

Your **Power** for Health

  
greiner bio-one



# VACUETTE<sup>®</sup> Transport Line

Send Samples Safe

# VACUETTE® Transport Line

With the increase in collaborations in the laboratory sector, as well as the rising trend in healthcare towards centralisation, transport of specimen material over longer distances is more and more a necessity.

The **VACUETTE®** Transport Line products allow for the secure transport of **Biological Substance (UN 3373) Category B** - from collection of the specimen right up to analysis in the laboratory. Each individual component of the transport line, consisting of primary vessel, secondary packaging and outer packaging (third packaging), corresponds to ADR/RID (packaging instructions P650), IATA-DG, ICAO-TI and IMDG-Code. The Transport Systems have been tested by an independent accredited institution.



Test Report  
**Note:** The test reports can be downloaded from [www.gbo.com/preanalytics](http://www.gbo.com/preanalytics)

## Flexible product solutions for all requirements.

There are three different sized transport containers in the product program.



### VACUETTE® Transport Box (VTB)\*

- Robust polypropylene box, for transport of up to 40 tubes
- With practical snap closure
- Leak-proof, due to absorbent pad and sealing ring
- Foam insert suitable for tube diameters of 9-16 mm
- Stackable
- Separate slot for requisition forms and cooler pack



### GBO Rack for Blood Collection Tubes

- For loading blood collection tubes with outer diameter 11 mm - 17 mm in position
- Can be slotted exactly into the position tracks in the **VACUETTE®** Transport Box (VTB)
- Autoclavable
- Can be washed with standard cleaning and disinfecting solutions
- Can also be used for archiving samples



### VACUETTE® Transport Container (VTC)\*

- Handy sized polypropylene container
- For transport of up to 12 tubes
- With screw cap and absorbent pad
- Foam insert suitable for tube diameters of 9-16 mm



### VACUETTE® Transport Tube (VTT)

- Transport packaging made out of polyethylene
- For transport of one tube
- With screw cap and absorbent pad
- VTT serves as secondary packaging. For third packaging, Greiner Bio-One recommends using a standard commercially available bubble envelope.
- Suitable for tube diameters of 9-17 mm, 100 mm in length

In addition to plastic transport containers, Greiner Bio-One can also offer bags for transport of samples with cooling function. The isothermal carrier bags are suitable for convenient transport of one or more transport systems.



### Isothermal Carrier Bags

- Isolating material for cooled sample transportation
- Available in four sizes
- Complies with packaging instruction P650 (ADR/RID, IATA-DG, ICAO-TI and IMDG-Code)
- As third packaging (outer packaging) in place of transport carton
- Round, dark blue bag for 1 VTC
- Rectangular, dark blue bag for 1 VTB
- Rectangular, dark blue bag for 3 VTB
- Rectangular, dark blue bag for 4 VTB
- Able to keep temperature below 8 °C for several hours (with proper cooler packs)



### Cooler Pack and Cooler Pad

- Cooler Pack ideal for inserting in the **VACUETTE®** Transport Box (VTB) and Isotherm Transport Bags
- Cooler Pad (round) ideal for inserting in the **VACUETTE®** Transport Container (VTC)
- Extra flat - rechargeable in refrigerator
- Special cooling material - keep specimens cool
- Cooler Pack conform to DIN 18864



### Transport Cartons

- Specially reinforced transport carton suitable for **VACUETTE®** Transport Box (VTB)
- Specially reinforced transport carton suitable for **VACUETTE®** Transport Container (VTC)

\* Please note, that the **VACUETTE®** Transport Box (VTB) and **VACUETTE®** Transport Container (VTC) only fulfil ADR/RID, IATA-DG, ICAO-TI and IMDG-Code regulations if used with the appropriate transport carton or carrier bag, and that Greiner Bio-One does not take the responsibility for inappropriate transport.

The regulations are applicable for public transport by road, rail, air and/or ship. For transport within the facility grounds it is not required to use an approved outer packaging.

# ThermoScan - Temperature Monitoring Unit

The Greiner Bio-One ThermoScan Temperature Monitoring Unit allows the users to monitor and record the temperature. It can be used in hospitals, labs, dispensaries, pharmacies, courier or delivery services, etc.; wherever the temperature needs to be monitored and recorded by a monitoring device.



### Functions:

- ☞ Temperature range: from -40 °C bis +85 °C
- ☞ Accuracy of +/- 1 °C
- ☞ Programmable low and high alarm thresholds for delayed measurement start
- ☞ Records date and time
- ☞ Battery life up to 7 years
- ☞ Temperature given in 0.5 °C intervals
- ☞ Number of measurements: 2048
- ☞ Sample cycle: 1 to 255 min
- ☞ Easy-to-use
- ☞ Space-saving design
- ☞ Calibration certificate provides assurance on the reliability of the temperature recording

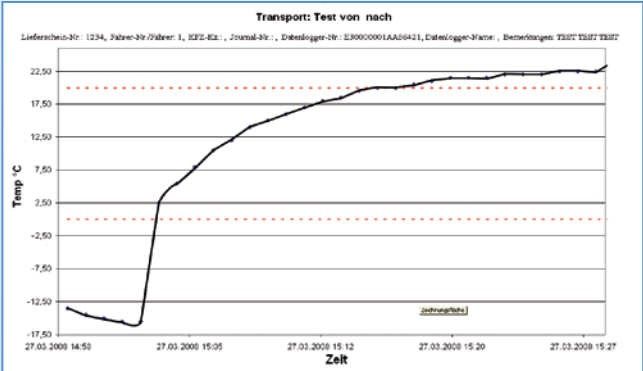


### Consists of:

- ☞ 1 x Software/Driver
- ☞ 2 x Temperature loggers (sensor) (loggers also available individually)
- ☞ 1 x BlueDot Reader unit with USB port
- ☞ 2 x Clips for loggers (individually available)

## Temperature Logger (Sensor) - available as Set "ThermoScan" or individually

The temperature logger measures just 17 mm in diameter and is 6 mm thick. It is a sensor that records and documents the temperature over a time period. This data can be called up for easy processing in a Microsoft® Excel file. The temperature loggers can be used to track all thermally vulnerable products to monitor correct observation of the cold chain. It can be attached (e.g. by adhesive tape) unobtrusively to almost any containers' surface, e.g. transport boxes, bottles, boxes, pallet containers, refrigerators etc. The stainless steel casing withstands dirt and moisture.



### The following components are built into the logger:

- ☞ Thermometer
- ☞ Transmitter/receiver
- ☞ Globally unique serial number
- ☞ Clock/calendar
- ☞ Thermal history log
- ☞ 512 bytes additional memory for user info (Option to use additional memory for programming traceability and product identification data (control, sample number, location, product ID, customer, etc.).)



### Item No. Description

#### VACUETTE® Transport Box (VTB)

472001 **VACUETTE®** Transport Box (VTB) incl. Foam Insert for 40 Tubes, with Transport Carton HK0190

472040 **VACUETTE®** Transport Box (VTB) incl. Foam Insert for 40 Tubes, without Transport Carton

472010 Foam Insert grey for **VACUETTE®** Transport Box (VTB) for 40 Tubes

HK0190 Transport Carton for one **VACUETTE®** Transport Box (VTB)

472016 Cooler Pack for **VACUETTE®** Transport Box (VTB)

472011 GBO Rack for Blood Collection Tubes

#### VACUETTE® Transport Container (VTC)

800105 **VACUETTE®** Transport Container (VTC) incl. Foam Insert for 12 Tubes, with Transport Carton HK0259

800110 **VACUETTE®** Transport Container (VTC) incl. Foam Insert for 12 Tubes, without Transport Carton

800101 Foam Insert for **VACUETTE®** Transport Container (VTC) for 12 Tubes

HK0259 Transport Carton for one **VACUETTE®** Transport Container (VTC)

472017 Cooler Pad for **VACUETTE®** Transport Container (VTC)

#### VACUETTE® Transport Tube (VTT)

228270 **VACUETTE®** Transport Tube (VTT) for one Tube (not assembled with cap)

228271 **VACUETTE®** Transport Tube (VTT) for one Tube incl. Absorbent Pad (not assembled with cap)

#### VACUETTE® Transport Line Accessories

472020 Carrier Bag (Isothermal), dark blue, for one pc. **VACUETTE®** Transport Box (VTB)

472022 Carrier Bag (Isothermal), dark blue, round, for one pc. **VACUETTE®** Transport Container (VTC)

472023 Carrier Bag (Isothermal), dark blue, for up to three **VACUETTE®** Transport Boxes (VTB)

472024 Carrier Bag (Isothermal), dark blue, for up to four **VACUETTE®** Transport Boxes (VTB)

HE4723 Shipping Label "UN 3373" Biological Substance, Cat. B

472015 Absorbent Pad for **VACUETTE®** Transport Box (VTB) and **VACUETTE®** Transport Container (VTC)

209070 Absorbent Pad for **VACUETTE®** Transport Tube (VTT)

472200 ThermoScan Temperature Monitoring Unit without Calibration Certificate

472201 ThermoScan Temperature Monitoring Unit with Calibration Certificate

472202 Temperature Logger for ThermoScan without Calibration Certificate

472203 Temperature Logger for ThermoScan with Calibration Certificate

472204 Clips for Temperature Logger



For further information, please visit our website [www.gbo.com/preanalytics](http://www.gbo.com/preanalytics) or contact us:

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