

VIAFLO 96 | VIAFLO 384

24, 96 and 384 Channel Handheld Electronic Pipettes
Versatile and Productive



24, 96 and 384
channels available

Handheld or Hands-free
operating modes

24 to 1536
well microplates

VERSATILE AND PRODUCTIVE



VIAFLO 96 | VIAFLO 384

24, 96 and 384 channel handheld electronic pipettes

Microplates are commonly used throughout the life sciences sector, as labs try to increase throughput and reduce costs. Tasks such as reagent addition, plate replication and sample dilution routinely require aspiration or dispensing in every well of a plate, so if you're still using an 8, 12 or 16 channel pipette for these applications, then let INTEGRA show you a better way.

VIAFLO 96 and **VIAFLO 384** allow you to pipette 24, 96 or 384 channels in a single step, with the same intuitive ease of use as a handheld electronic pipette. With a choice of up to 10 interchangeable pipetting heads and up to three microplate positions on the deck, this can help you to significantly increase your throughput and reproducibility, without the cost or complexity of laboratory robots. The systems even offer a hands-free automatic mode, helping to ensure protocols are performed in the same way each time.

“The VIAFLO 96 | VIAFLO 384 has significantly improved the accuracy and reproducibility of our pipetting; there is no human hand that can manually pipette into a 384 well plate with the same accuracy.”



Dr. Wissam Mansour
Anima Biotech,
Israel



* shown with optional three position stage

VIAFLO 96

If you routinely fill 24 or 96 well microplates with buffers or reagents, then the **VIAFLO 96** is for you. This handheld pipette is designed to fit on any lab bench, offering simultaneous pipetting for 24 or 96 channels. As easy to use as a traditional handheld pipette, it can streamline your routine pipetting while ensuring superior accuracy.



VIAFLO 384

Assay miniaturization has helped many labs to drive down costs and increase throughput, but manual pipetting into 384 or 1536 well plates can be tedious and error prone. The **VIAFLO 384** overcomes this issue, using a 384 channel head, bringing the same speed and convenience offered by the popular **VIAFLO 96** to higher density plate formats – as well as giving you the flexibility to fill 24 or 96 well plates.

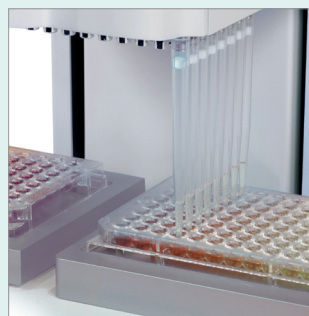
Accelerated workflows

The combination of ease of use and advanced pipetting features in **VIAFLO 96** and **VIAFLO 384** make them ideal for:



Reservoir to plate transfers

- Compound addition
- Medium exchange
- Cell seeding
- Addition of buffers and reagents



Sample transfers within plates

- Serial dilutions
- Mixing and resuspension

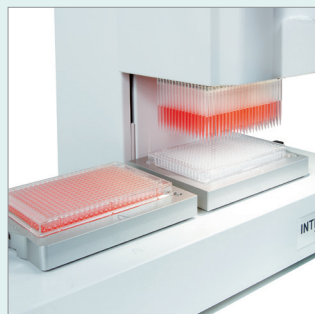
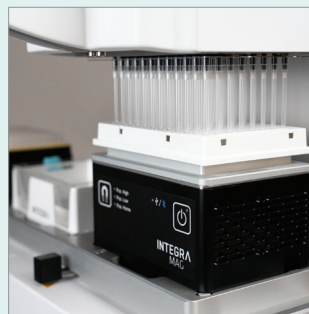


Plate-to-plate transfers

- Plate duplication
- Supernatant transfers/collections
- Plate reformatting

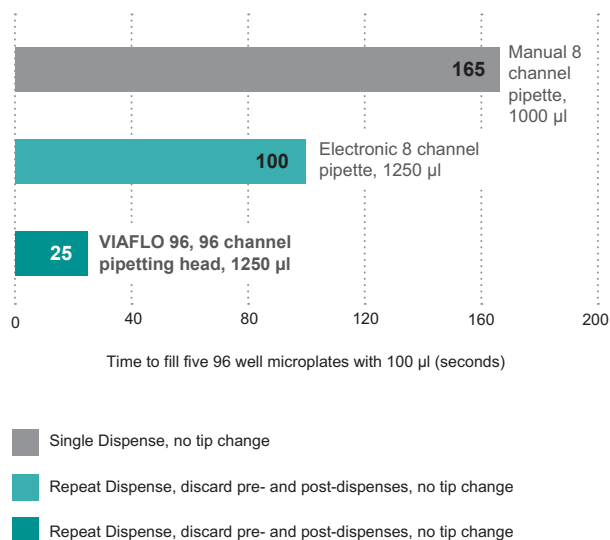


Magnetic bead purifications with MAG modules

- PCR, NGS library clean-ups
- DNA/RNA extraction

Accelerated pipetting

VIAFLO 96 and **VIAFLO 384** offer unmatched speed when transferring 24, 96, or 384 samples at once – approximately 4x faster than an electronic 8 channel pipette. This set-up provides better accuracy and precision while minimizing the risk of pipetting errors. To further increase pipetting speeds, you can even set multiple exact aspiration and dispense heights, helping you to avoid disturbing cell layers or precipitates and preventing the pipette tips from impacting the bottom of a plate. The system even offers an automatic pipetting mode and password protection for programs, helping to ensure SOPs are followed precisely, and simplifying operation where space is restricted.



Did you know?

The **VIAFLO 96** and **VIAFLO 384** offer a hands-free automatic mode to ensure that tasks are performed the same every single time.

Intuitive operation – handheld or hands-free

A key benefit of the **VIAFLO 96** and **VIAFLO 384** is that they are so easy to use without special training or programming expertise. Simply grip the handle and move the pipetting head as effortlessly as a single channel pipette. Or take advantage of the hands-free automatic mode for maximum reproducibility, especially in tight spaces such as a laminar flow cabinet.

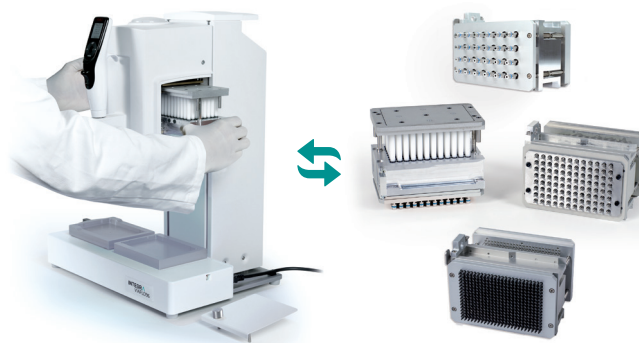
Simple handling – up to three deck positions

Each instrument offers a choice of 10 predefined pipetting modes to help you perform common liquid handling tasks. Or you can use the touch wheel-controlled graphical user interface to build programs to suit your lab's individual workflows. Up to three working positions are available to greatly increase productivity and reduce the time spent moving labware onto and off of the instrument.



Choice of pipetting heads

VIAFLO 96 and **VIAFLO 384** are available with a number of user-exchangeable pipetting heads, making it easy to adapt the instrument to your different workflows. Simply select the number of channels to match your application, and install your head in under one minute! Each channel has its own precise piston and seal. This eliminates cross-channel influences to deliver error-free pipetting for complete or partial plates.

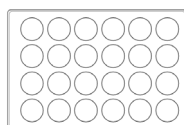


24 Channel Pipetting Heads

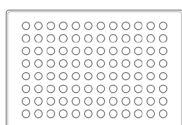
(for VIAFLO 96 and VIAFLO 384)



Compatible plates:



24



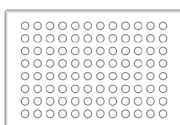
96

96 Channel Pipetting Heads

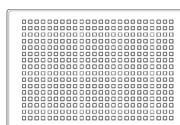
(for VIAFLO 96 and VIAFLO 384)



Compatible plates:



96



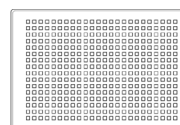
384

384 Channel Pipetting Heads

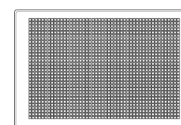
(only for VIAFLO 384)



Compatible plates:



384



1536



Space-saving design

The system's compact benchtop design takes up minimal space, and fits into most laminar flow hoods. Each system features two or three positions for labware. A variety of interchangeable plate holders are available to suit your application – including a sliding, three-position stage for SLAS-format plates – and up to 8 microplates can be stacked on each position to further extend the flexibility of the system.



GRIPTIPS® for reliable pipetting results

The **VIAFLO 96** and **VIAFLO 384** feature INTEGRA's advanced GRIPTIP system, which ensures perfect alignment and eliminates the risk of loose or leaking tips. These high quality tips provide a perfect seal and are comfortably loaded and ejected without any physical effort due to a power assisted mechanism activated by a push button. They are available in a range of volumes – as well as sterile filtered configurations – to suit your application.

Plate holder options

VIAFLO 96 and **VIAFLO 384** feature two deck positions (A and B) to accommodate different plate holders. They can be removed and replaced by another option any time to adapt the instrument to various application requirements.



| Part no. | Description | Suitable for | | Offset* | Comments |
|----------|--|-----------------|--------------|---------|--|
| | | No. of channels | Position | | |
| 6205 | Standard plate holder | 24, 96 | A or B | no | For simple 24, 96 and 384 transfers |
| 6210 | Plate holder with slide function | 24, 96 | A or B | 384 | Grid offset to access 384 well plate with 96-channels |
| 6215 | Spring loaded plate holder with slide function | 24, 96, 384 | A | 384 | Spring to secure well plate in place, for postion A |
| 6220 | Spring loaded plate holder with slide function | 24, 96, 384 | B | 384 | Spring to secure well plate in place, for postion B |
| 6221 | Row dilution plate holder | 24, 96, 384 | A or B | no | Enables serial dilution in rows |
| 6222 | Plate holder for 24 well plate | 24 | A or B | 96 | Needed to load from 96 tip racks |
| 6223 | Adjustable spring loaded plate holder | 96, 384 | A | 384 | Spring to secure well plate in place, adjustable in Y direction, for postion A |
| 6224 | Adjustable spring loaded plate holder | 96, 384 | B | 384 | Spring to secure well plate in place, adjustable in Y direction, for postion B |
| 6225 | Adjustable spring loaded plate holder | 384, 1536 | A | 1536 | Spring to secure well plate in place, adjustable in Y direction, for postion A |
| 6226 | Adjustable spring loaded plate holder | 384, 1536 | B | 1536 | Spring to secure well plate in place, adjustable in Y direction, for postion B |
| 6230 | Three position stage | 96, 384 | both A and B | 384 | Spring to secure well plate in place, occupies both deck postions A and B |

* grid offset to access a) 96 wells with 24-channel head b) 384 wells with 96-channel head and c) 1536 wells with 384-channel heads



Did you know?

Streamline magnetic bead purifications

MAG and HEATMAG modules are user-friendly solutions for efficient magnetic bead purification. In combination with the **VIAFLO 96** and **VIAFLO 384** productivity can be boosted by cleaning-up 24, 96 or 384 samples simultaneously. Their strong magnets are moving vertically by pushing a button. This enables fast bead collection with minimal bead loss for high yields.



Ordering information

Visit the *parts and numbers* section on our website to view all available accessories and consumables.

1. Choose a base instrument

| Description | Part no. |
|---|----------|
| VIAFLO 96 – 24 and 96 channel handheld pipette | 6001 |
| VIAFLO 384 – 24, 96, and 384 channel handheld pipette | 6031 |

2. Select one or more pipetting heads

| Part no. | 6123 | 6124 | 6101 | 6106 | 6102 | 6103 | 6104 | 6131 | 6136 | 6132 |
|--------------------------|-------------|--------------|---------------|-----------|------------|-------------|--------------|---------------|-----------|------------|
| No. of channels | 24 | | 96 | | | | | 384 | | |
| Volume range | 10 – 300 µl | 50 – 1250 µl | 0.5 – 12.5 µl | 2 – 50 µl | 5 – 125 µl | 10 – 300 µl | 50 – 1250 µl | 0.5 – 12.5 µl | 2 – 50 µl | 5 – 125 µl |
| Accuracy | ± 1.2 % | ± 1.8 % | ± 1.5 % | ± 1.5 % | ± 1.5 % | ± 1.2 % | ± 1.8 % | ± 1.5 % | ± 1.5 % | ± 1.5 % |
| Precision | ≤ 0.8 % | ≤ 0.8 % | ≤ 1.0 % | ≤ 1.0 % | ≤ 1.0 % | ≤ 0.8 % | ≤ 0.8 % | ≤ 1.0 % | ≤ 1.0 % | ≤ 1.0 % |
| VIAFLO 96 compatibility | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | - |
| VIAFLO 384 compatibility | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

Specifications presented for nominal volume. Please refer to our website for a complete list of specifications.

3. Add one plate holder for each deck position on A and B – For more plate holder options, please refer to our website.

| Description | Part no. |
|---|----------|
| Standard Plate Holder – For 24 and 96 channel applications | 6205 |
| Plate Holder with slide function – For plate reformatting 96 well ↔ 384 well | 6210 |
| Spring Loaded Plate Holder A with slide function – Recommended for 384 well applications and plate reformatting | 6215 |
| Spring Loaded Plate Holder B with slide function – Recommended for 384 well applications and plate reformatting | 6220 |
| Three Position Stage (occupies both deck positions A and B) – Suitable for 96 and 384 well applications | 6230 |

4. Add MAG modules for use with VIAFLO 96 and VIAFLO 384

| Description | Part no. |
|--|----------|
| MAG module for magnetic separation | 4900 |
| HEATMAG module for heating and magnetic separation | 4901 |
| Adapter for 1.5 ml tubes, (MAG / HEATMAG) | 4905 |
| Adapter for 96 well PCR plates (MAG / HEATMAG) | 4906 |
| Adapter 384 well PCR plates (MAG / HEATMAG) | 4908 |

5. Add GRIPTIPS for use with VIAFLO 96 and VIAFLO 384

| Description | Part no. |
|---|----------|
| For part no. please refer to our website (www.integra-biosciences.com/GRIPTIPS) | |



| Technical data | VIAFLO 96 | VIAFLO 384 |
|------------------------|--|---|
| Channels | 24, 96 | 24, 96, 384 |
| Compatible plates | 24, 96, 384 shallow and deep well | 24, 96, 384, 1536* shallow and deep well |
| Weight (base only) | 25.7 kg (56.7 lbs) | 27.7 kg (61.1 lbs) |
| Dimensions (W x D x H) | 42 cm x 30 cm x 54 cm (17" x 12" x 21") | |
| Pipetting technology | air displacement | |
| Operating conditions | Temperature: 5 °C – 40 °C, Humidity: < 85 % non-condensing | |
| Power requirements | 100 – 240 VAC, 50/60 Hz | |

*1536 only with VIAFLO 384 and 384-channel head



Contact us:

