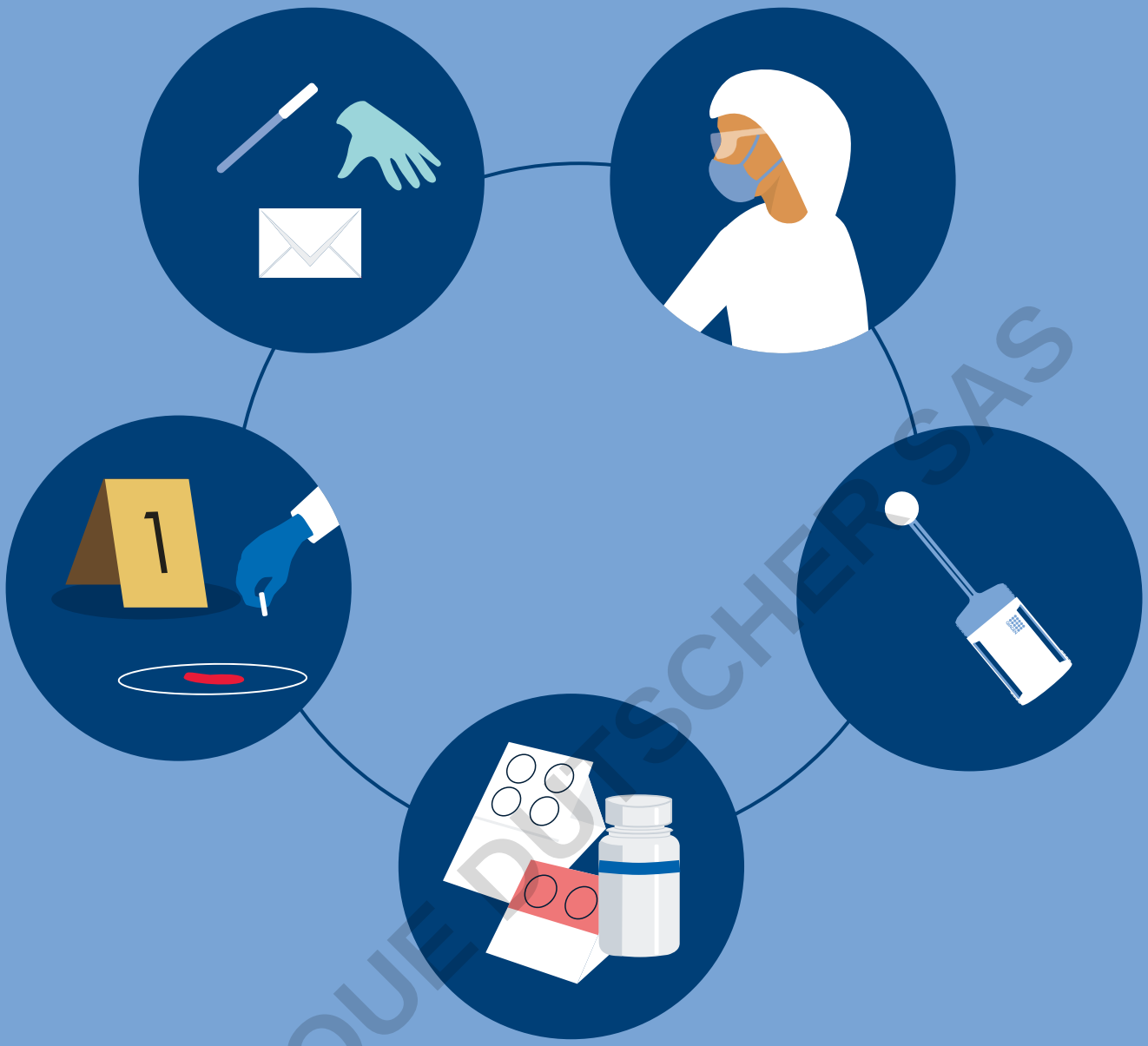


DOMINIQUE DUTSCHER SAS

QIAGEN

Comprehensive Sample Collection portfolio

Sample to Insight

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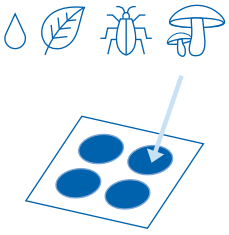
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Dried samples for simple and affordable DNA collection

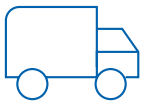
QIAcard and EasiCollect sample collection kits

Dried samples offer excellent solutions and allow for long-term stabilization at room temperature. You can collect, transport, store and analyze your samples with relative ease. This simplifies handling and reduces cost.



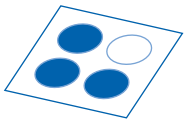
Simply apply the sample

Collect a broad range or samples with familiar tools like lancets and swabs. To apply your sample, simply spot it onto the surface of the collection card and dry briefly. For easy indication and visualization of a successful sample application, we offer a range of color-indicating collection cards that undergo a prominent color change on successful application of clear samples.



Transport it anywhere

The advantages of dry samples are that they can be shipped quickly at room temperature at affordable costs. Normally, you can even use regular postal services for shipping dry samples. We offer pouches and desiccants for ease of transportation of your dry samples.



Punch and purify

In order to purify the sample, punch the sample area of the paper with an appropriate tool and remove the cutout piece of paper containing your sample. Use the simple extraction protocol to purify the sample for downstream analysis. We offer a range of punching solutions for a wide range of throughput requirements.



Smart storage

The storage technology that underpins our sample collection kits allows you to store your purified samples at room temperature for decades. This enables subsequent reuse without the adverse effects of freeze-thawing cycles.

QIAcard FTA technology has been subjected to extensive, real time, long-term stability testing.

The FTA matrix in QIAcard FTA formats lyses cells on contact. DNA is captured and protected from environmental and enzymatic damage by a proprietary chemical compound impregnated on the card. Studies show that DNA remains intact on FTA cards at ambient temperatures. The most recent testing of archived FTA samples includes a buccal sample that was 12 years old and a blood sample that was 22 years old. DNA from these samples generated STR data with good signal strength in both direct and standard STR amplifications.

When dried blood samples are stored correctly, FTA cards are an efficient method for long-term storage of samples for at least 20 years.



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Long term sample preservation on FTA cards

QIAcard FTA Formats (Non-Indicating)

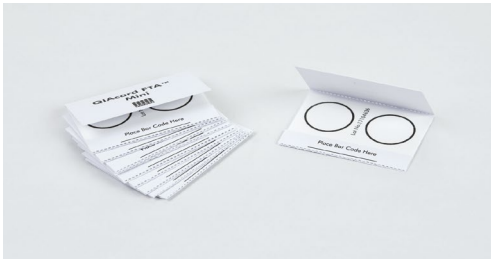
Non-Indicating QIAcard FTA formats stabilize, process, transport, and archive colored samples such as blood. FTA technology enables cell lysis on contact, denatures proteins and immediately stabilizes and protects nucleic acids.

Specifications

Product name	QIAcard FTA Classic
Cat. no. (Pack size)	WB120305 (25 Cards) / WB120205 (100 Cards
Sample material	Tissue/Cells, Colored biofluids, DNA/RNA
Spot areas/Max. Sample volume	4 Spots / 125 µl
Indicating dye	No
Long-term storage at RT	Yes
Recommended processing	Manual/Semi-automated punching



Product name	QIAcard FTA Mini
Cat. no. (Pack size)	WB120355 (25 Cards) / WB120055 (100 Cards)
Sample material	Tissue/Cells, Colored biofluids, DNA/RNA
Spot areas/Max. Sample volume	2 Spots / 125 µl
Indicating dye	No
Long-term storage at RT	Yes
Recommended processing	Manual/Semi-automated punching



Product name	QIAcard FTA Micro
Cat. no. (Pack size)	WB120310 (25 Cards) / WB120210 (100 Cards)
Sample material	Tissue/Cells, Colored biofluids, DNA/RNA
Spot areas/Max. Sample volume	1 Spot / 125 µl
Indicating dye	No
Long-term storage at RT	Yes
Recommended processing	Manual/Semi-automated punching



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Applications

Direct PCR, STR analysis[1], DNA methylation studies[2], Pyrosequencing®[2], real-time quantitative polymerase chain reaction (RT-qPCR)[3], electrophoresis[4]

References

1. Green *et al.*, 2019 "The use of FTA cards to acquire DNA profiles from postmortem cases"
2. Serra *et al.*, 2018 "Use of FTA classic cards for epigenetic analysis of sperm DNA"
3. Kirgiz and Calloway 2017 "Increased recovery of touch DNA evidence using FTA paper compared to conventional collection methods"
4. Boué *et al.*, 2017 "Use of FTA card methodology for sampling and molecular characterization of Echinococcus granulosus sensu lato in Africa"

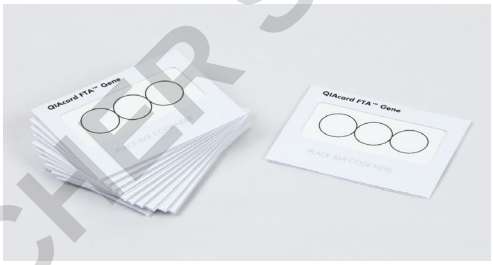
Automation of workflow and analysis

QIAcard FTA Gene

Advances in sequencing, genetics and molecular biology have created a demand for high quality nucleic acids. Fortunately, QIAGEN offer the framed QIAcard FTA Gene format. Due to the sturdy frame the card is automation friendly and offers a long-term storage solution for virtually any type of biological sample.

Specifications

Product name	QIAcard FTA Gene
Cat. no. (Pack size)	WB120208 (100 Cards)
Sample material	Colored biofluids
Spot areas/Max. Sample volume	3 Spots / 75 µl
Indicating dye	No
Long-term storage at RT	Yes
Recommended processing	Automated punching (framed card)



QIAcard FTA Gene is a framed card with 3 sample areas: 75 µl maximum volume per sample area; 225 µl maximum total volume per card. These cards are enclosed in a rigid card frame enabling the use of automatic dispensing/pipetting and punching systems. Capture nucleic acid in one easy step ready for downstream applications in less than 30 minutes. DNA collected on FTA Cards is stable for years at room temperature removing the need for laboratory freezers.

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Applications

Direct PCR, real-time polymerase chain reaction (RT-PCR)[1], whole gene amplification[2], STR analysis[2], loop-mediated isothermal amplification (LAMP)[3]

References

1. Spritzer *et al.*, 2019 "Prevalence and characteristics of polycystic ovary syndrome in Brazilian women: protocol for a nation-wide case-control study"
2. Rahikainen *et al.*, 2016 "DNA quality and quantity from up to 16 years old post-mortem blood stored on FTA cards"
3. Wang v, 2012 "Mitogen-activated protein kinase 5, a novel molecular marker for the identification and detection of Trypanozoon species"

Convenient analyzing of biomolecules and metabolites

QIAcard Bloodstain

Unlike the QIAcard FTA matrix, the QIAcard Bloodstain contains non-FTA absorbent filter paper for the collection and transport of blood and body fluids. Intended for short-term handling of specimens and for protein or metabolite studies, the card features a protective cover that aids sample drying and protects samples from direct contact.

The labeled card is recommended to be placed in a Multi Barrier Pouch (cat.no. WB100037) with an Indicating Desiccant Pack (WB100003) to help ensure the bloodstain remains dry during storage.

Specifications

Product name	QIAcard Bloodstain
Cat. no. (Pack size)	WB100014 (100 Cards)
Sample material	Colored biofluids
Spot areas/Max. Sample volume	4 Spots / 125 µl
Indicating dye	Yes
Long-term storage at RT	No
Recommended processing	Manual/Semi-automated punching



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Applications

Direct PCR, high-performance liquid chromatography1, DNA methylation analysis[2], multiple parallel sequencing[3]

References

1. Gavin *et al.*, 2020 "Diagnosis of late-infantile neuronal ceroid lipofuscinosis using dried blood spot-based assay for TPPI enzyme activity: TPPI diagnostic assay from DBS"
2. Peng *et al.*, 2019 "Validation of methylation-based forensic age estimation in time-series bloodstains on FTA cards and gauze at room temperature conditions"
3. Yao *et al.*, 2018 "Concordance of mitochondrial DNA sequencing methods on bloodstains using Ion PGM™"

More than plants

QIAcard FTA Plant Saver

The QIAcard FTA PlantSaver enables safe storage and analysis of precious samples to provide, strain information by DNA identification, e.g., Cannabis, or detecting genetically modified organisms (GMOs). A laminated flap is included to allow vigorous crushing of plant or insect samples into the FTA matrix without damaging the FTA card.

Specifications

Product name	QIAcard FTA PlantSaver
Cat. no. (Pack size)	WB120065 (100 Cards)
Sample material	Plant, Insect, Fungi
Spot areas/Max. Sample volume	4 Spots / 125 µl homogenate
Indicating dye	No
Long-term storage at RT	Yes
Recommended processing	Manual/Semi-automated punching



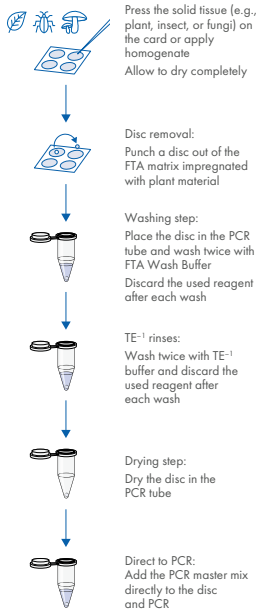
Detection of plant- or insect-transmitted pathogens with less biohazard risks due to e.g., virus or bacteria inactivation

Nucleic acid extraction methods require fewer hazardous chemicals (no phenol/chloroform or CTAB)

FTA technology enables safe storage and analysis of precious samples for detecting GMOs or to provide DNA identification information to law enforcement e.g., *Cannabis* strains.

Suitable for downstream procedures including end-point PCR, STR analysis and next-generation sequencing studies

FTA Plant Protocol Overview



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Applications

Polymerase chain reaction (PCR)[1], Illumina® sequencing[1], loop-mediated isothermal amplification (LAMP)[2], reverse transcription-polymerase chain reaction (RT-PCR)[3]

References

1. Mukuma *et al.*, 2020 "Use of culture and molecular methods for identification and characterization of dry bean fungal root rot pathogens in Zambia"
2. Pusz-Bochenska *et al.*, 2020 "A Rapid, Simple, Laboratory and Field-Adaptable DNA Extraction and Diagnostic Method Suitable for Insect-Transmitted Plant Pathogen and Insect Identification"
3. Kappagantu *et al.*, 2017 "A rapid isothermal assay for the detection of Hop stunt viroid in hop plants (Humulus lupulus), and its application in disease surveys"

Convenient sample storage on indicating FTA cards

QIAcard FTA Indicating Formats

QIAcard FTA Indicating formats include a pink dye that turns white when a colorless sample, e.g., buccal cells or saliva, is applied. FTA technology enables cell lysis on contact, denatures proteins and immediately stabilizes and protects nucleic acids.

Specifications

Product name	QIAcard FTA Indicating Classic
Cat. no. (Pack size)	WB120306 (25 Cards) / WB120206 (100 Cards)
Sample material	Tissue/Cells, Clear biofluids, DNA/RNA
Spot areas/Max. Sample volume	4 Spots / 125 µl
Indicating dye	Yes
Long-term storage at RT	Yes
Recommended processing	Manual/Semi-automated punching



Product name	QIAcard FTA Indicating Mini
Cat. no. (Pack size)	WB120356 (25 Cards) / WB120056 (100 Cards)
Sample material	Tissue/Cells, Clear biofluids, DNA/RNA
Spot areas/Max. Sample volume	2 Spots / 125 µl
Indicating dye	Yes
Long-term storage at RT	Yes
Recommended processing	Manual/Semi-automated punching



Product name	QIAcard FTA Indicating Micro
Cat. no. (Pack size)	WB120311 (25 Cards) / WB120211 (100 Cards)
Sample material	Tissue/Cells, Clear biofluids, DNA/RNA
Spot areas/Max. Sample volume	1 Spot / 125 µl
Indicating dye	Yes
Long-term storage at RT	Yes
Recommended processing	Manual/Semi-automated punching



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Applications

Direct PCR, STR analysis[1], DNA methylation studies[2], Pyrosequencing[2], real-time quantitative polymerase chain reaction (RT-qPCR)[3], electrophoresis[4]

References

1. Green *et al.*, 2019 "The use of FTA cards to acquire DNA profiles from postmortem cases"
2. Serra *et al.*, 2018 "Use of FTA classic cards for epigenetic analysis of sperm DNA"
3. Kirgiz and Calloway 2017 "Increased recovery of touch DNA evidence using FTA paper compared to conventional collection methods"
4. Boué *et al.*, 2017 "Use of FTA card methodology for sampling and molecular characterization of Echinococcus granulosus sensu lato in Africa"

Room temperature storage or shipment of plasmid and BAC DNA

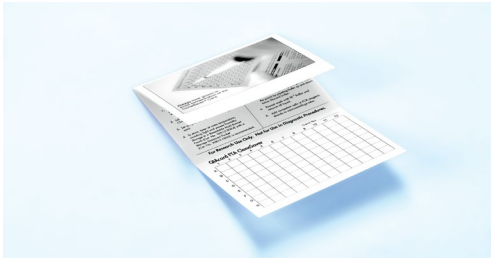
QIAcard FTA CloneSaver

The QIAcard FTA CloneSaver is designed for collection, long-term storage at room temperature, and purification of plasmid and BAC DNA in a 96-well format. Samples that can be applied include overnight cultures of bacteria, suspended colonies, glycerol stocks and purified plasmid DNA.

Specifications

Product name	QIAcard FTA CloneSaver
Cat. no. (Pack size)	WB120028 (5 Cards)
Sample material	Plasmid, bacterial cultures
Spot areas/Max. Sample volume	96 Spots / 5-7 µl
Indicating dye	Yes
Long-term storage at RT	Yes
Recommended processing	Manual/Semi-automated punching





The QIAcard FTA CloneSaver 96-well format employs a filter-based method for archiving and purifying clones. The functions of –80°C freezers and purification kits are condensed to the size of an index card.

CloneSaver uses FTA technology to provide years of ambient clone archiving, with protection against and recovery from phage infection, to deliver analysis-quality DNA. Clones that are stored and purified using QIAcard FTA CloneSaver are suitable for many common downstream applications including PCR and transformation (electroporation and heat-shock).

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Applications Area

Gel-based loop-mediated isothermal amplification (gLAMP)[1], finger-actuated microfluid chip (µFAchip)[1], restriction fragment length polymorphism analysis (RFLP)[2], Sanger/Illumina sequencing[3]

References

1. Chen *et al.*, 2021 "Integrated and finger-actuated microfluidic chip for point-of-care testing of multiple pathogens"
2. Kroll *et al.*, 2021 "Adiponectin and leptin gene variants and their effects on body weight trajectories in children from birth to 6 years of age: the PREDI Study"
3 Fauver *et al.*, 2016 "West African Anopheles gambiae mosquitoes harbor a taxonomically diverse virome including new insect-specific flaviviruses, mononegaviruses, and totiviruses"

Nucleic Acid release from FTA Cards

QIAcard FTA Elute Formats

QIAcard FTA Elute formats are designed for room temperature shipment, preservation and subsequent elution of released nucleic acids from biological samples. Sample material such as cells, bacteria and blood are lysed upon contact with the cards. Eluted DNA can be used for STR analysis (standard amplification), sequencing and real-time PCR applications.

Specifications

Product name	QIAcard FTA Elute Indicating Micro
Cat. no. (Pack size)	WB120412 (25 Cards) WB120411 (100 Cards)
Sample material	Tissue/Cells · Clear biofluids · DNA/RNA
Spot areas/Max. Sample volume	1 Spot / 125 µl
Indicating dye	Yes
Long-term storage at RT	Yes
Recommended processing	Manual/Semi-automated punching



Product name	QIAcard FTA Elute Micro
Cat. no. (Pack size)	WB120401 (25 Cards) WB120410 (100 Cards)
Sample material	Tissue/Cells · Colored biofluids · DNA/RNA
Spot areas/Max. Sample volume	4 Spots / 12 – 40 µl
Indicating dye	No
Long-term storage at RT	Yes
Recommended processing	Manual/Semi-automated punching



Product name	QIAcard FTA Elute Buffer
Cat. no. (Pack size)	WB120100 (40 ml)

The QIAcard FTA Elute Buffer enables improved recovery of nucleic acids from QIAcard FTA Elute formats. The buffer enhances the elution efficiency of nucleic acids from samples such as purified DNA or blood and saliva applied to QIAcard Elute formats.

See more details at page 17 (Accessories)



Applications

Elution of nucleic acids from the card, HPV-test (HPV-PCR)[1], real-time polymerase chain reaction (RT-PCR)2, amplicon sequencing[3], colorimetric loop-mediated isothermal amplification (LAMP)[3]

References

1. Pedrão *et al.*, 2021 "DNA Recovery Using Ethanol-Based Liquid Medium from FTA Card-Stored Samples for HPV Detection"
2. Aarnio *et al.*, 2021 "Comparison of vaginal self-sampling and cervical sampling by medical professionals for the detection of HPV and CIN2+: A randomized study"
3. Berggrund *et al.*, 2020 "Temporal changes in the vaginal microbiota in self-samples and its association with persistent HPV16 infection and CIN2+"

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Drug Metabolism and Pharmacokinetic (DMPK)

QIAcard FTA DMPK Formats

QIAcard FTA DMPK formats are simple room temperature collection cards to store and transport blood and other biofluid specimens for DMPK studies. The cards are a reliable and cost-effective sample collection technique to analyze pharmacokinetics in clinical and health surveillance programs. Forensic applications include detecting harmful byproducts (metabolites), dangerous exposure levels (toxicity) or active substances even in postmortem samples.

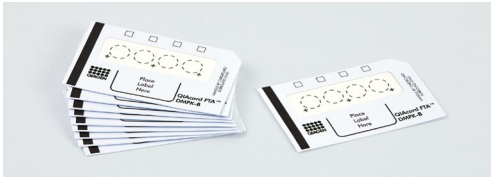
Specifications

Product name	QIAcard FTA DMPK-A
Cat. no. (Pack size)	WB129241 (100 Cards)
Sample material	Colored biofluids
Spot areas/Max. Sample volume	4 Spots / 20 µl
Indicating dye	No
Long-term storage at RT	Yes
Recommended processing	Automated (framed card)



Features: Chemical impregnation release endogenous cellular material leading to protein denaturation and enzyme inactivation

Product name	QIAcard FTA DMPK-B
Cat. no. (Pack size)	WB129242 (100 Cards)
Sample material	Colored biofluids
Spot areas/Max. Sample volume	4 Spots / 20 µl
Indicating dye	No
Long-term storage at RT	Yes
Recommended processing	Automated (framed card)



Features: Chemical impregnation (differs from QIAcard FTA DMPK-A) release endogenous cellular material leading to protein denaturation and enzyme inactivation

Product name	QIAcard FTA DMPK-C
Cat. no. (Pack size)	WB129243 (100 Cards)
Sample material	Colored biofluids
Spot areas/Max. Sample volume	4 Spots / 20 µl
Indicating dye	No
Long-term storage at RT	Yes
Recommended processing	Automated (framed card)



Features: Suited for analyzing protein-based biomolecules due to no chemically denaturation of proteins

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Applications

Capillary electrophoresis-mass spectrometry (CE-MS)[1], liquid chromatography with tandem mass spectrometry (LC-MS)[2], real-time quantitative polymerase chain reaction (RT-qPCR)[3], gas chromatography-electron ionization-mass spectrometry (GC-EI-MS)[4]

References

1. Swiadro *et al.*, 2021 "The Double Face of Ketamine – The Possibility of Its Identification in Blood and Beverages"
2. Kiran *et al.*, 2020 "Novel methodology to perform incurred sample reanalysis on dried blood spot cards: Experimental data using darolutamide and filgotinib"
3. Thevis *et al.*, 2020 "Can dried blood spots (DBS) contribute to conducting comprehensive SARS-CoV-2 antibody tests?"
4. Ikeda *et al.*, 2014 "Gas chromatography-electron ionization-mass spectrometry quantitation of valproic acid and gabapentin, using dried plasma spots, for therapeutic drug monitoring in in-home medical care"

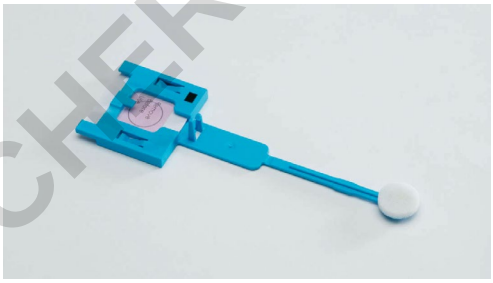
Proven all-in-one buccal cell sample collection device

EasiCollect

EasiCollect is the first-generation device with combined swab collection and FTA card storage. EasiCollect simplifies buccal cell collection and transportation. Cells are captured on the foam applicator by swabbing the inside of both cheeks and then transferred to an Indicating FTA Card held within the device.

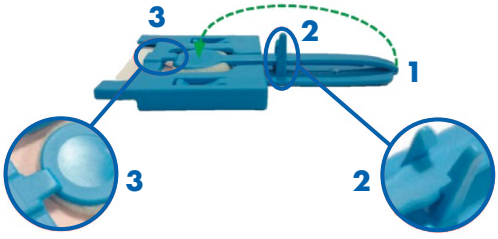
Specifications

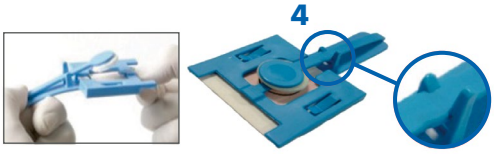
Product name	EasiCollect (50)
Cat. no. (Pack size)	WB120462 (50 pieces)
Sample material	Clear biofluids
Spot areas/Max. Sample volume	1 Spot / (N/A)
Indicating dye	Yes
Long-term storage at RT	Yes
Recommended processing	Automated punching (framed card)



Procedure

1. After sample collection, remove the foam head from the mouth and fold the device at the hinge (1), and press the foam head onto the FTA Card.
2. Ensure the foam head is held in place with the stem lock in the lowest position (2), and the foam head under the head tab (3).
3. Leave the foam head in contact with the FTA Card for 10 s.
4. Release the foam head tab by flexing the device (4) and pull the stem up to the top position on the stem lock (4), removing the foam head from contact with the FTA card.





Applications
Multiplex PCR[1], mitochondrial DNA sequencing[1], TaqMan® SNP genotyping[2]

References

1. Dudás *et al.*, 2019 "Identification of World War II bone remains found in Ukraine using classical anthropological and mitochondrial DNA results"
2. Abdella *et al.*, 2018 "Eating Behaviours and Food Cravings; Influence of Age, Sex, BMI and FTO Genotype"

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2nd Generation DNA collection made easy!

EasiCollect Plus

An all-in-one single-use product designed specifically for the collection and storage of buccal samples (mouth cells) for genetic analysis. This product allows cells to be uniformly captured on a foam applicator by swabbing the inside of both cheeks and then transferring to an integral Indicating FTA card.

Specifications

Product name	EasiCollect Plus (50)
WB120472	WB120472 (50 pieces)
Sample material	Clear biofluids
Spot areas/Max. Sample volume	1 Spot / (N/A)
Indicating dye	Yes
Long-term storage at RT	Yes
Recommended processing	Automated punching (framed card)



Procedure

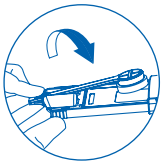
1



Buccal cell collection

- Foam head designed for maximum capture of buccal cells
- Device enables the possibility to self-collect the sample or easy collection by an authorised person

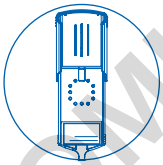
2



FTA Card application

- Integrated FTA Indicating Card for fast storage of buccal sample
- Strengthened yet flexible applicator arm for convenient sample transfer

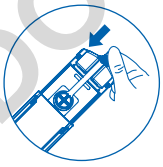
3



EasiCollect Plus drying

- Internal sample spreading ridges for even pressure distribution of sample
- Device holes and splits to improve the air-flow based drying process
- Cassette design reduces the amount of plastic and protects precious sample

4



EasiCollect Plus storage/transport

- Close the device cover to ensure a secure and well protected card during transport
- Open the device cover for easy removal of card after sample transport
- Space for identification information on the rear of device

Applications
STR Analysis[1], mitochondrial sequencing[1]

References
1. Zapico et al., 2020 "From your eyes only: Efficiency of nuclear and mitochondrial DNA isolation from contact lenses at crime scenes"

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Specialized swabs for reference sample collection

OmniSwab, sterile

The absorbent material of the swab is tailored for sterile buccal cell and saliva uptake used for reference sample collection. The OmniSwab has an ejectable head that facilitates oral sampling and enables DNA extraction directly from the swab head using standard purification protocols.

Specifications

Product name	OmniSwab, Sterile (100)
Cat. no. (Pack size)	WB100035 (100 pieces)
Sample material	Tissue/Cells, Clear biofluids
Sterilization	Gamma irradiation
Features	Ejectable swab head



Foam Swab, sterile

Foam tipped applicator designed for the non-abrasive collection of buccal cells and simple transfer to QIAcard FTA formats for DNA typing applications. Swab head is the same size as the sample area on QIAcard FTA cards to facilitate sample application.

Specifications

Product name	Foam Swab, Sterile (100)
Cat. no. (Pack size)	WB100032 (100 pieces)
Sample material	Tissue/Cells, Clear biofluids
Sterilization	Ethylene oxide
Features	Size optimization for QIAcard spots



Applications
Real-time quantitative polymerase chain reaction (RT-qPCR)[1], DNA methylation/hydroxymethylation studies2, DNA genotyping[3], oral microbiome sampling[4], Illumina sequencing[4], STR profiling5, PCR amplification[6]

References

1. Mesman *et al.*, 2020 "Molecular detection of Mycobacterium tuberculosis from buccal swabs among adult in Peru"
2. Avram *et al.*, 2020 "Changes in global DNA methylation and hydroxymethylation in oral mucosa according to tobacco smoke exposure
3. Stebbings *et al.*, 2017 "TTN genotype is associated with fascicle length and marathon running performance"
4. Taylor *et al.*, 2019 "Age-related variation in the oral microbiome of urban Cooper's hawks (Accipiter cooperii)"
5. Green *et al.*, 2019 "The use of FTA cards to acquire DNA profiles from postmortem cases"
6. Thomas *et al.*, 2014 "Alcohol and tobacco consumption affects bacterial richness in oral cavity mucosa biofilms"

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Safe transport and sample integrity

Multi-Barrier Pouch formats

Multi-Barrier Pouches (MBP) are made from a laminated material that maintains sample integrity and security by protecting the FTA media from exposure to gas or liquid contamination. MBP include a tamper-evident seal and an outer paper surface suitable for labeling or writing. To optimize sample integrity, FTA media should be stored in a Multi-Barrier Pouch with an Indicating Desiccant Pack.

Specifications

Multi-Barrier Pouch (MBP)

Cat No.	Pack Size	Dimensions	Features	Suitable cards
WB100036	100 pieces	3.75" x 3" (9.5 x 7.6 cm)		EasiCollect, Mini & Micro Cards
WB100089	100 pieces	3.75" x 3" (9.5 x 7.6 cm)	Transparent/clear face	EasiCollect, Mini & Micro Cards
WB100092	100 pieces	4" x 4.5" (10.1cm x 11.4 cm)		EasiCollect Plus Card
WB100037	100 pieces	4.37" x 6.5" (11.1cm x 16.5 cm)		QIAcard FTA Classic
WB100024	50 pieces	7" x 7.37" (17.8cm x 18.7 cm)	Resealable	QIAcard FTA CloneSaver



Indicating Desiccant Pack

Desiccant packets with indicator to ensure QIAGEN's FTA products remain dry during transport or storage. The self-indicating silica gel has 20% minimum weight for weight adsorption at 50% RH and 25°C. Color change from orange to green at approx. 20% adsorption.

Specifications

Product name	Indicating Desiccant Pack
Cat. no. (Pack size)	WB100003 (1000 pieces)
Dimensions	~40 x 20 mm in size
Material (per pack)	1 gram +/- 0.1 grams of silica gel
Features	Color indication of moisture absorption

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Professional and comfortable QIAcard processing

Cutting Mat

The Cutting Mat ensures clean sample cuts from FTA/FTA Elute Cards and extends the life of the cutting tip of the UniCore Punches. The mat is designed for repeated, extended use and can be cleaned with alcohol and is available in two formats.

Specifications

Product name	Cutting Mat
Cat. no. (Pack size)	WB100088 (1 piece) / 2.5" x 3.0" (6.3 cm x 7.6 cm) WB100020 (1 piece) / 6.0" x 8.0" (15.2 cm x 20.3 cm)
Sterilization	Can be cleaned with alcohol
Features	Designed for extensive use



UniCore Puncher formats

The UniCore Punches are designed to manually cut, retrieve, store and preferentially eject cored samples from source material. Tips are available in diameters of 1.00, 1.20, 2.00, 3.00, and 6.00 mm.
The disposable punch provides up to 500 punches, ensures precise sample cuts and minimizes the risk of sample carryover.

Specifications





Product name	UniCore Punches	UniCore Punch Kit
Cat. no. (Pack size/Diameter)	WB100073 (25 pieces) / 1.00 mm WB100074 (25 pieces) / 1.20 mm WB100076 (25 pieces) / 2.00 mm WB100078 (25 pieces) / 3.00 mm WB100082 (25 pieces) / 6.00 mm	WB100028 (4 pieces incl. 2 cutting mats) / 1.20 mm WB100029 (4 pieces incl. 2 cutting mats) / 2.00 mm WB100039 (4 pieces incl. 2 cutting mats) / 3.00 mm WB100040 (4 pieces incl. 2 cutting mats) / 6.00 mm
Sterilization	Can be cleaned with alcohol	
Features	Punched and trapped sample within cutting tip can be ejected by pressing the plunger	

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Application Area
Tumor metabolic profiling[1], chemotherapeutics[1], mass spectrometry (MS)[2], single nucleotide polymorphisms (SNP) analysis[2], atomic force microscopy (AFM)[3]

References

1. Russell *et al.*, 2017 "Metabolic Profiling of healthy and cancerous tissues in 2D and 3D"
2. Esposito *et al.*, 2014 "Genetic Polymorphisms and Sepsis in Premature Neonates"
3. Chaurasia *et al.*, 2012 "Effect of Fibrin Glue on the Biomechanical Properties of Human Descemet's Membrane"

Quicker sample processing and greater flexibility

Processing of QIAcard FTA formats

The use of FTA for DNA collection reduces laboratory processing time while maintaining data quality. QIAGEN offers several downstream options for amplification or elution of nucleic acids depending on the card format used.

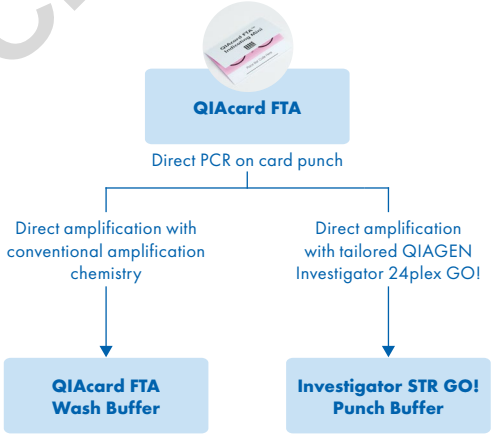
QIAcard FTA

Punches from blood and buccal samples collected on QIAcard FTA formats or EasiCollect devices can be processed for direct PCR (PCR mix includes the punched paper disc). Direct PCR can be streamlined with tailored ready-to-go kits by using, for example, QIAGEN's Investigator® 24plex GO! Kit in combination with the Investigator STR GO! Punch Buffer to overcome potential inhibition. For direct PCR with conventional amplification chemistry, it is recommended to wash the punched FTA paper disc with the QIAcard FTA Wash Buffer.

Specifications

Product name	QIAcard FTA Wash Buffer
Cat. no. (Pack size)	WB120112 (25 ml) WB120204 (500 ml)
Storage conditions	RT
Features	Convenient Punch washing to overcome potential inhibition

Product name	Investigator STR GO! Punch Buffer
Cat. no. (Pack size)	386526 (200 reactions) 386528 (1000 reactions)
Storage conditions	RT
Features	Tailored chemistry for optimal PCR Master mix setup



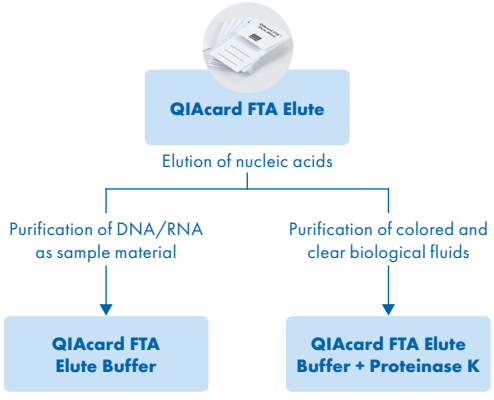
QIAcard FTA Elute

QIAcard FTA Elute formats are designed for room temperature, shipment, preservation and subsequent elution of released nucleic acids from biological samples. For purification of previously applied DNA or RNA to the FTA Elute cards, the use of QIAcard FTA Elute Buffer is sufficient. The recovery of nucleic acids from biological fluids requires the addition of Proteinase K. To make purification easier and to obtain maximal results, it is recommended to transfer the punches to a QIAshredder basket for convenient separation of paper disc and liquid during the elution step.

Specifications

Product name	QIAcard FTA Elute Buffer
Cat. no. (Pack size)	WB120100 (40 ml)
Storage conditions	4°C
Features	Improved NA protection & elution

Product name	QIAshredder
Cat. no. (Pack size)	79656 (250 preps)
Storage conditions	RT
Features	Optimal separation of paper & liquid



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FTA & FTA Elute Sample Collection Customization Services

Customization of:

Sample collection cards

- Customer Artwork, Logos & Print
- Barcoding
- FTA type
- Specialized card design

Sample collection kits

- Card or EasiCollect device
- Swab
- Gloves/mask
- Sample return envelopes & pouches
- Customized Instructions for Use and demographic forms etc.
- Other (Lancets, Stickers etc.)

Contact local sales team to discuss possibilities and opportunities.

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Ordering Information

Product	Contents	Cat. no.
QIAcard FTA Classic (25)	25 cards	WB120305
QIAcard FTA Classic (100)	100 cards	WB120205
QIAcard FTA Mini (25)	25 cards	WB120355
QIAcard FTA Mini (100)	100 cards	WB120055
QIAcard FTA Micro (25)	25 cards	WB120310
QIAcard FTA Micro (100)	100 cards	WB120210
QIAcard FTA Gene (100)	100 cards	WB120208
QIAcard Bloodstain(100)	100 cards	WB120014
QIAcard FTA PlantSaver (100)	100 cards	WB120065
QIAcard FTA Indicating Classic (25)	25 cards	WB120306
QIAcard FTA Indicating Classic (100)	100 cards	WB120206
QIAcard FTA Indicating Mini (25)	25 cards	WB120356

Product	Contents	Cat. no.
QIAcard FTA Indicating Mini (100)	100 cards	WB120056
QIAcard FTA Indicating Micro (25)	25 cards	WB120311
QIAcard FTA Indicating Micro (100)	100 cards	WB120211
QIAcard FTA CloneSaver (5)	5 cards	WB120028
QIAcard FTA Elute Indicating Micro (25)	25 cards	WB120411
QIAcard FTA Elute Indicating Micro (100)	100 cards	WB120412
QIAcard FTA Elute Micro (25)	25 cards	WB120401
QIAcard FTA Elute Micro (100)	100 cards	WB120410
QIAcard FTA DMPK-A (100)	100 cards	WB129241
QIAcard FTA DMPK-B (100)	100 cards	WB129242
QIAcard FTA DMPK-C (100)	100 cards	WB129243
EasiCollect (50)	50 pieces	WB120462
EasiCollect Plus (50)	50 pieces	WB120472
OmniSwab, Sterile (100)	100 pieces	WB100035
Foam Swab, Sterile (100)	100 pieces	WB100032
Multi-Barrier Pouch (3.75" x 3.0"/9.5 x 7.6 cm)	100 pouches	WB100036
Multi-Barrier Pouch (3.75" x 3.0"/9.5 x 7.6 cm), transparent face	100 pouches	WB100089
Multi-Barrier Pouch (4.0" x 4.5"/10.1 x 11.4 cm)	100 pouches	WB100092
Multi-Barrier Pouch (4.37" x 6.5"/11.1 x 16.5 cm)	100 pouches	WB100037
Multi-Barrier Pouch (7.0" x 7.37"/17.8 x 18.7 cm), resealable	50 pouches	WB120024
Indicating Desiccant Pack	1000 x 1 g	WB100003
Cutting Mat (2.5" x 3.0"/6.5 x 7.6 cm)	1	WB100088
Cutting Mat (6.0" x 8.0"/15.2 x 20.3 cm)	1	WB100020
UniCore Punches 1.00 mm	25 pieces	WB100073
1.20 mm		WB100074
2.00 mm		WB100076
3.00 mm		WB100078
6.00 mm		WB100082
UniCore Punch Kit 1.20 mm	4 (incl. 2 Cutting Mats)	WB100028
2.00 mm		WB100029
3.00 mm		WB100039
6.00 mm		WB100040
QIAcard FTA Wash Buffer (25 ml)	25 ml	WB120112
QIAcard FTA Wash Buffer (500 ml)	100 ml	WB120204
Investigator STR GO! Punch Buffer (200)	200 reactions	386526
Investigator STR GO! Punch Buffer (1000)	1000 reactions	386528
QIAcard FTA Elute Buffer	40 ml bottle	WB120100
QIAshredder (250)	250 preparations	79656
QIAGEN Proteinase K	2 ml	19131

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