

# Advancing human health through innovation



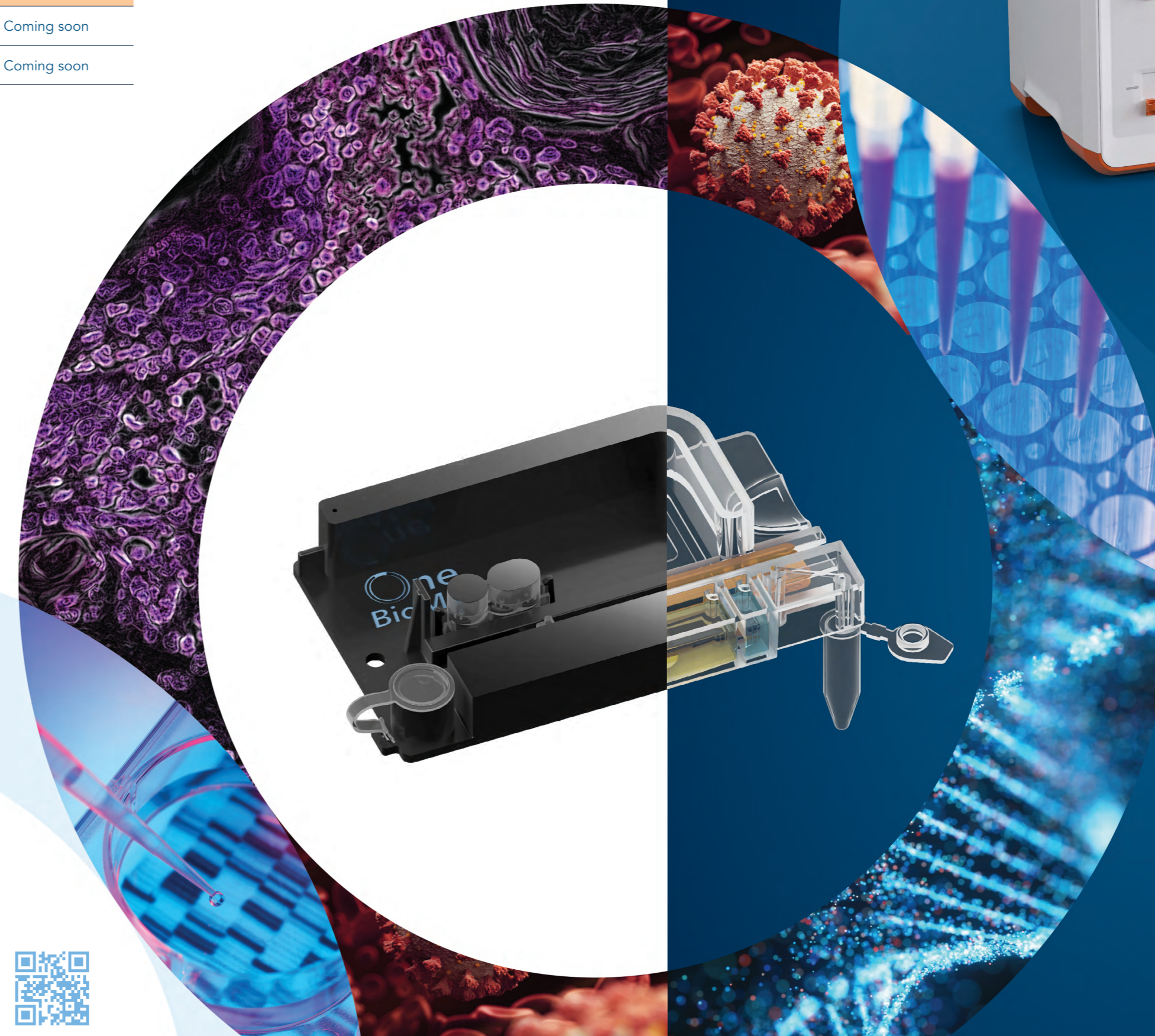
## Cartridge Kits, 24 preps

DNA	Product code
X8 Genomic DNA Kit	X8-GD01001-24
X8 Tissue DNA Kit	Coming soon

RNA	Product code
X8 Total RNA Kit	Coming soon
X8 Viral RNA Kit	Coming soon

## Instruments

Nucleic Acid Extraction	Product code
X8 OneTouch	X8-OT101



# Xceler8™ Solution

Rapid, automated nucleic acid extraction



## Xceler8™ Solution

Simple, fast, efficient.

A versatile molecular platform that effectively automates nucleic acid extraction and purification without all the fuss.



- Increase productivity
- Simple automation
- Reproducible results
- Stackup to scale
- Minimize human error
- Rapid run times
- Efficient workflow
- Random access

### Contact us

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SAM-001-EN RevA



## The Xceler8™ Platform

The integrated Xceler8 Solution for automated nucleic acid extraction and purification is a cutting-edge molecular platform that is both accessible and best in class. Comprising of an instrument, ready-to-use Cartridge Kits and a touchscreen tablet with our proprietary X8 App, the Xceler8 Platform is intuitively designed for full process automation. The versatile Xceler8 Solution enables **beyond simple** nucleic acid extraction from a variety of biological samples for a wide range of research as well as clinical applications.



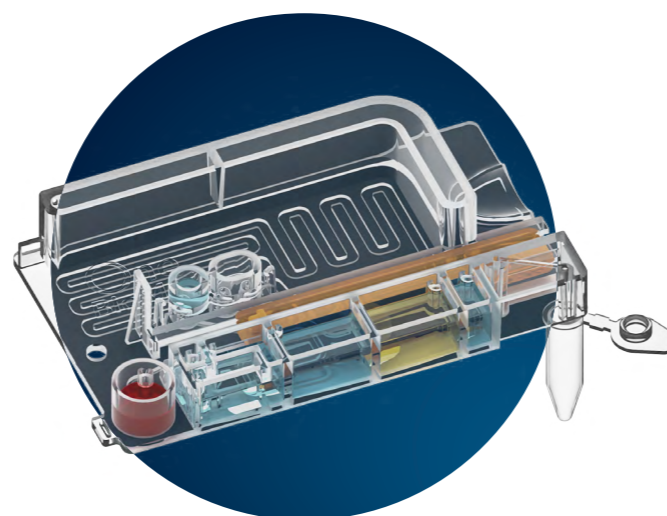
## Breakthrough Technology

The disruptive Xceler8 Technology significantly expedites and seamlessly integrates the process of nucleic acid extraction and purification. Unlike typical commercial spin-column or magnetic-bead technologies, the automated Xceler8 Technology uses a novel four-step chemistry-based approach to purify nucleic acids, making it the first of its kind to facilitate a **truly walk-away solution**.

## X8 OneTouch Instrument

Experience freedom from sample batching with the random-access feature on the X8 OneTouch. By automating the X8 Cartridge Kits, the X8 OneTouch efficiently extracts nucleic acids up to 8 samples at a time, setting new standards for reproducibility & user-friendliness.

- Versatile workflow.** Gain unparalleled flexibility with the ability to run any sample at any time, instantaneously.
- Compact footprint & low noise.** Function with safety, ease & low noise, whether on a standard benchtop or within the confines of a biosafety cabinet.



## X8 Cartridge Kits

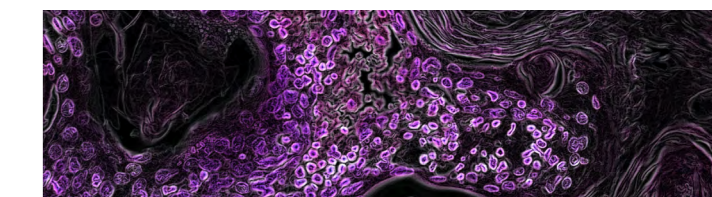
Easily purify high-quality DNA or RNA from a myriad of biological samples for a wide variety of downstream applications. Rapidly automate your sample preparation process by choosing the kit suitable to your workflow.

- Ready-to-use.** Conveniently process samples with pre-filled, sealed cartridge kits with all-inclusive reagents, including Proteinase K.
- Simple handling.** Enjoy hassle-free shipping & storage at room temperature with non-volatile and ethanol-free cartridge kits.

## SOLUTION HIGHLIGHTS

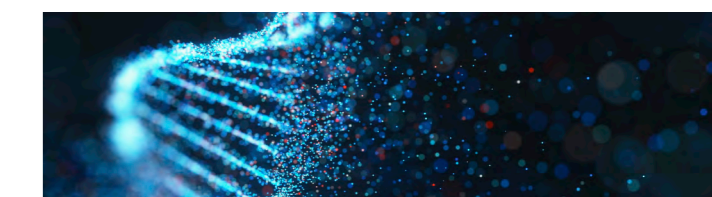
- Turnkey solution.** Plug-and-play instrument with minimal routine maintenance.
- Rapid workflow.** Run samples in as little as 30 minutes without sample batching.
- Simple operation.** Ensure high nucleic acid extraction performance from a myriad of sample types with the push of a button.
- Reliable cleaning.** Simplify clean up & minimize cross-contamination with the fully sealed cartridge architecture with built-in waste reservoir.
- Scale up with stacking.** Increase throughput by stacking X8 OneTouch Instruments.

## Cancer research



- Study gene expression changes
- Identify cancer driver genes

## Infectious diseases



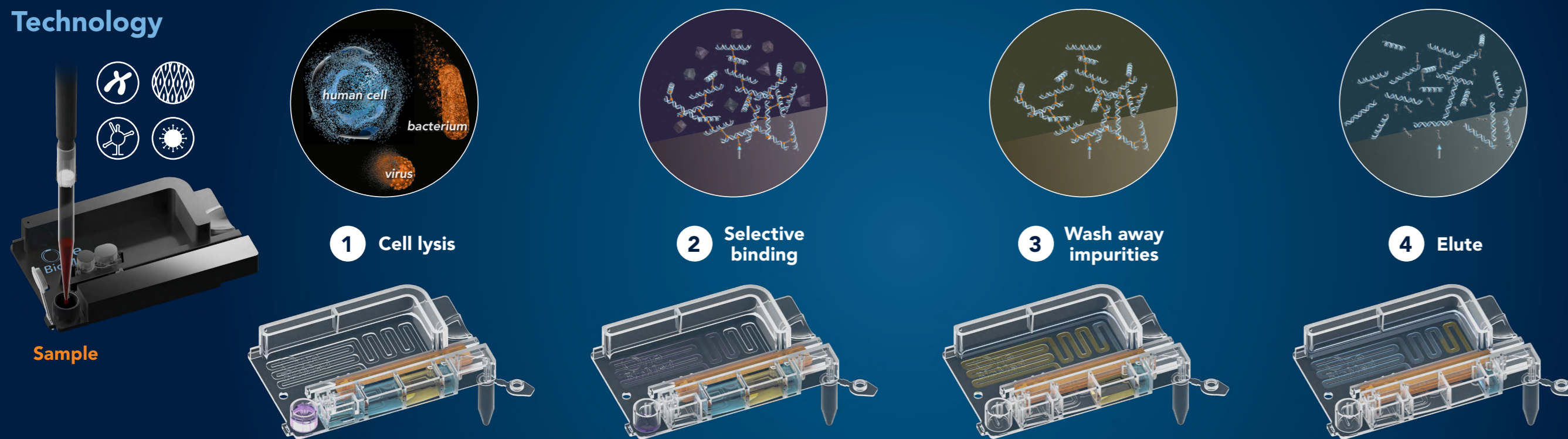
- Detect the presence of pathogens
- Elucidate antibiotic resistance

## Genetic disorders



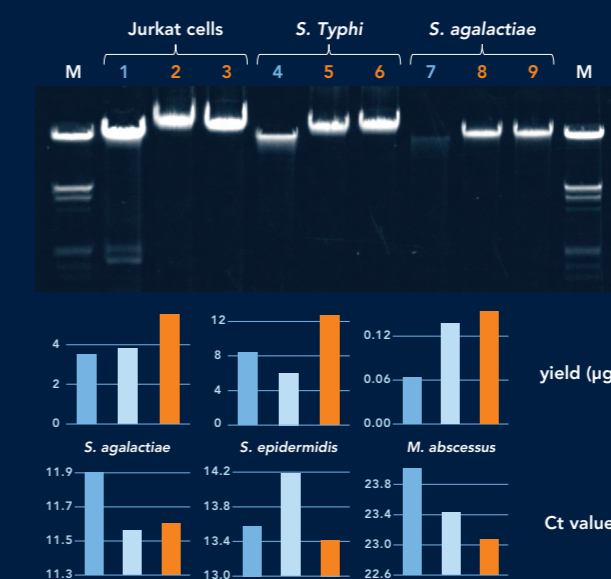
- Classify variants of interest
- Analyze gene mutations

## Technology

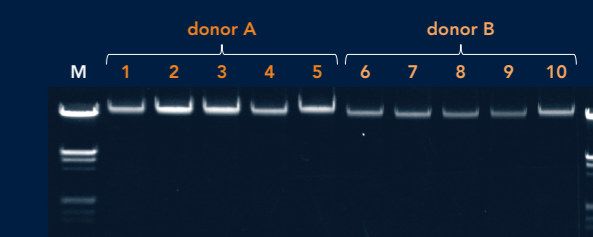


After cell lysis, the reversible crosslinker selectively binds & clusters the released nucleic acids on to the cartridge. Once impurities are washed away & sealed in a built-in waste reservoir, the purified nucleic acids are eluted.

## High yield & reproducible performance with the X8 Genomic DNA Cartridge Kit



T: Agarose gel analysis of purified DNA from cell culture, gram- & gram+ bacteria. B: Quantified DNA yield & RT-PCR data from gram+ bacteria.



Reproducible DNA extraction performance from buffy coat samples using X8. T: Agarose gel analysis; B: RT-PCR data of GAPDH gene.