

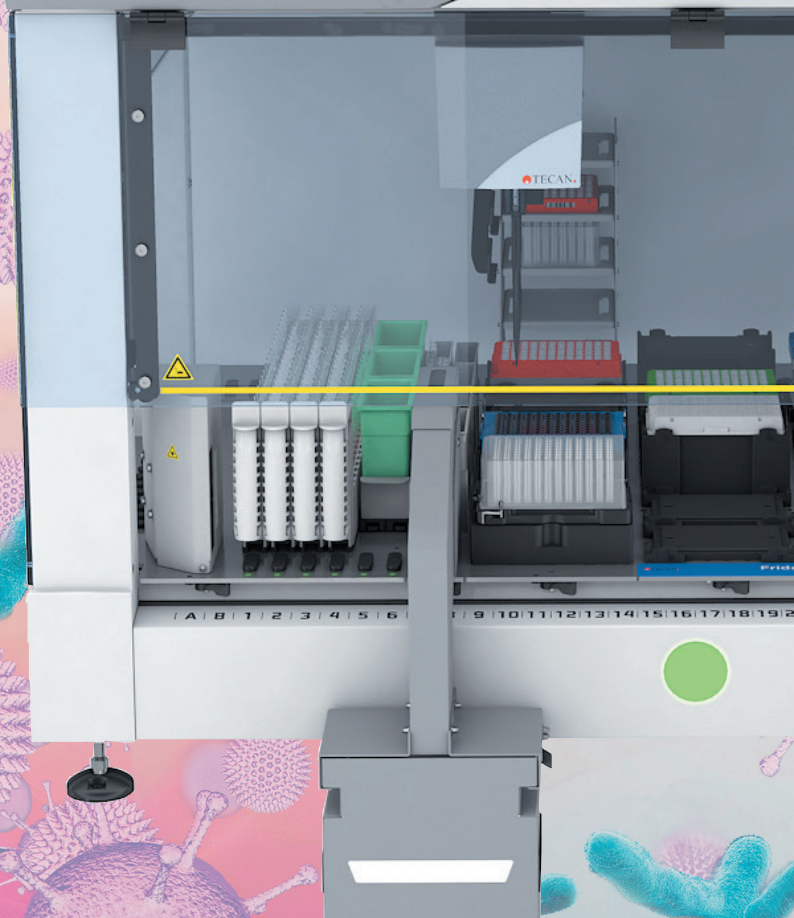
# DreamPrep™ NAP

workstation featuring

Zymo Research.

JUMP START YOUR CURRENT AND  
FUTURE NUCLEIC ACID PROCESSING

FLUENT.



# Let DreamPrep NAP

## work for you.

The DreamPrep NAP workstation featuring Zymo Research can simplify your nucleic acid extraction workflows, today and in the future. Preconfigured, preprogrammed and optimized in close collaboration with Zymo Research, it offers a ready-to-go processing solution for magnetic bead-based extraction workflows with integrated quantification and normalization.

### SIMPLIFY YOUR WORKFLOWS.

Combining the Fluent® Automation Workstation with Fluent GX Assurance Software, DreamPrep NAP is a **fully customizable solution** that provides walkaway processing of magnetic bead-based protocols **to meet your current and future needs.**

This preconfigured, user-oriented system helps you to **get up to speed faster**, allowing you to concentrate on your experiments instead of your automation. Standardized workflows help you to **obtain consistent results** and **minimize the risk of errors**, while reducing training requirements and operator-to-operator variability.

### FREEDOM TO PLAN YOUR NEXT EXPERIMENTS.

The DreamPrep NAP workstation offers walkaway processing with **complete peace of mind**, thanks to its advanced software package:

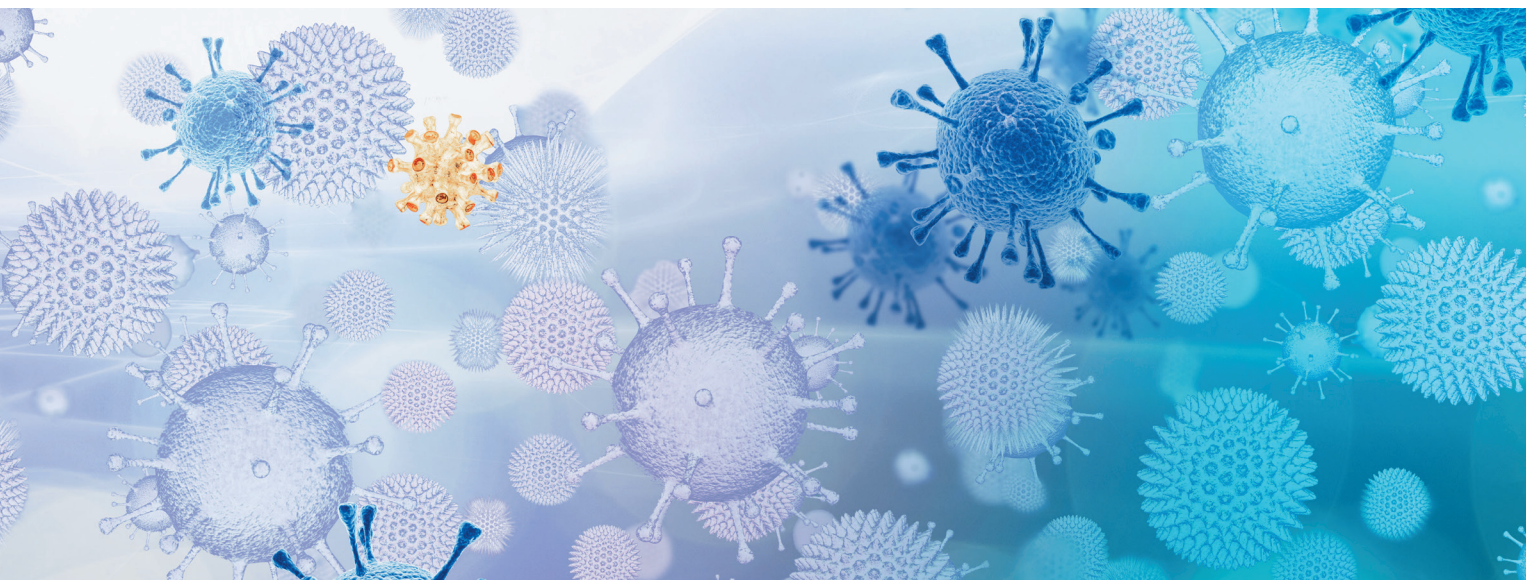
- FluentControl™ for intelligent automated **processing and error handling**
- Fluent GX Assurance Software to ensure **regulatory compliance**
- Introspect™ to understand your **instrument utilization**
- Tecan Connect™ for **remote monitoring**

**UNBIASED  
LYSIS**  
for a true  
representation of  
your samples

**OPTIMIZED  
YIELD AND  
PURITY**  
for a variety of  
sample types

**FLEXIBLE  
PROCESSING**  
of up to  
96 samples  
in a run





**CONSISTENT RESULTS**  
with guided  
touchscreen  
operation

**CUSTOMIZABLE SOLUTION**  
to meet changing  
workflow needs



### **SEQUENCING-READY DNA FROM A VARIETY OF SAMPLES.**

Zymo Research magnetic bead-based extraction kits are designed to **optimize yield and purity** for up to 96 samples in a single run. These automation-friendly kits provide **unbiased extraction** of inhibitor-free nucleic acid samples from a wide range of sample types, **ready for downstream applications, such as sequencing.**

Tecan and Zymo research have co-developed optimized protocols\* for:

- ZymoBIOMICS™ 96 MagBead DNA Kits (Cat. No. D4302 / D4306 / D4308)
- Quick-DNA™ MagBead Plus Kits (Cat. No. D4081 / D4082)
- Quick-DNA/RNA™ Viral MagBead Kits (Cat. No. R2140 / R2141)

\* Please make a copy of these methods in order to customize them to accommodate and validate your workflows according to your desired intended use and laboratory protocols. Tecan makes no claims regarding the performance of the example methods.

### **COMPLETE PEACE OF MIND.**

The ZymoBIOMICS Microbial Community Standard is a pool of 10 different microbial species **designed to assess the bias and sensitivity of workflows in microbiomics and metagenomics studies.** It provides a **straightforward method to validate workflows**, from purification through to NGS results. This microbial standard was used to **validate the automated workflow**, so you can have complete peace of mind.



# Fully integrated, customizable solution.

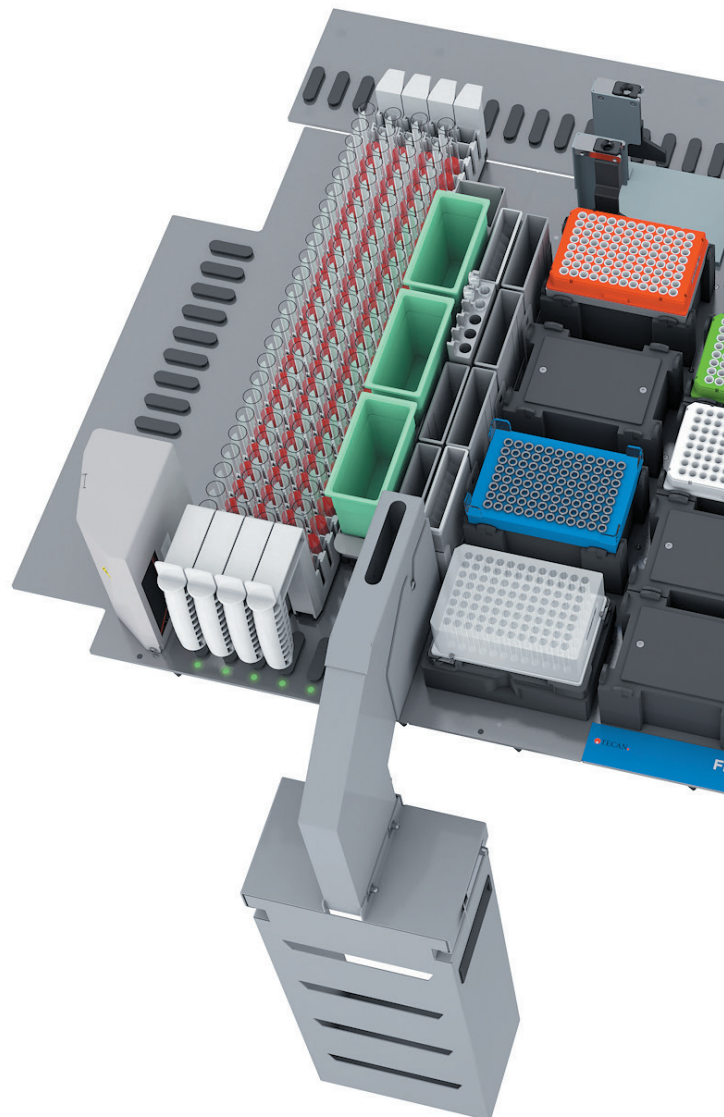
**The DreamPrep NAP workstation featuring Zymo Research brings together all the hardware, software and consumables required for complete, walkaway automation of magnetic-bead based extraction workflows.**

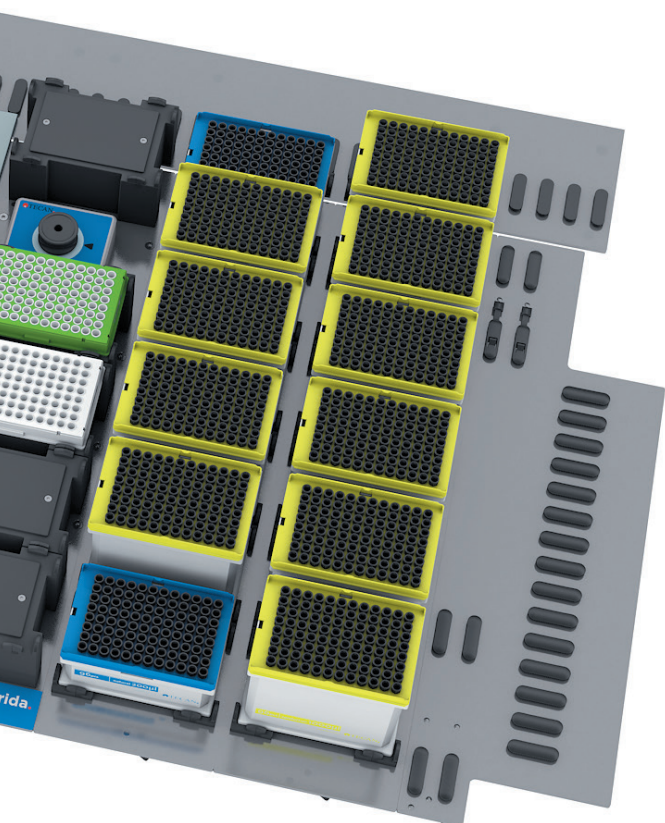
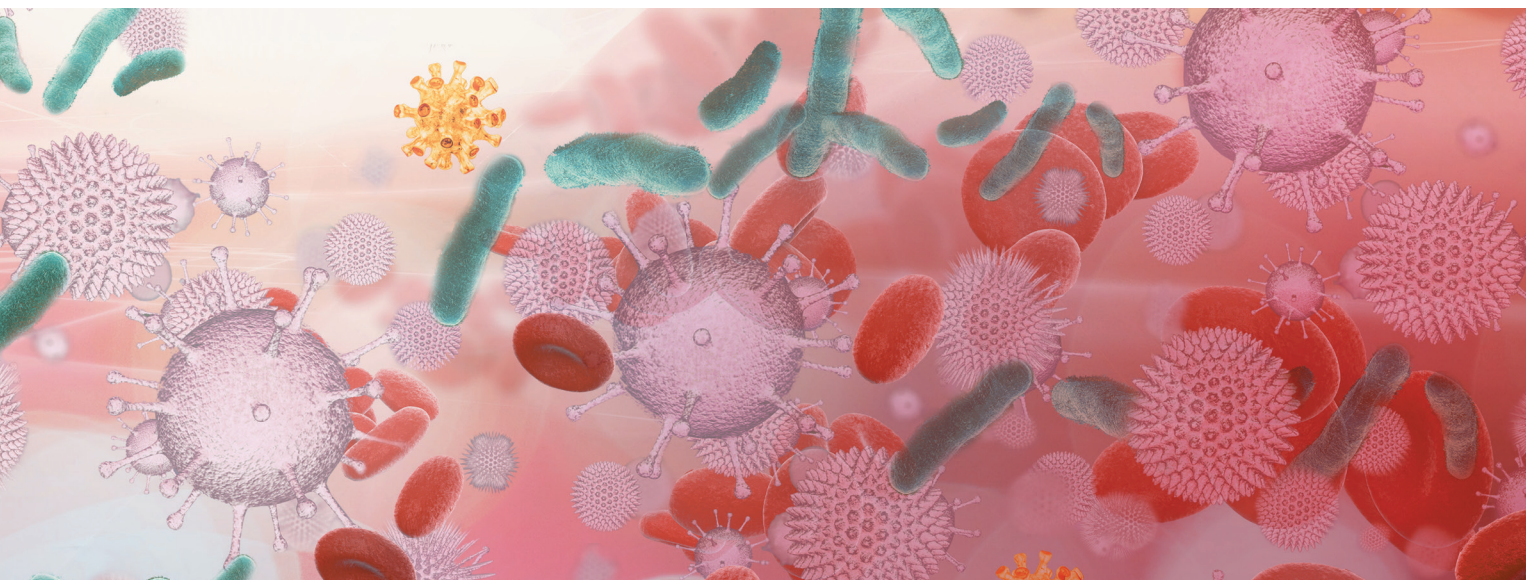
## **STATE-OF-THE-ART AUTOMATION.**

The Fluent 480 Automation Workstation offers high throughput processing in a compact footprint to streamline laboratory workflows. Its air-displacement **Flexible Channel Arm™** (Air FCA) provides 8 independent pipetting channels for efficient liquid handling, while the **Robotic Gripper Arm™** (RGA) can perform logistical tasks in parallel to increase productivity. The system also offers sufficient on-deck capacity for all the disposable tips, reagents and consumables for walkaway processing of up to 96 samples.

## **INTEGRATED QUANTIFICATION AND NORMALIZATION**

Choose a **Frida Reader™** for UV absorbance measurements on the workdeck, or an **Infinite® 200 PRO** reader in M Nano+ configuration integrated below the workdeck, to provide built-in **quantification** and **normalization**.





#### **FULL TRACEABILITY.**

Fluent ID™ allows **rapid sample identification directly in tube racks**, while a handheld Honeywell barcode scanner can be used to log reagent and plate barcodes as they are loaded onto the worktable.

#### **ON-BOARD INCUBATION.**

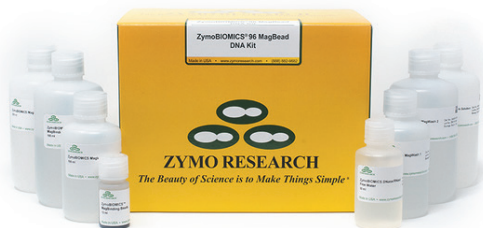
The integrated BioShake™ D30-T elm (QInstruments) has been developed specifically for automation applications, providing **optimized heating and shaking**.

#### **OPTIMIZED MAGNETIC CAPTURE.**

The Magnum FLX® Enhanced Universal Magnet Plate (Alpaqua) uses proprietary, solid-core ring magnets to ensure rapid, effective magnetic bead capture for samples to **maximize recovery rates**.

# Zymo Research kits.

**Zymo Research DNA and RNA purification kits include all the reagents necessary to isolate high quality DNA/RNA easily and reliably from biological fluids, cultured cells, tissues, and other sample types. The Zymo Research purification kits feature a simple bind-wash-elute protocol that ensures DNA is ready for sensitive downstream applications, such as qPCR, next generation sequencing, arrays and methylation analysis.**



## **ZymoBIOMICS 96 MAGBEAD DNA KITS**

(Cat. no. D4302 / D4306 / D4308)

ZymoBIOMICS DNA kits offer efficient and unbiased lysis of Gram-positive and negative bacteria, fungi, protozoans and viruses, generating nucleic acid samples ready for immediate microbiome or metagenome analysis. The simple workflow has been fully automated and optimized to ensure inhibitor-free DNA – even for very low abundance organisms – from feces, soil, water, biofluids, biofilms, etc.



## **Quick-DNA MAGBEAD PLUS KITS**

(Cat. no. D4081 / D4082)

The easiest method for high throughput total genomic, mitochondrial or viral DNA extraction, these kits yield ultra-pure and concentrated genomic DNA (>50 kb) ready for quantification or library preparations. Kits include DNA/RNA Shield to stabilize samples at collection, which does not need to be removed prior to extraction.



## **Quick-DNA/RNA VIRAL MAGBEAD KITS**

(Cat. no. R2140 / R2141)

These kits provide a high throughput solution for extracting both DNA and RNA from viral samples, including plasma, serum, urine, blood, cell culture media, etc. Specific lysis of viral particles allows purification of nucleic acids from as little as 60 viral copies.

# Increased productivity with intuitive software.

## FLUENT GX ASSURANCE SOFTWARE

FluentControl is designed to empower scientists to build, optimize and maintain their own assays, without the need for computer programming expertise. By separating the touchscreen-based everyday workflow interactions from the configuration of new assays on a PC, Tecan has created ideal tools for both.

The Fluent Gx Assurance Software offers advanced features to streamline regulatory activities, helping laboratories to demonstrate compliance with minimal manual input.



### Introspect

Get valuable insights on your instrument usage and availability to shape future automation needs, with real-time data on uptime, consumables consumption and run success rates.



### Tecan Connect

Take a break or plan your next experiment while monitoring your instrument on your smartphone with the Tecan Connect mobile app. Connect is a cloud-based laboratory automation monitoring app that is designed to work with all Fluent and Freedom EVO® instruments.

