BUREAU VERITAS
Certification

Certification

Awarded to

QIAGEN GmbH

QIAGEN STRASSE 1, 40724 HILDEN
GERMANY

Bureau Veritas certify that the Management System of the above organisation has been audited and found to be in accordance with the requirements of the management system standards indicated below

STANDARD

ISO 18385:2016

SCOPE OF SUPPLY

PRODUCTION OF REAGENTS AND CONSUMABLES USED IN THE PREPARATION AND ANALYSIS OF BIOLOGICAL MATERIAL FOR IDENTIFICATION AND FORENSIC DNA PURPOSES WHILST MINIMIZING THE RISK OF DETECTABLE HUMAN DNA CONTAMINATION

Original Approval Date: **17 April 2017**

Subject to the continued satisfactory operation of the organisation's Management System,

this certificate is valid until: **16 July 2026**

To check the validity of this certificate please call tel. **1800 855 190**

Further clarification regarding the scope of this certificate and the applicability of the Management System requirements may be obtained by consulting the organisation.

Certificate Number: **AU005482-1**

Date: **23 June 2023**

Andrew Mortimore
Vice President – I&F Pacific Region

Managing office: Bureau Veritas Pty Ltd, 3/435 Williamstown Road, Port Melbourne, Victoria, 3207

Issuing office: Bureau Veritas Pty Ltd, 3/435 Williamstown Road, Port Melbourne, Victoria, 3207

BUREAU VERITAS

EU Certificate

Quality Management System
REGULATION (EU) 2017/746 on In Vitro Diagnostic Medical Devices
Annex IX Chapter I, Section 2 and 3 and Chapter III

Registration No.:	HX 1782924-1
Manufacturer:	QIAGEN GmbH Qiagen Str. 1 40724 Hilden Germany
EUDAMED Single Registration No.:	DE-MF-000004949
Products:	Products of Class C: GENETIC TESTING IVR 0301 Devices intended to be used in screening, diagnosis, staging or monitoring of cancer W01060299 - TESTS FOR ACQUIRED GENETIC OR CHROMOSOMAL ALTERATIONS – OTHER INFECTIOUS DISEASES IVR 0503 Devices intended to be used to detect the presence of, or exposure to an infectious agent including sexually transmitted agents W01050107 - MYCOBACTERIA GENUS + SPECIES W01050705 - MULTIPLE PANELS FOR INFECTIONS - VARIOUS

The Notified Body hereby declares that the requirements of Annex IX, Chapter I, Section 2 and 3 of the REGULATION (EU) 2017/746 have been met for the listed products. The above named manufacturer has established and applies a quality management system, which is subject to periodic surveillance, defined by Annex IX, Chapter I, Section 3 of the aforementioned regulation. The requirements of Annex IX, Chapter III are fulfilled.
If class D devices are covered by this certificate an EU technical documentation assessment certificate according to Chapter II, Section 4 is required before placing them on the market.
If class B, C or D devices for self-testing or near-patient testing are covered by this certificate an EU technical documentation assessment certificate according to Chapter II, Section 5.1 is required before placing them on the market.
If companion diagnostics are covered by this certificate an EU technical documentation assessment certificate according to Chapter II, Section 5.2 is required before placing them on the market.

Report No.:	1148061-10
Effective date:	2024-09-13
Expiry date:	2026-06-29
Issue date:	2024-09-13

Dr. Volker Schlueter
TÜV Rheinland LGA Products GmbH
Tillystraße 2 · 90431 Nürnberg · Germany

This certificate can be validated on https://www.certipedia.com

TÜV Rheinland LGA Products GmbH is a Notified Body according to REGULATION (EU) 2017/746 concerning medical devices with the identification number 0197.

Benannt durch/Designated by
Zentralstelle der Länder für Gesundheitsschutz bei Arzneimitteln und Medizinprodukten
www.zlg.de
BS-MDR-091

TÜVRheinland®
Precisely Right.

EU Certificate

Quality Management System
REGULATION (EU) 2017/746 on In Vitro Diagnostic Medical Devices
Annex IX Chapter I, Section 2 and 3 and Chapter III

Registration No.:	HX 1782924-1
Manufacturer:	QIAGEN GmbH Qiagen Str. 1 40724 Hilden Germany
EUDAMED Single Registration No.:	DE-MF-000004949

SAMPLES COLLECTION DEVICES
IVR 0503 Devices intended to be used to detect the presence of, or exposure to an infectious agent including sexually transmitted agents
W05010101 - VENOUS OR ARTERIOUS BLOOD COLLECTION DEVICES

NUCLEIC ACID TESTING INSTRUMENTS
IVR 0302 Other devices intended to be used for markers of cancer and non-malignant tumours
IVR 0403 Other devices intended to be used for human genetic testing
W02050192 – NUCLEIC ACID TESTING INSTRUMENTS EXCEPT MICRO-ARRAYS - IVD MEDICAL DEVICE SOFTWARE

Products of Class D:

INFECTIOUS DISEASES
IVR 0503 Devices intended to be used to detect the presence of, or exposure to an infectious agent including sexually transmitted agents
W01050705 - MULTIPLE PANELS FOR INFECTIONS - VARIOUS

Report No.:	1148061-10
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REGULATION (EU) 2017/746 on In Vitro Diagnostic Medical Devices
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Registration No.:	HX 1782924-1
Manufacturer:	QIAGEN GmbH Qiagen Str. 1 40724 Hilden Germany
EUDAMED Single Registration No.:	DE-MF-000004949
Authorized representative(s):	N/A

Certificate history		
Revision:	Description:	Issue date:
0	Initial certification	2022-09-15
1	Scope extension	2023-02-09
2	Scope extension (new Product List and Application PDQ2_2023-12-12)	2024-04-26
3	Scope extension, based on Product List and Application PDQ2_2023 12-12_2024-07-30	2024-07-30
4	Scope extension, add class D products (based on Product List and Application PDQ2_2023 12-12_2024-09-13)	2024-09-13

Report No.:	1148061-10
Effective date:	2024-09-13
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BS-MDR-091

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Certificate

Standard **ISO 9001:2015**

Certificate Registr. No. **01 100 1810009**

Certificate Holder: **QIAGEN N.V.**
Hulsterweg 82
5912 PL Venlo
Netherlands

including the locations according to annex

Scope: Design and development, manufacture, distribution, installation and service of products and provision of customer services in the area of in vitro diagnostic medical devices and life science research

Proof has been furnished by means of an audit that the requirements of ISO 9001:2015 are met.

Validity: The certificate is valid from 2024-08-09 until 2027-08-08.
First certification 2018

2024-08-08

TÜV Rheinland Cert GmbH
Am Grauen Stein · 51105 Köln

www.tuv.com

DAkkS Deutsche Akkreditierungsstelle D-ZM-16031-01-00

TÜVRheinland®
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Annex to certificate

Standard **ISO 9001:2015**

Certificate Registr. No. **01 100 1810009**

No.	Location	Scope
/01	c/o QIAGEN N.V. Hulsterweg 82 5912 PL Venlo Netherlands	Management of the global QM System and administration
/02	c/o QIAGEN GmbH Qiagen Str. 1 40724 Hilden Germany	Design and development, manufacture, distribution, marketing and servicing of products for the handling, stabilization, separation, purification, amplification and detection of nucleic acids and proteins and provision of services for RNA/DNA isolation, genome amplification, PCR-& sequencing-analysis including data interpretation in the area of in vitro diagnostic medical devices and life science research
/03	c/o QIAGEN Manchester Ltd. Citylabs 2.0 200 Hathersage Road Manchester M13 0BH United Kingdom	Design and development of molecular diagnostic reagents and instruments and the installation, service and distribution of molecular diagnostic and immunological reagents, instruments and software used in the area of in vitro diagnostic medical devices.
/04	c/o QIAGEN Ltd. Citylabs 2.0 200 Hathersage Road Manchester M13 0BH United Kingdom	Installation, service and distribution of molecular diagnostic and immunological reagents, instruments and software used in the area of in vitro diagnostic medical devices.
/05	c/o QIAGEN Redwood City Inc. 1001 Marshall Street 2nd Floor	Development of bioinformatics software for analyzing, interpreting and reporting on biological data

Annex to certificate

Standard **ISO 9001:2015**

Certificate Registr. No. **01 100 1810009**

	Redwood City CA 94063 USA	
/06	c/o QIAGEN Sciences LLC 19300 Germantown Road Germantown MD 20874 USA	Manufacture of Products for the Separation and Purification of Nucleic Acids and Proteins
/07	c/o QIAGEN Aarhus A/S Silkeborgvej 2 4. sal 8000 Aarhus C Denmark	Development and manufacturing of bioinformatics software for analyzing, interpreting and reporting on biological data and provisioning of bioinformatics services

2024-08-08

TÜV Rheinland Cert GmbH
Am Grauen Stein · 51105 Köln

Certificate

Quality Management System
EN ISO 13485:2016
EN ISO 13485:2016/AC:2018
EN ISO 13485:2016/A11:2021

Registration No.:	SX 1418003-1
Certificate Holder:	QIAGEN N.V. Hulsterweg 82 5912 PL Venlo Netherlands
Scope:	The design and development, manufacture, distribution, installation, and servicing of in-vitro diagnostic instruments, in-vitro diagnostic reagents, in-vitro diagnostic test kits and in-vitro diagnostic software used in the diagnosis, management and detection of cancer, disease status, immune status, sexually transmissible agents, transmissible agents and detection of placental alpha macroglobulin- 1 (PAMG-1). The design and development, manufacture, distribution, installation, and servicing of in-vitro diagnostic instruments, in-vitro diagnostic reagents and in-vitro diagnostics medical devices used for clinical specimen collection and isolation and purification of nucleic acids from human samples.

The Certification Body of TÜV Rheinland LGA Products GmbH certifies that the organization has established and applies a quality management system for medical devices.
Proof has been furnished that the requirements specified in the abovementioned standard are fulfilled. The quality management system is subject to yearly surveillance.

Report No.:	1157452-40
Effective date:	2024-08-15
Expiry date:	2027-08-14
Issue date:	2024-08-08

Replaces certificate SX 1418003-1 issued 2023-02-14

This certificate can be validated on https://www.certipedia.com

Rafał Byczkowski
TÜV Rheinland LGA Products GmbH
Tillystraße 2 · 90431 Nürnberg · Germany

DAkkS Deutsche Akkreditierungsstelle D-ZM-14169-01-02

TÜVRheinland® Precisely Right.

Certificate

Quality Management System
EN ISO 13485:2016
EN ISO 13485:2016/AC:2018
EN ISO 13485:2016/A11:2021

Registration No.: SX 1418003-1

Certificate Holder: QIAGEN N.V.
Hulsterweg 82
5912 PL Venlo
Netherlands

The scope of certification also covers the following sites:

No.	Facility	Scope
/01	c/o QIAGEN N.V. Hulsterweg 82 5912 PL Venlo Netherlands	Management of the global QM System and administration.
/02	c/o QIAGEN GmbH Qiagen Str. 1 40724 Hilden Germany	The manufacture, distribution, installation, servicing and administration of in-vitro diagnostic instruments, in-vitro diagnostic reagents, in-vitro diagnostic test kits used in the diagnosis, management and detection of cancer, disease status, immune status, sexually transmissible agents and transmissible agents. The manufacture, distribution, installation, servicing and administration of in-vitro diagnostic instruments, in-vitro diagnostic reagents and in-vitro diagnostics medical devices used for clinical specimen collection and isolation and purification of nucleic acids from human samples.
/03	c/o QIAGEN GmbH Max-Volmer Str. 1 40724 Hilden Germany	The design and development of in-vitro diagnostic instruments, in-vitro diagnostic reagents, in-vitro diagnostic test kits used in the diagnosis, management and detection of cancer, disease status, immune status, sexually transmissible agents and transmissible agents. The design and development of in-vitro diagnostic instruments, in-vitro diagnostic reagents and in-vitro diagnostics medical devices used for clinical specimen collection and isolation and purification of nucleic acids from human samples.
/04	c/o QIAGEN GmbH Max-Volmer Str. 2 40724 Hilden Germany	The design and development of in-vitro diagnostic instruments, in-vitro diagnostic reagents, in-vitro diagnostic test kits used in the diagnosis, management and detection of cancer, disease status, immune status, sexually transmissible agents and transmissible agents. The design and development of in-vitro diagnostic instruments, in-vitro diagnostic reagents and in-vitro diagnostics medical devices used for clinical specimen collection and isolation and purification of nucleic acids from human samples.

This certificate can be validated on https://www.certipedia.com

DAkkS Deutsche Akkreditierungsstelle D-ZM-14169-01-02

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Certificate

Quality Management System
EN ISO 13485:2016
EN ISO 13485:2016/AC:2018
EN ISO 13485:2016/A11:2021

Registration No.: SX 1418003-1

Certificate Holder: QIAGEN N.V.
Hulsterweg 82
5912 PL Venlo
Netherlands

The scope of certification also covers the following sites:

/05	c/o QIAGEN GmbH Max-Volmer Str. 3 40724 Hilden Germany	The servicing of in-vitro diagnostic instruments used in the diagnosis, management and detection of cancer, disease status, immune status, sexually transmissible agents, transmissible agents and detection of placental alpha macroglobulin- 1 (PAMG-1). The servicing of in-vitro diagnostic instruments used for clinical specimen collection and isolation and purification of nucleic acids from human samples.
/06	c/o QIAGEN GmbH Max-Volmer Str. 4 40724 Hilden Germany	The design and development of in-vitro diagnostic instruments, in-vitro diagnostic reagents, in-vitro diagnostic test kits used in the diagnosis, management and detection of cancer, disease status, immune status, sexually transmissible agents and transmissible agents. The design and development of in-vitro diagnostic instruments, in-vitro diagnostic reagents and in-vitro diagnostics medical devices used for clinical specimen collection and isolation and purification of nucleic acids from human samples.
/07	c/o QIAGEN GmbH Max-Volmer Str. 8 40724 Hilden Germany	The manufacture of in-vitro diagnostic reagents, in-vitro diagnostic test kits used in the diagnosis, management and detection of cancer, disease status, immune status, sexually transmissible agents and transmissible agents.
/08	c/o QIAGEN GmbH Max-Volmer Str. 9a 40724 Hilden Germany	The manufacture of in-vitro diagnostic reagents, in-vitro diagnostic test kits used in the diagnosis, management and detection of cancer, disease status, immune status, sexually transmissible agents and transmissible agents. The manufacture of in-vitro diagnostic instruments, in-vitro diagnostic reagents and in-vitro diagnostics medical devices used for clinical specimen collection and isolation and purification of nucleic acids from human samples.

This certificate can be validated on https://www.certipedia.com

DAkkS Deutsche Akkreditierungsstelle D-ZM-14169-01-02

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Certificate

Quality Management System
EN ISO 13485:2016
EN ISO 13485:2016/AC:2018
EN ISO 13485:2016/A11:2021

Registration No.: SX 1418003-1

Certificate Holder: QIAGEN N.V.
Hulsterweg 82
5912 PL Venlo
Netherlands

The scope of certification also covers the following sites:

/09	c/o QIAGEN Wrocław Sp. z.o.o. Powstańców Śląskich 95 53-332 Wrocław Poland	The design and development of in-vitro diagnostic instruments and distribution In-vitro diagnostic software used in the diagnosis, management and detection of cancer, disease status, immune status, sexually transmissible agents and transmissible agents. The design, development of in-vitro diagnostic instruments used for isolation and purification of nucleic acids from human samples. Administration for manufacture, distribution, installation and service.
/10	c/o QIAGEN Manchester Ltd. Citylabs 2.0 200 Hathersage Road Manchester M13 0BH United Kingdom	The design, development and administration of in-vitro diagnostic instruments, in-vitro diagnostic reagents and in-vitro diagnostic test kits used in the diagnosis, management and detection of cancer, disease status, immune status, sexually transmissible agents and transmissible agents. The design, development and administration of in-vitro diagnostic instruments used for clinical specimen collection and isolation and purification of nucleic acids from human samples.
/11	c/o QIAGEN Ltd. Citylabs 2.0 200 Hathersage Road Manchester M13 0BH United Kingdom	The distribution, installation, and servicing of in-vitro diagnostic instruments, in-vitro diagnostic reagents, in-vitro diagnostic test kits and In-vitro diagnostic software used in the diagnosis, management and detection of cancer, disease status, immune status, sexually transmissible agents, transmissible agents and detection of placental alpha macroglobulin- 1 (PAMG-1). The distribution, installation and servicing of in-vitro diagnostic instruments, in-vitro diagnostic reagents and in-vitro diagnostics medical devices used for clinical specimen collection and isolation and purification of nucleic acids from human samples.
/12	c/o STAT DX LIFE S.L. Calle Baldiri Reixac 4 08028 Barcelona Spain	The design and development and manufacture of in-vitro diagnostic instruments, in-vitro diagnostic reagents, in-vitro diagnostic test kits used in the diagnosis, management and detection of cancer, disease status, immune status, sexually transmissible agents and transmissible agents.

This certificate can be validated on https://www.certipedia.com

Certificate

Quality Management System
EN ISO 13485:2016
EN ISO 13485:2016/AC:2018
EN ISO 13485:2016/A11:2021

Registration No.: SX 1418003-1

Certificate Holder: QIAGEN N.V.
Hulsterweg 82
5912 PL Venlo
Netherlands

The scope of certification also covers the following sites:

/13	c/o QIAGEN Sciences LLC 19300 Germantown Road Germantown MD 20874 USA	The design, development, manufacture and administration of in-vitro diagnostic instruments, in-vitro diagnostic reagents and in-vitro diagnostic test kits used in the diagnosis, management and detection of cancer, disease status, immune status, sexually transmissible agents, transmissible agents and detection of placental alpha macroglobulin- 1 (PAMG-1). The design and development, manufacture and administration of in-vitro diagnostic instruments, in-vitro diagnostic reagents and in-vitro diagnostics medical devices used for clinical specimen collection and isolation and purification of nucleic acids from human samples.
/14	c/o QIAGEN LLC 12920 Cloverleaf Center Drive Germantown MD 20874 USA	The servicing of in-vitro diagnostic instruments used in the diagnosis, management and detection of cancer, disease status, immune status, sexually transmissible agents, transmissible agents and detection of placental alpha macroglobulin- 1 (PAMG-1). The servicing of in-vitro diagnostic instruments used for clinical specimen collection and isolation and purification of nucleic acids from human samples.
/15	c/o QIAGEN LLC 19300 Germantown Road Germantown MD 20874 USA	The distribution, installation, and servicing of in-vitro diagnostic instruments, in-vitro diagnostic reagents and in-vitro diagnostic test kits used in the diagnosis, management and detection of cancer, disease status, immune status, sexually transmissible agents, transmissible agents and detection of placental alpha macroglobulin- 1 (PAMG-1). The distribution, installation, and servicing of in-vitro diagnostic instruments, in-vitro diagnostic reagents and in-vitro diagnostics medical devices used for clinical specimen collection and isolation and purification of nucleic acids from human samples.

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EN ISO 13485:2016
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EN ISO 13485:2016/A11:2021

Registration No.: SX 1418003-1

Certificate Holder: QIAGEN N.V.
Hulsterweg 82
5912 PL Venlo
Netherlands

The scope of certification also covers the following sites:

/16	c/o Qiagen Beverly LLC 100 Cummings Center, Suite 407j Beverly MA 01915 USA	The design and development, manufacture and administration of in-vitro diagnostic reagents used in the diagnosis, management and detection of cancer, disease status, immune status, sexually transmissible agents and transmissible agents. The design and development, manufacture and administration of in-vitro diagnostic reagents used for isolation and purification of nucleic acids from human samples.
/17	c/o QIAGEN Aarhus A/S Silkeborgvej 2 4. sal 8000 Aarhus C Denmark	The design, development and manufacture of In-vitro diagnostic software used in the diagnosis, management and detection of cancer, disease status, immune status, sexually transmissible agents and transmissible agents.
/18	c/o QIAGEN Redwood City Inc. 1001 Marshall Street, Suite 200 Redwood City CA 94063 USA	The design, development and manufacture of In-vitro diagnostic software used in the diagnosis, management and detection of cancer, disease status, immune status, sexually transmissible agents and transmissible agents.

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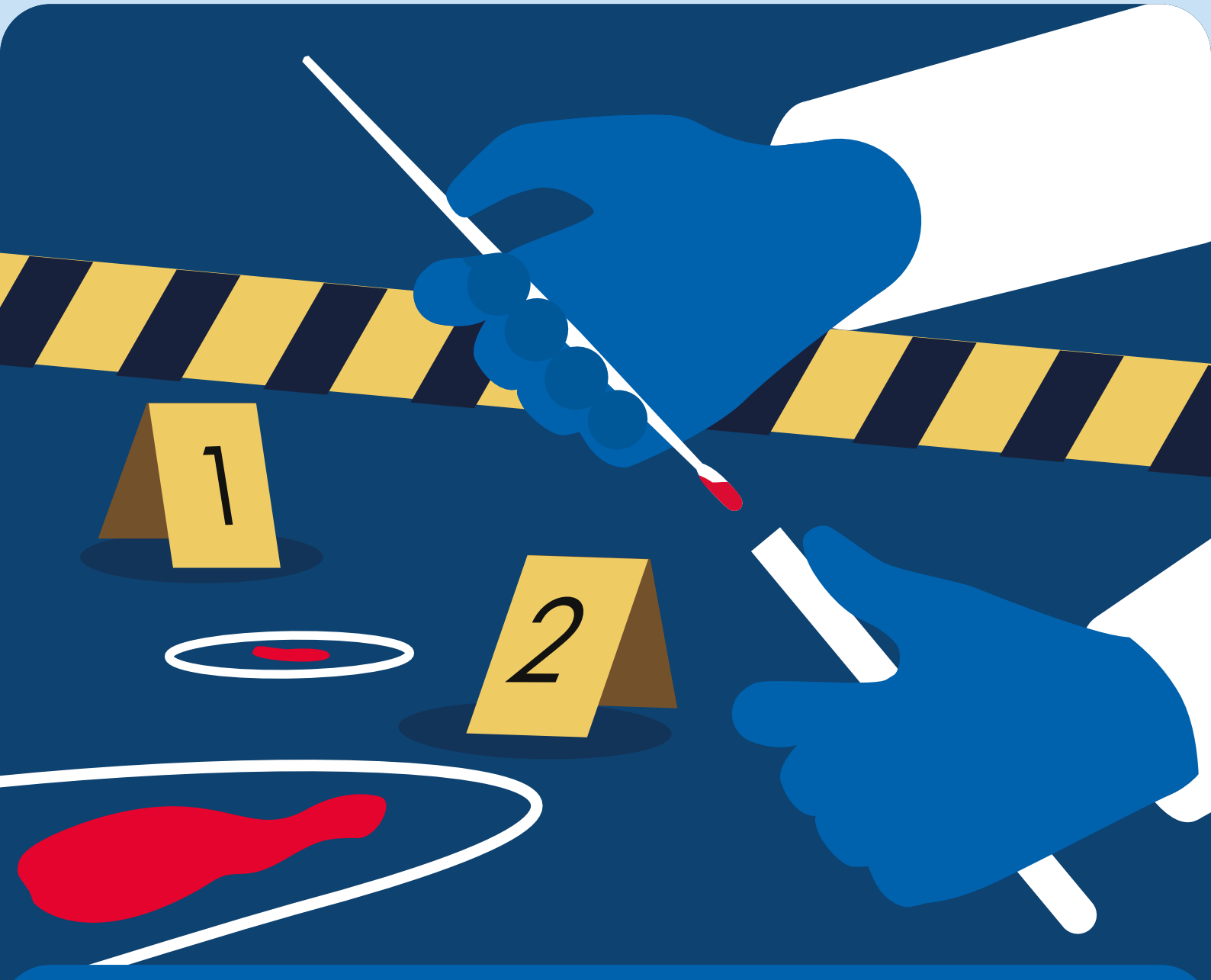
DAkkS Deutsche Akkreditierungsstelle D-ZM-14169-01-02

TÜVRheinland® Precisely Right.

Forensic investigation begins with sample collection

4N6FLOQSwabs®



Sample to Insight

4N6FLOQSwabs for highest DNA collection and recovery

The relevance of any investigation is determined by the type and quality of the sample submitted to the forensic lab

Optimize the **efficiency** of target collection

4N6FLOQSwabs represent a breakthrough to guarantee that even smallest amounts of DNA can be collected and remain available for testing.

Rapid absorption

Sprayed-on Nylon fibers arranged in a uniform perpendicular fashion ensure a quick, capillarity-driven sample uptake and optimize the collection of epithelial cells.

More than 90% sample release

The absence of a disorganized fiber structure trapping the sample allows a superior elution of the biological specimen. The sample is instantaneously and automatically released when 4N6FLOQSwabs are mixed with assay reagents, placed in buffer solutions or onto solid absorbent substrates, e.g., QIAcard® FTA®.

Compatibility with different DNA extraction methods

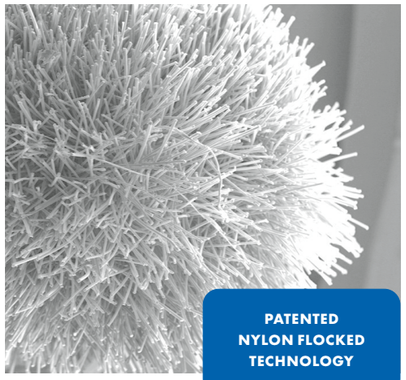
4N6FLOQSwabs have been validated for compatibility with numerous DNA extraction methods, e.g., EZ1&2 DNA Investigator Kit.

Compatibility with direct amplification

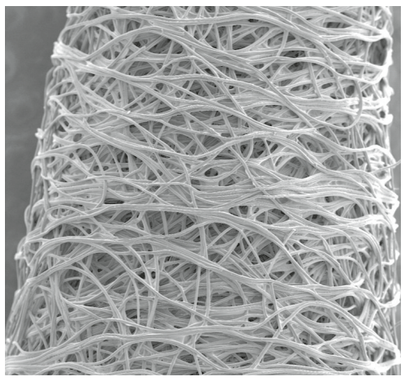
4N6FLOQSwabs are compatible with the Investigator Casework GO! Kit to maximize recovery of DNA from trace or touch samples.

EO Treatment

All 4N6FLOQSwabs are Ethylene Oxide treated and ISO18385 compliant.



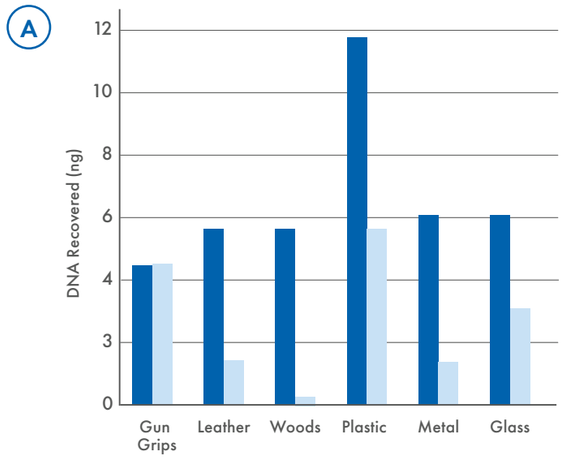
FLOQSwabs Nylon fibers are sprayed on. Swabs have no inside thereby allowing the sample to be instantly and entirely released.



Traditional fiber swabs show a disorganized fiber structure trapping the sample and blocking quick and efficient absorption.

Suitable for all traces found at a crime scene including any environmental traces

DNA recovery with forensic DNA extraction kits from FLOQSwabs versus cotton swabs



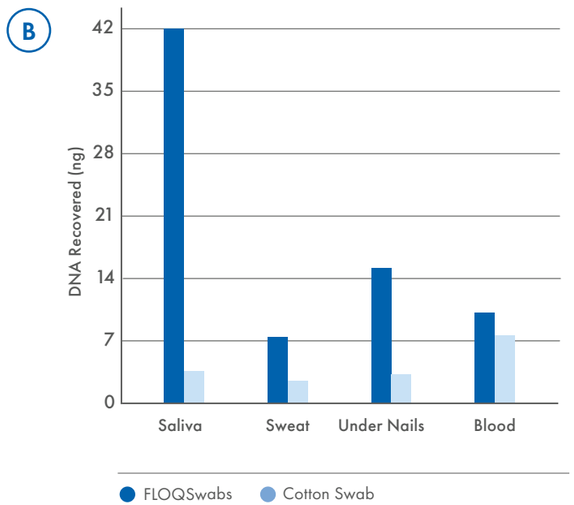


Figure 1. (A) Comparison of DNA recovered from trace blood samples on various solid substrates with FLOQSwabs or cotton swabs. (B) Comparison of DNA recovered from various common forensic trace samples with FLOQSwabs or cotton swabs.

Applications

- Casework analysis
- Sexual assault
- Forensic genetics
- Paternity tests
- Research genotyping
- Evidence collection
- Others

Targeted samples

- Epithelial cells
- Saliva
- Sweat
- Skin
- Semen
- Blood stains
- Others

4N6FLOQSwabs common features at a glance

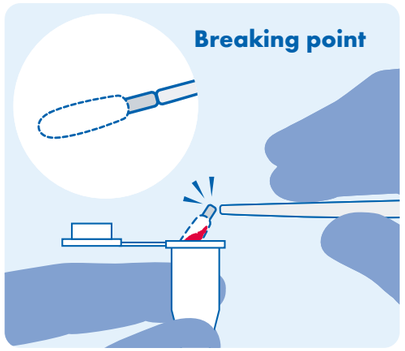
Unique fiber tip

- Rapid absorption and release of sample
- Maximum elution and transfer

Cells are easily collected between the fibers

Pre-molded breakpoint on the swab shaft

- Smooth breaking of the swab
- Convenient and safe
- Breakpoint fits standard vials and cuvettes



20 mm breaking point is available on all 4N6FLOQSwabs

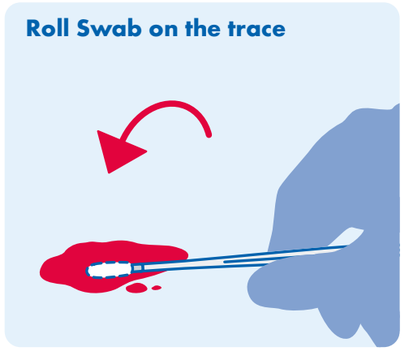
Solid plastic applicator shaft

- Flexibility during sample collection
- No entrapment of the sample inside the shaft

The 20 mm breaking point designed on 4N6FLOQSwabs is compatible with the Investigator Lyse&Spin Basket Kit.

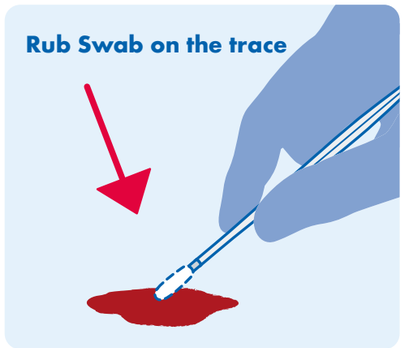
Biological evidence can be collected using dry swabs or swabs moistened with water

Wet sample

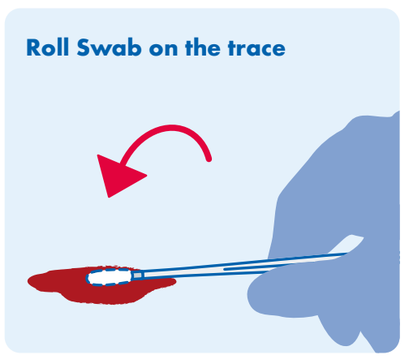


To collect a wet sample, place the tip of the swab in the substance and roll the swab over the sample until it is completely collected.

Dry sample



To collect a dry sample, moisten one side of the swab with a drop of nuclease-free water leaving the other side dry. Rub the trace with the tip of the swab.



Roll the moist side over the substance to collect most of the sample, then rub with the dry side until it is completely collected.

After collection, environmental factors such as heat and humidity can provide a growth environment for microbes leading to DNA degradation. Evidence collected with the swab should be allowed to air dry before it is packaged in an evidence bag.

4N6FLOQSwabs are available in three formats

Dry tube
The plastic tube guarantees swab integrity and avoids the risk of sample contamination during transport.

Tube with active drying system
This system ensures sample drying in the tube preventing microbial growth.

Peelpouch
4N6FLOQSwabs with molded breakpoint are packaged individually in a convenient peelpouch.

Dry tube
After collection, the regular size 4N6FLOQSwabs can be inserted back into the transport tube and sent to the testing laboratory.

Data Matrix code
Every 4N6FLOQSwabs tube is identified with a Data Matrix code bearing uniquely assigned numeric data for safe and easy sample traceability and tracking. The Data Matrix code is printed on the lid and the tube to exclude the chance of mix up after sample collection.

The active drying system prevents microbial growth DNA stability is guaranteed for 12+ months at RT and –80°C

Tube with active drying system
4N6FLOQSwabs tube with active drying system includes integrated drying.

Data Matrix code

Active drying system
Molecular sieve particles contained in the tube stopper actively absorb water molecules and dry out the collected sample. The sample is dried in the tube and microbial growth is prevented. Aluminum foil barrier packaging ensures the molecular sieve drying action is activated only upon pouch opening.

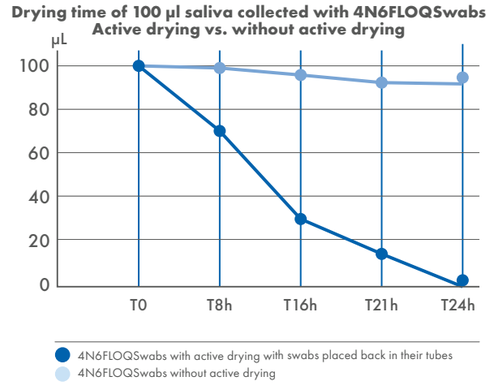


Figure 2. Comparison of drying of a 100 µl saliva sample collected with 4N6FLOQSwabs with and without active drying. The 100 µl of saliva sample is completely dry after storage in the tube with active drying for 24 hours.

Table 1. DNA of saliva samples collected and stored in 4N6FLOQSwabs tubes with active drying system remains stable at room temperature for at least 12 months.

TIME POINT	SALIVA DATA		
	ng DNA/ swab	degradation index	STR profile
Time zero	1.70	0.72	complete 3/3
4 months RT	1.12	0.66	complete 3/3
6 months RT	0.99	0.68	complete 3/3
12 months RT	0.95	0.71	complete 3/3

Ordering Information

Product	Cat. no.
Swabs	
4N6FLOQSwabs in peelpouch (100)	WB100100
4N6FLOQSwabs in dry tube (100)	WB100101
4N6FLOQSwabs w/a drying system (50)	WB100102
Compatible Accessories	
Indicating Desiccant Pack (1000)	WB100003
Multi Barrier Pouch Reseal 7 x 7.37 (50)	WB100024
Related products	
Investigator Casework GO! Kit	386546
Investigator Lyse&Spin Basket Kit (50)*	19597
EZ1&2 DNA Investigator Kit (48)	952034
Investigator Quantiplex Pro Kit (200)	387216
Investigator 24plex QS Kit (100)*	382415
Investigator ESSplex SE QS Kit (100)*	381575
Investigator Argus Y-28 QS Kit (100)*	383625

* Larger kit sizes available; please inquire.

Learn more about our sample collection solutions for confidence in your evidence at **www.qiagen.com/product-categories/human-id-and-forensics/sample-collection**

Learn more about our Investigator workflows for human identity and forensic testing at **www.qiagen.com/product-categories/human-id-and-forensics/investigator-solutions**

4N6FLOQSwabs meet ISO18385 requirements. For more Forensic Grade quality, see **www.qiagen.com/forensicgrade**

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