMI ST79 and ISO 17665 -1

According to EN ISO 17664, it is the responsibility of the user/processor to ensure that the processing/reprocessing is performed using equipment, materials and personnel which are suitable to ensure the effectiveness of the processes. Any deviation from the following instructions should be validated by the user/processor to ensure the effectiveness of the process.

Note The manufacturer's instructions for use for any detergent / cleaning solution and/or equipment and accessories used to clean and/or dry the device(s) must be strictly followed where applicable.

Note Note: The PureSet™ Trays, Plates, and instruments have been validated to withstand these cleaning and sterilization procedures.

Caution Caution: Do not deviate from the following reprocessing instructions.

Assembly There are different versions of the PureSet™ Tray available for the different Nobel Biocare surgical and prosthetic procedures. The instruments and components which are compatible with the various trays are specified in the respective wall charts. Please contact the local Nobel Biocare sales office for information regarding the wall charts.

Initial Treatment at Point of Use Prior to Reprocessing

1. During surgery, always return used reusable instruments back into their designated holders in the PureSet™ Tray (refer to the pictograms and color-coded workflow on the plate of the PureSet™ Tray). To avoid potential injury or exposure to contaminated instruments, it is advised to handle the instruments using a pair of tweezers.
2. Discard single-use instruments and worn reusable instruments immediately after use.
3. Remove excess soil and debris from reusable devices to be reprocessed using absorbent paper wipes. Use a dental probe to remove soil and debris from cavities, where applicable.

Caution Excess soil and debris should be removed from reusable devices within 1 hour of use to ensure the efficacy of the cleaning and sterilization procedures.

4. Rinse the devices with cold running tap water.

Containment and Transportation/ Shipping to Reprocessing Area

1. After removal of excess soil and debris, store the PureSet™ Tray and instruments in a suitable container to avoid any contamination of personnel or the environment.
2. Transport the PureSet™ Tray and instruments to the reprocessing area as soon as practical. If transfer to the processing area is likely to be delayed, consider covering the PureSet™ Tray and instruments with a damp cloth or store it in a closed container to avoid drying of soil and/or debris.

Caution Reusable devices should be reprocessed by initiating the prescribed automated or manual cleaning and drying procedures within 1 hour of use, to ensure the efficacy of the reprocessing.

3. If the devices are shipped to an outside facility for reprocessing, they must be contained in a transportation or shipping container which is suitable to protect the devices during transportation and to prevent contamination of personnel or the environment.

Disassembly of Multi-piece Instruments Prior to Cleaning

Note The Manual Torque Wrench Surgical must be disassembled prior to cleaning by removing the adapter and the rod from the wrench body as shown in **Figure A**.

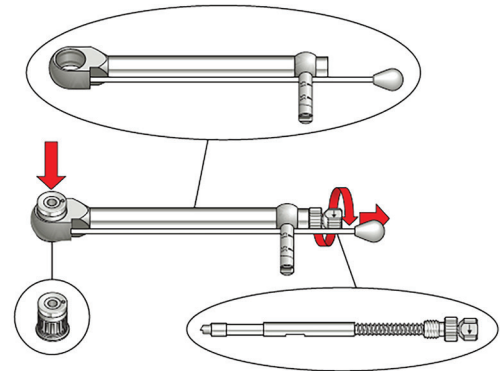


Figure A – Disassembly of the Manual Torque Wrench Surgical

Note Implant Mounts must be disassembled prior to cleaning as follows:

Unscrew the Implant Mount Screw (2) from the Implant Mount Body (1), see Figure B.

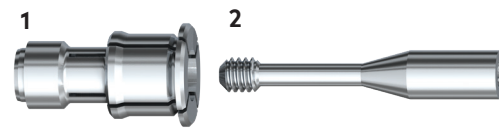


Figure B – Disassembly of the Implant Mount

Note Template abutments must be disassembled prior to cleaning as follows:

Unscrew the Template Abutment Screw (2) from the Template Abutment Body (1), see Figure C.

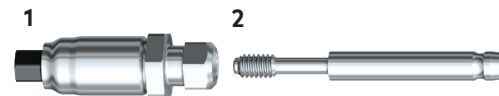


Figure C – Disassembly of the Guided Template Abutment

Automated Cleaning and Drying (Including Pre-cleaning)

Pre-cleaning

1. Remove all instruments from the PureSet™ Tray.
2. Remove the plate from the PureSet™ Tray.
3. Disassemble the multi-piece instruments as described above, where applicable.
4. Thoroughly rinse all instruments, including any lumina and/or difficult-to-reach areas with lukewarm tap water using a water pistol.
5. Place all instruments back into the designated holders in the PureSet™ Tray. Use the PureSet™ Plate as a reference to ensure the instruments are placed in the correct position. Keep the multi-piece instruments disassembled.
6. Place the PureSet™ Tray with instruments in an ultrasonic bath (e.g. Bandelin Sonorex 35 kHz, 300 W) containing 0.5% solution of mildly alkaline detergent (e.g. Neodisher Mediclean) and treat for minimum of 10 minutes at minimum 40°C (104°F).

Caution Do not place the PureSet™ Plate into the ultrasonic bath as this can damage the plate and impact the legibility of the text and pictograms.

Automated Cleaning and Drying

The following washers were used in the Nobel Biocare validations: Steelco DS 500 and Miele G7836 CD.

1. Place the PureSet™ Tray containing the instruments and the plate into the washer separately. Ensure the PureSet Tray and plate are oriented in a vertical position.

Caution Remove the PureSet™ Plate from the PureSet™ Tray prior to automatic cleaning to ensure the tray and instruments are adequately cleaned.

2. Perform automatic cleaning. The following parameters were used in the Nobel Biocare validation:
 - Minimum of 2 minutes pre-washing with cold tap water at a minimum 14°C (57°F)
 - Minimum of 5 minutes washing with tap water with a 0.5% solution of mildly alkaline detergent (e.g. [Neodisher Mediclean]) at 55°C (131°F)
 - Minimum of 3 minutes rinsing with cold demineralized water at minimum 18°C (64°F)

Caution The use of a cleaning solution with acidic pH (pH < 7) could potentially damage the PureSet™ Plate.

3. Dry the PureSet™ Tray containing the instruments and the PureSet™ Plate at minimum 70°C (158°F) for a minimum of 10 minutes.

Manual Cleaning and Drying

PureSet Tray and Plate

1. Remove all the instruments from the PureSet™ Tray.
2. Remove the plate from the PureSet™ Tray.
3. Scrub the PureSet™ Tray under running tap water with a soft bristled nylon brush for a minimum of 3 minutes until all visible soil is removed.
4. Immerse a soft bristled nylon brush in a 0.5% solution of mildly alkaline detergent (e.g. Neodisher Mediclean) at minimum 40°C (104°F). Scrub the PureSet™ Plate with the soft bristled nylon brush for a minimum of 1 minute until all visible soil is removed. Ensure the entire surface of the plate is thoroughly scrubbed.

Caution The use of a cleaning solution with acidic pH (pH < 7) could potentially damage the PureSet™ Plate.

5. Thoroughly rinse the PureSet™ Plate for a minimum of 1 minute under running tap water to remove all detergent.
6. Flush the grommets (instrument holders) with tap water using a water pistol for a minimum of 30 seconds.
7. Place the PureSet™ Tray (without the plate) into an ultrasonic bath (e.g. frequency 37 kHz effective ultrasonic power 400 W) for a minimum of 10 minutes with a 0.6% solution of mildly alkaline detergent (e.g. Neodisher Mediclean) at minimum 40°C (104°F).
8. Rinse the PureSet™ Tray for a minimum of 1 minute under cold running tap water to remove all cleaning solution.
9. Dry the PureSet™ Tray and the plate with suitable equipment (compressed air).

PureSet Instrumentation

1. Disassemble the multi-piece instruments prior to cleaning as described above.

2. Immerse device for a minimum of 5 minutes in a sterile 0.9% NaCl solution.
3. Scrub the outer surfaces of the device with soft-bristled nylon brush for a minimum of 30 seconds until all visible soil is removed.
4. Flush the inner surfaces, lumina and cavities (where applicable) with 20 ml lukewarm enzymatic cleaning solution (e.g. Cidezyme ASP; Neodisher Medizym; maximum 45°(113°F)) using an irrigation needle connected to a 20 ml syringe.
5. Brush the inner surfaces, lumina and cavities (where applicable) with appropriately sized bottle brush (e.g. 1.2 mm / 2.0 mm / 5.0 mm diameter) for a minimum of 30 seconds until all visible soil is removed.
6. Thoroughly rinse the outer surfaces and lumina of the device with cold running tap water for a minimum of 30 seconds to remove all cleaning solution.
7. Immerse the device in an ultrasonic bath (e.g. Bandelin frequency 35 kHz, effective ultrasonic power 300 W) containing 0.5% lukewarm enzymatic cleaning agent (e.g. Cidezyme ASP; Neodisher Medizym) and treat for a minimum of 5 minutes at minimum 40°C (104°F)/maximum 45° (113°F).
8. Flush the inner surfaces, lumina and cavities (where applicable) with 20ml lukewarm tap water using an irrigation needle connected to a 20ml syringe.
9. Flush the inner surfaces, lumina and cavities of Manual Torque Wrenches for a minimum of 15 seconds using a water jet pistol.
10. Thoroughly rinse the outer surfaces of the device with purified or sterile water for a minimum of 30 seconds to remove all cleaning agent.
11. Dry with compressed air or clean with lint – free single use wipes.

Reassembly of the PureSet™ Tray, Plate, and Instrumentation

Reassemble the PureSet™ Tray and plate and replace the instruments (including multi-piece instruments) in their designated holders in the PureSet™ Tray (refer to the pictograms and color-coded workflow on the plate of the PureSet™ Tray). To avoid potential injury, it is advised to handle the instruments using a pair of tweezers.

Caution Ensure that the plate is properly seated on the PureSet™ Tray to prevent damage to the plate or to instruments during subsequent handling.

Caution Keep dissimilar metals separated to prevent corrosion during sterilization. Refer to the Materials section in the Nobel Biocare IFU for the respective surgical/prosthetic tooling for information regarding the metals contained in the device.

Visual Inspection

After cleaning, drying, and reassembly of the PureSet™ Tray, plate, and instrumentation, inspect all components to confirm the functional integrity, to confirm the legibility of any text (where applicable) and to ensure there is no residual soil, corrosion or damage. Any devices with signs of corrosion or damage must be discarded and replaced. The PureSet™ Plate is available as a spare part and should be replaced if the plate is discolored or if the legibility of the pictograms or the text is compromised.

Sterilization

- Pack the assembled PureSet™ Tray (with instruments and plate) in a metal sterilization container, sterilization pouch or sterilization single wrap. The metal sterilization container, sterilization pouch or sterilization single wrap should fulfill the following requirements:
 - EN ISO 11607, ST 77 and/or DIN 58953-7
 - Suitable for steam sterilization (temperature resistance up to at least 137°C (279°F), sufficient steam permeability)
 - Sufficient protection of the instruments as well as of the sterilization packaging to mechanical damage

Table 1 presents examples of suitable sterilization containers, pouches, and wraps.

Container/Pouch/Wrap	Description
Sterilization Container	Aesculap® Sterilization Container (Part # JK289)
Sterilization Pouch	Cardinal Health 18"x22" Pouch (Part # 91822)
Sterilization Wrap	Cardinal Health Convertor Brand Bioshield Regular Sterilization Wrap (Part # 4040)

Table 1 – Recommended Sterilization Containers, Pouches, and Wraps for PureSet

Note The PureSet™ Tray is not intended on its own to maintain sterility; it is intended to be used in conjunction with a legally marketed, validated sterilization container, sterilization pouch or sterilization wrap in order to maintain sterility of the enclosed medical instruments until used.

- Label the metal sterilization container, sterilization pouch or sterilization wrap with necessary information such as expiration date, lot (if applicable), sterility information, product name with article number.
- Ensure the PureSet™ Tray is sealed in the sterilization container/ pouch/wrap and place into the autoclave/sterilizer. The PureSet Tray must be sterilized in its "ready for use" state.
- Sterilize the devices. Both the gravity displacement cycle and pre-vacuum (top dynamic air removal) cycle can be applied, using the following recommended parameters (Table 2):

Cycle	Minimum Temperature	Minimum Sterilization Time	Minimum Drying Time (In Chamber)	Minimum Pressure
Gravity Cycle ¹	132°C (270°F)	15 minutes	[20 minutes]	≥ 2868.2 mbar ⁴
Pre-Vacuum Cycle ¹	132°C (270°F)	4 minutes		
Gravity Cycle ¹	134°C (273°F)	10 minutes		≥ 3042 mbar ⁵
Pre-Vacuum Cycle ²	134°C (273°F)	3 minutes		
Pre-Vacuum Cycle ³	134°C (273°F)	18 minutes		

Table 2 – Recommended Sterilization Cycles

- Validated sterilization processes to achieve a Sterility Assurance Level (SAL) of 10⁻⁶ in accordance to EN ISO 17665-1.
- Recommendation of the Welsh Health Technical Memorandum (WHTM) 01-01 Part C.
- Recommendation of the World Health Organization (WHO) for steam sterilization of instruments with potential TSE/CJD contamination. Ensure that the packaging and monitoring systems (chemical / biological indicators) used for this cycle are validated for these conditions.
- Saturated steam pressure at 132°C as per required by EN ISO 17665-2.
- Saturated steam pressure at 134°C as per required by EN ISO 17665-2.

Caution Do not use gravity sterilization if the PureSet™ Tray is sealed in a metal sterilization container.

- After sterilization of the PureSet™ Tray, inspect the sterilization container, pouch, or wrap to confirm its integrity.

Note At the Point of Use, carefully remove the PureSet™ Tray from the sterilization container, pouch or wrap. If using a metal sterilization container, avoid hitting the PureSet Tray against the inside of container to avoid unintended opening of the lid.

Note Autoclave/sterilizer design and performance can affect the efficacy of the sterilization process. Healthcare facilities should therefore validate the processes that they use, employing the actual equipment and operators that routinely process the devices. All autoclaves/sterilizers should comply with the requirements of, and be validated, maintained and checked in accordance with EN 13060, EN 285, EN ISO 17665-1, and/or AAMI ST79, or to the applicable national standard. The autoclave/sterilizer manufacturer's instructions for use must be strictly followed.

Storage and Maintenance

After sterilization, place the sealed PureSet™ Tray in a dry and dark place such as a closed cupboard or drawer. Follow the instructions provided by the manufacturer of the sterilization containers, sterilization pouches, or sterilization wraps regarding the storage conditions and expiration date of the sterilized goods.

Caution Keep dissimilar metals separated during sterilization to prevent corrosion.

Containment and Transportation/ Shipping to Point of Use

The container and/or outer packaging used to transport or ship the reprocessed device back to the point of use must be suitable to protect and safeguard the sterility of the devices during transportation, taking the device packaging and the required transportation or shipping process (intrafacility transportation or shipping to an external site) into account.

Facilities and Training

It is strongly recommended that new and experienced users of Nobel Biocare products always go through special training before using a new product for the first time. Nobel Biocare offers a wide range of courses for various levels of knowledge and experience. For more information, please visit www.nobelbiocare.com.

Storage, Handling and Transportation

The device must be stored and transported in dry conditions in the original packaging at room temperature and not exposed to direct sunlight. Incorrect storage and transportation may influence device characteristics leading to failure.

Disposal

Safely discard potentially contaminated or no longer usable medical devices as healthcare (clinical) waste in accordance with local healthcare guidelines, country and government legislation or policy.

Separation, re-cycling or disposal of packaging material shall follow local country and government legislation on packaging and packaging waste, where applicable.

Manufacturer and Distributor Information

Manufacturer



Nobel Biocare AB
PO-Box 5190, 402 26
Västra Hamngatan 1
Göteborg
411 17
Sweden
www.nobelbiocare.com

UKCA Mark for Class I Devices



UKCA Mark for Class [Im/Is/Ila/Ilb] Devices



Note Regarding Canadian Device Licensure, not all products described in the IFU may have a device licence according to Canadian Law.

Note Refer to the product label to determine the applicable conformity marking for each device.

Basic UDI-DI Information

Product	Basic UDI-DI Number
Trefoil™ PureSet Tray	07332747149968
NobelActive®/NobelParallel™ CC PureSet Tray	07332747149975
NobelReplace® CC PureSet Tray	07332747149982
Nobel Biocare N1™ PureSet Tray	07332747167184
Prosthetic PureSet Tray	07332747167153
NobelActive® Guided PureSet Tray	07332747169034
NobelParallel™ CC Guided PureSet Tray	07332747169041
NobelReplace® CC Guided PureSet Tray	07332747169058
NobelSpeedy / Brånemark System / Replace Select TC PureSet™ Tray	07332747178913
NobelZygoma™ PureSet™ Tray	07332747198188

Legal Statements

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Symbols Glossary

The following symbols may be present on the device labeling or in information accompanying the device. Refer to the device labeling or accompanying information for the applicable symbols.



Authorized Representative in the European Community / European Union



UK Responsible Person



Authorised Representative in Switzerland



Sterilized using Ethylene Oxide



Sterilized using irradiation



Sterilized using steam or dry heat



Batch code



Catalogue number



Unique Device Identifier



Serial number



Medical device



Magnetic resonance safe



Caution



Magnetic resonance conditional



Non-sterile



Contains hazardous substances



Contains or presence of DEHP phthalate



Contains or presence of natural rubber latex



Contains or presence of phthalate



Contains biological material of animal origin



CE mark



CE mark with Notified Body number



UKCA mark



UKCA mark with Approved Body number



Consult instructions for use



For prescription use only



[symbol.glossary.nobelbiocare.com ifu.nobelbiocare.com](https://symbol.glossary.nobelbiocare.com/ifu.nobelbiocare.com)

Link to Online Symbols Glossary and IFU Portal



Date of manufacture



Manufacturer



Use-by date



Upper limit of temperature



Temperature limit



Do not resterilize



Do not re-use



Non-pyrogenic



Date



Tooth number



Patient number



Patient identification



Health care centre or doctor



Patient information website



EU Importer



Swiss Importer



Double sterile barrier system



Single sterile barrier system



Single sterile barrier system with protective packaging inside



Single sterile barrier system with protective packaging outside



Do not use if package is damaged and consult instructions for use



Keep away from sunlight



Keep dry