

## Product List 2019

**Stabilize RNA, DNA and other biological samples at ambient temperature for transport, storage, and day-to-day handling**

### Active Chemical Protection™ for Nucleic Acids

The patented chemical matrix from GenTegra protects nucleic acids while stored and transported at ambient temperatures and provides protection against environmental damage that might destroy DNA and RNA

## GenTegra® RNA

- Quantitative recovery of RNA from ≤ 20 µg
- Quality is comparable with input RNA
- Recovery in volume of 20 – 50 µl
- Even useful for samples containing trace RNase
- Compatible with RNA from cell lines, blood, PAXgene, fresh and frozen tissue, FFPE tissue
- Suitable for RNA purified using all standard kits and protocols (Invitrogen, Ambion, Qiagen, Trizol)
- Applicable with all common storage buffers, including water, TE, EDTA and citrate.
- Increased stability in liquid state for up to 8 hours following rehydration of dried RNA, across up to 5 cycles
- Use in downstream applications without further purification; no inhibition of RT-qPCR and expression profiling
- Stability for transport due to tolerance for extreme temperatures and extreme temperature shifts (-80 °C to +76 °C)
- Replaces the expensive shipment of samples with dry ice or cool packs

Stabilize sample in GenTegra® RNA and dry



Store or transport at ambient temperature



Recover RNA sample by adding water

Cat. No.	Description
GTR100-B	<b>GenTegra® RNA</b> , dry bulk, for 100 samples, can be stored at 4 °C for 2 weeks when rehydrated
GTR3101	<b>GenTegra® RNA</b> , 0.3 ml cluster tube, 1 rack, 96 tubes per rack, no barcode
GTR3110	<b>GenTegra® RNA</b> , 0.3 ml cluster tube, 10 racks, 96 tubes per rack, no barcode
GTR3110-BC	<b>GenTegra® RNA</b> , 0.3 ml cluster tube, 10 racks, 96 tubes per rack, with barcode
GTR5003-S	<b>GenTegra® RNA</b> , 0.5 ml screw cap tube, sample test kit 3-pack, with protocol
GTR5025-S	<b>GenTegra® RNA</b> , 0.5 ml screw cap tube, 25 tubes
GTR5100-S	<b>GenTegra® RNA</b> , 0.5 ml screw cap tube, 100 tubes <u>Please note:</u> Product will be delivered in 4 packs of 25 tubes/pack
GTR4001-P	<b>GenTegra® RNA</b> , 96-well plate, 1 plate, no barcode
GTR4010-PBC	<b>GenTegra® RNA</b> , 96-well plate, 10 plates, with barcode

## GenTegra® DNA

- 100 % recovery of input DNA, recovery in a volume of 0.05 – 25 µg
- Quality is comparable to input DNA
- Compatible with DNA from cell lines, blood, fresh and frozen tissue, FFPE tissue, cDNA, plasmids, single and double stranded
- Suitable for DNA purified using all standard kits and protocols (Invitrogen, Ambion, Qiagen)
- Applicable with all common storage buffers, including water, TE, EDTA and citrate.
- Increased stability in liquid state for up to 8 hours following rehydration of dried DNA, across up to 5 cycles
- Stabilizes DNA for transport and long term storage
- Use in downstream applications without further purification; no inhibition of PCR, qPCR and expression profiling
- Stability for transport due to tolerance for extreme temperatures and extreme temperature shifts (-80 °C to +76 °C)
- Replaces the expensive shipment of samples with dry ice or cool packs

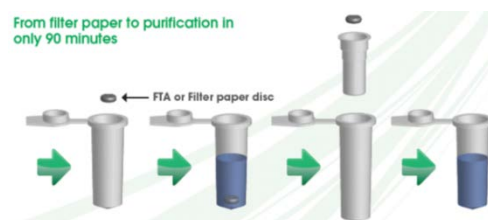
Protocol as  
GenTegra® RNA



Cat. No.	Description
GTD100-B	<b>GenTegra® DNA</b> , dry bulk, for 100 samples, can be stored at 4 °C for 3 months when rehydrated
GTD0001	<b>GenTegra® DNA</b> , 0.3 ml cluster tube, 1 rack, 96 tubes per rack, no barcode
GTD0010	<b>GenTegra® DNA</b> , 0.3 ml cluster tube, 10 racks, 96 tubes per rack, no barcode
GTD1010-BC	<b>GenTegra® DNA</b> , 0.5 ml cluster tube, 10 racks, 96 tubes per rack, with barcode
GTD2003-S	<b>GenTegra® DNA</b> , 0.5 ml screw cap tube, sample test kit 3-pack, with protocol
GTD2025-S	<b>GenTegra® DNA</b> , 0.5 ml screw cap tube, 25 tubes
GTD2100-S	<b>GenTegra® DNA</b> , 0.5 ml screw cap tube, 100 tubes <u>Please note:</u> Product will be delivered in 4 packs of 25 tubes/pack
GTD4001-P	<b>GenTegra® DNA</b> , 96-well plate, 1 plate, no barcode
GTD4010-P	<b>GenTegra® DNA</b> , 96-well plate, 10 plates, no barcode
GTD4010-PBC	<b>GenTegra® DNA</b> , 96-well plate, 10 plates, with barcode

## GenSolve™ & GenSolve™ DNA Complete

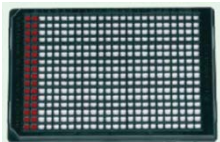
- Regardless of storage time, this kit efficiently extracts double-stranded DNA from treated paper spotted with blood or other biological liquids (GenSaver™ cards, GenPlate®, FTA membranes), and untreated paper (filter papers, GenCollect™ and Guthrie cards).
- Fast recovery (approx. 90 minutes) of DNA with high yields for further purification.
- **GenSolve™ DNA Complete** includes additionally all components for DNA purification (wash solution and elution buffer, several tubes and DNA columns).



Cat. No.	Description
GVR-113	<b>GenSolve™</b> , DNA recovery kit , 100 reactions ( <b>improved</b> )
GVSPIN-200	<b>GenSolve™ Spin Pack</b> , 200 tubes and baskets
GSC-50	<b>GenSolve™ Complete</b> , DNA recovery and purification kit for 50 reactions
GSC-100	<b>GenSolve™ Complete</b> , DNA recovery and purification kit for 100 reactions

# GenPlate®

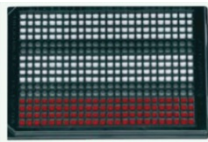
- Risk-free, high density ambient dry state storage and transport of biological samples e.g. blood, genomic DNA, purified plasmid DNA, crude bacterial suspension (clones), or glycerol bacterial stock.
- **384-well microplates with embedded FTA paper:**  
Samples are entwined in the fibrous network of the cellulose matrix of the FTA paper. Entwined sample is dried completely at room temperature, plate is sealed with adhesive cover and afterwards ready for transport or storage at ambient temperature.
- Each embedded FTA disc in the microplate can hold up to 10 µl of a sample or 100 ng DNA.
- Replaces the expensive shipment of samples with dry ice or cool packs.
- Simple recovery of the samples, optionally also with GenSolve™ (see page 2).
- GenPlates® in ANSI/SLAS 1-2004 format are compatible with commercially available liquid handling systems (also available from us, further information on request).
- Each plate has a foil sealed top and bottom and contains a 14-digit barcode which specifies plate type, region configuration, and unique plate number.
- GenPlate® is available in different configurations:



GVNP-20

Completely FTA filled

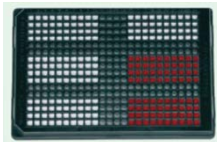
For maximum amount of samples stored



GVN3P-20

3 FTA regions

e.g. for samples of 3 different patients



GVN6P-20

6 FTA regions

e.g. for DNA extracted from buccal swabs



GVN12P-20

12 FTA regions

e.g. for DNA samples extracted from mouthwash collection



GVN24P-20

24 FTA regions

Format particularly suitable for human blood samples

Cat. No.	Description
GVNP-20	GenPlate®, completely filled with FTA paper, for 384 samples, 20 plates
GVN3P-20	GenPlate®, 3 FTA regions, 96 elements per region, 20 plates
GVN6P-20	GenPlate®, 6 FTA regions, 40 elements per region, 20 plates
GVN12P-20	GenPlate®, 12 FTA regions, 16 elements per region, 20 plates
GVN24P-20	GenPlate®, 24 FTA regions, 4 elements per region, 20 plates
GVN24P6-20	GenPlate®, 24 FTA regions, 6 elements per region, 20 plates
GVSL1-20	GenPlate® replacement seals, 20 seals
GVSL1-100	GenPlate® replacement seals, 100 seals

- Price:** Prices in Euro per unit, excluding VAT.
- Freight charges:** Germany: We charge Euro 20.00 for delivery. Large delivery on a palette: please enquire. Below a net order value of € 100.00 an additional charge of € 8.00 will apply. Other countries: Please contact us for further information.
- Payment terms:** 30 days net or against pro forma invoice.

Prices are subject to change without notice. Prices supersede all prices in previous documents. No responsibility is taken for the accuracy of the information.

**NEW**

## Collection Cards for biobanking, paternity tests and forensics Field Sample Collection without Cold Chain

Collection cards are ideal for field sample collection in areas where a cold chain is unavailable or difficult to maintain. GenTegra offers cards for every need, DNA collection, RNA collection or sample collection for analysis of small molecule metabolites.

The GenSaver cards have the same Active Chemical Protection™ that is provided for GenTegra DNA. When collecting dried blood spots (DBS) for ambient temperature transportation or long-term DNA storage, this is the card of choice. It protects the DNA even at elevated temperatures and for oxidative damage while being stored. DBS on GenSaver cards can be used directly for PCR with no cleanup step required. A small punch can be added directly to the PCR mix without inhibition of the PCR reaction. The GenSaver cards also support extraction yields that are 100 % higher than the yields seen when using FTA cards for DBS collection.

### GenCollect™ and GenCollect™ Color Cards

- Cards, made of high purity cellulose (chemical free), provide a rapid and safe way to collect, transport and store biological samples at ambient temperature (max. 1 year).
- Lower contamination risks as potential pathogens are inactivated on the dried matrix.

### GenSaver™ Cards and GenSaver™ Color Cards similar to GenCollect™ cards, but:

- Treated with a new-to-market proprietary chemistry intended for ultra long-term preservation at ambient temperature (blood samples 20 years; saliva, buccal cells, and urine samples 10 years).
- Collection cards with areas for 1, 2 or 4 samples.
- GenSaver™, a white card for blood samples; GenSaver™ Color, a pink card for colorless samples (saliva, buccal cells, urine). Area on which the biological sample is collected turns white.

### GenSaver 2.0™ Cards and GenSaver 2.0™ Color Cards similar to GenSaver™ cards, with

- additional features to prevent the growth of microorganisms during the long-term storage of DNA.

### Applications:

- PCR and quantitative PCR, STR & NGS genotyping, genomics, human and animal identification, plasmid screening.

Cat. No.	Description
GCD4-25	<b>GenCollect 1.0™</b> DNA Card, four printed circles for blood collection, 25 cards
GCD4-100	<b>GenCollect 1.0™</b> DNA Card, four printed circles for blood collection, 100 cards
GSD4-25	<b>GenSaver 1.0™</b> DNA Card, four printed circles for blood collection, 25 cards
GSD4-100	<b>GenSaver 1.0™</b> DNA Card, four printed circles for blood collection, 100 cards
GSD2-25	<b>GenSaver 1.0™</b> DNA Card, two printed circles for blood collection, 25 cards
GSD2-100	<b>GenSaver 1.0™</b> DNA Card, two printed circles for blood collection, 100 cards
GSD1-25	<b>GenSaver 1.0™</b> DNA Card, one printed circle for blood collection, 25 cards
GSD1-100	<b>GenSaver 1.0™</b> DNA Card, one printed circle for blood collection, 100 cards
GS2D4-100	<b>GenSaver 2.0™</b> DNA Card, four printed circles for blood collection, 100 cards
GS2D2-100	<b>GenSaver 2.0™</b> DNA Card, two printed circles for blood collection, 100 cards
GSD4-100C	<b>GenSaver 1.0™</b> DNA Color Card, four circles for clear biological liquids, 100 cards
GSD2-100C	<b>GenSaver 1.0™</b> DNA Color Card, two circles for clear biological liquids, 100 cards
GSD1-100C	<b>GenSaver 1.0™</b> DNA Color Card, one circle for clear biological liquids, 100 cards
GS2D4-100C	<b>GenSaver 2.0™</b> DNA Color Card, four circles for clear biological liquids, 100 cards
GS2D2-100C	<b>GenSaver 2.0™</b> DNA Color Card, two circles for clear biological liquids, 100 cards
GS2D1-100C	<b>GenSaver 2.0™</b> DNA Color Card, one circle for clear biological liquids, 100 cards

### In Testing Phase: Sample Collection Cards for RNA and Small Molecules

GPR4: **GenProtect™** RNA Card, four printed circles for blood collection

**Additional information and prices on request**