

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| Product Name:           | NEST Automation Tips                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |
| Product Application:    | It can be used for research and development and other commonly used applications with needs of high-throughput pipetting in genomics, proteomics, cytomics, immunoassays, metabolomics, biopharmaceuticals.<br><div>1. NEST Automatic Tips have two types: clear and black.</div> <div>2. Tecan automation tips may be used with the TECAN Freedom EVOlyzers and fully automatic sampling systems.</div> <div>3. Hamilton automation conductive tips are used in conjunction with Hamilton series workstations.</div> <div>4. Beckman robotic tips are used in Beckman FX/NX,Biomek i5/ i7 and Biomek 3000.</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |
| Product Materials:      | Medical-grade polypropylene (PP)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |
| product Specifications: | Temperature range: stored at room temperature<br>Shelf life: 3 Years after date of production ( ensure package is in good )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |
| Sterilization:          | Yes.<br>Sterilized by E-beam, Sterility Assurance Level: SAL=10 <sup>-6</sup> . The product has been irradiated and dosimetrically released based on ANSI/AAMI/ISO 11137 (TIR 33)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |
| Pyrogens:               | Non-Pyrogenic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |
| RNase/DNase:            | DNase/RNase free                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |
| BSE/TSE:                | These products are deemed animal free.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |
| Performance Testing:    | Each manufacturing lot is sampled and tested in accordance with standard operating procedures.<br><div>Appearance inspection: qualified</div> <div>Air tightness test: qualified</div> <div>Tests for resistance and CV values: qualified</div> <div>Packaging inspection: qualified</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |
| Features                | <div>1. Medical-grade polypropylene (PP) materials is Imported and selected strictly accordance with the industry requirements to ensure the stability of materials between batches.</div> <div>2. The production is produced automatically in one hundred thousand level purification workshops, to ensure no DNA, RNA, proteases and pyrogens.Tips are packed in separate cavities with uniform conductivity: tips of each box share the same cavity number to ensure the product traceability and the conductivity uniformity and to improve the accuracy of experimental results, greatly reducing the difference between individual products.</div> <div>3. The process technology is unique, to ensure that the Tips has a smooth inner surface, greatly reducing the amount of liquid residue.</div> <div>4. Compatible with a variety of automated sample processing platforms. The structure drawing test is according to the original adaptor, with a mature injection molding process, to ensure that the product has good air tightness and adaptability, improve the product in the work of mechanical accuracy.</div> <div>5. The control is strictly, to according to customer's needs for effective quality inspection, with no DNA, RNA, protease and heat source testing, sterility testing, etc.</div> |  |  |

6. Air tightness detection: the precision detector is used to check the air tightness between the Tips and the adapter, to ensure that each batch of products have good air tightness.
7. The test equipment is used online to control the size and concentricity of products in production line, saving time and improving product quality.
8. There are two styles with and without filter. The Automatic Filter Tips are filtered through porous tissue to ensure optimal performance and is extremely hydrophobic, forming a robust barrier against aerosols and eliminating the risk of cross-contamination of the sample.
9. Strong package: the high-strength blister card outer package with thickened wall, which is impact-resistant and dropping-resistant, ensures the integrity and safety of the product under harsh transport conditions.

#### **NEST Automatic Tips have two types**

##### **NEST Automation Conductive Tips:**

- NEST Automation black Conductive Tips are made of Medical-grade black conductive polypropylene (PP) materials
- Tests for resistance and CV values: a certain number of products are sampled for each batch for inspection, which is conducted using precise and unique measuring tools to ensure the accuracy and reliability of the test results to ensure the uniform conductivity of products.

##### **NEST Automatic Transparent Tips:**

- NEST Automatic transparent Tips are made of polymer material polypropylene (PP), and the surface is treated with a special process to have high hydrophobicity.
- The automatic transparent tip is carefully made for special purposes and is designed to bring more efficient efficiency and repeatability to your work.

#### **Types of Packaging**

#### **There are two packaging methods: Blister Package and Plastic Rack**

##### **Blister Package:**

Sheet is a new kind of materials developed in recent years, with its good toughness, high strength, high transparency, and can be recycled, combustion does not produce harmful gases, excellent environmental performance and convenient user use, suction head new NEST conductive immovable blister, blister process will be transparent plastic plate made specific convex shape of transparent plastic, cover on the surface of the product, protect, and beautify the role of the product.

1. It has good transparency and smoothness, and good display effect.
2. With good mechanical strength, bubble shell material outer packaging, wall thickness size, anti-impact, anti-drop, to ensure the integrity and safety of the product under harsh transportation conditions.
3. Good barrier performance for oxygen and water vapor
4. Good chemical resistance can withstand a variety of chemical material erosion.
5. Non-toxic, reliable health performance can be used for food, medicine, and medical

#### **Head Office**

No. 530, Xida Road, Meicun Industrial Park, Xinwu District, Wuxi,  
Jiangsu, China  
Tel: +86+ 510-6800 6788 Email: [info@nest-wuxi.com](mailto:info@nest-wuxi.com)  
Online: [www.cell-nest.com](http://www.cell-nest.com)

#### **Oversea**

NEST USA (New Jersey/ Phoenix)  
NEST scientific 株式会社 (Yokohama, Japan)  
NEST Scientific Europe B.V (Netherlands)  
Nest Scientific (MENA) FZE (Sharjah, United Arab  
Emirates)

equipment packaging, and can tolerate gamma ray disinfection of its packaging items.

6. Good adaptability to environmental protection, can be economical and convenient recycling, do not produce harmful substances harmful to the environment.

7. The thermal forming performance is good, and the ordinary sheet material, in line with the environmental protection requirements of an ideal packaging material.

8. Convenient for users in the automation of large quantities of high efficiency.

**Plastic Racked:**

1. The plastic box is made of high-strength PP material, which has good strength and is not easy to deform.

2. The product size conforms to the industry SBS size standard and is suitable for a variety of automated pipetting workstation platforms.

3. Plastic boxed suction heads solve the unmanned contact needs of special application enterprises, avoid hand contact, reduce pollution risks, and improve work efficiency.

4. No DNA/RNase, no endotoxin

## Product Range

| Automation Conductive Tips for Tecan, Black                                         |          |                                                                                             |                                |
|-------------------------------------------------------------------------------------|----------|---------------------------------------------------------------------------------------------|--------------------------------|
| Images                                                                              | Cat. No. | Product Description                                                                         | Packing                        |
|  | 332002   | 50 µl Automation Tips for Tecan, Conductive, Black, Sterile, Blister Packed                 | 96 Tips*2 Blisters/pk, 2304/cs |
|                                                                                     | 332012   | 50 µl Automation <b>Filter</b> Tips for Tecan, Conductive, Black, Sterile, Blister Packed,  | 96 Tips*2 Blisters/pk, 2304/cs |
|                                                                                     | 332102   | 200 µl Automation Tips for Tecan, Conductive, Black, Sterile, Blister Packed                | 96 Tips*2 Blisters/pk, 2304/cs |
|                                                                                     | 332112   | 200 µl Automation <b>Filter</b> Tips for Tecan, Conductive, Black, Sterile, Blister Packed  | 96 Tips*2 Blisters/pk, 2304/cs |
|                                                                                     | 332202   | 1000 µl Automation Tips for Tecan, Conductive, Black, Sterile, Blister Packed               | 96 Tips*2 Blisters/pk, 2304/cs |
|                                                                                     | 332212   | 1000 µl Automation <b>Filter</b> Tips for Tecan, Conductive, Black, Sterile, Blister Packed | 96 Tips*2 Blisters/pk, 2304/cs |
|                                                                                     | 332016   | 50 µl Automation <b>Filter</b> Tips for Tecan, Conductive, Black, Sterile, Box-packed       | 96 /pk, 4800/cs                |

### Head Office

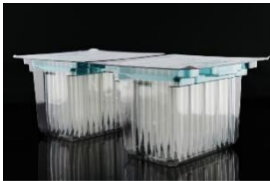
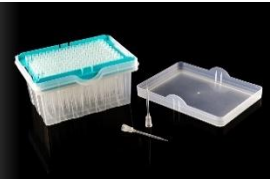
No. 530, Xida Road, Meicun Industrial Park, Xinwu District, Wuxi, Jiangsu, China  
Tel: +86+ 510-6800 6788 Email: [info@nest-wuxi.com](mailto:info@nest-wuxi.com)  
Online: [www.cell-nest.com](http://www.cell-nest.com)

### Oversea

NEST USA (New Jersey/ Phoenix)  
NEST scientific 株式会社 (Yokohama, Japan)  
NEST Scientific Europe B.V (Netherlands)  
Nest Scientific (MENA) FZE (Sharjah, United Arab Emirates)

|  |        |                                                                                         |                 |
|--|--------|-----------------------------------------------------------------------------------------|-----------------|
|  | 332116 | 200 µl Automation <b>Filter</b> Tips for Tecan, Conductive, Black, Sterile, Box-packed  | 96 /pk, 4800/cs |
|  | 332216 | 1000 µl Automation <b>Filter</b> Tips for Tecan, Conductive, Black, Sterile, Box-packed | 96 /pk, 4800/cs |

## Automation Tips for Tecan, Clear

|                                                                                     |        |                                                                                 |                                |
|-------------------------------------------------------------------------------------|--------|---------------------------------------------------------------------------------|--------------------------------|
|    | 332003 | 50 µl Automation Tips for Tecan, Clear, Sterile, Blister Packed                 | 96 Tips*2 Blister/pk, 2304/cs  |
|                                                                                     | 332013 | 50 µl Automation <b>Filter</b> Tips for Tecan, Clear, Sterile, Blister Packed,  | 96 Tips*2 Blisters/pk, 2304/cs |
|                                                                                     | 332103 | 200 µl Automation Tips for Tecan, Clear, Sterile, Blister Packed                | 96 Tips*2 Blisters/pk, 2304/cs |
|                                                                                     | 332113 | 200 µl Automation <b>Filter</b> Tips for Tecan, Clear, Sterile, Blister Packed  | 96 Tips*2 Blisters/pk, 2304/cs |
|                                                                                     | 332203 | 1000 µl Automation Tips for Tecan, Clear, Sterile, Blister Packed,              | 96 Tips*2 Blisters/pk, 2304/cs |
|                                                                                     | 332213 | 1000 µl Automation <b>Filter</b> Tips for Tecan, Clear, Sterile, Blister Packed | 96 Tips*2 Blisters/pk, 2304/cs |
|  | 332007 | 50 µl Automation Tips for Tecan, Clear, Sterile, Racked,                        | 96/pk, 4800/cs                 |
|                                                                                     | 332017 | 50 µl Automation <b>Filter</b> Tips for Tecan, Clear, Sterile, Racked           | 96/pk, 4800/cs                 |
|                                                                                     | 332107 | 200 µl Automation Tips for Tecan, Clear, Sterile, Racked                        | 96/pk, 4800/cs                 |
|                                                                                     | 332117 | 200 µl Automation <b>Filter</b> Tips for Tecan, Clear, Sterile, Racked          | 96/pk, 4800/cs                 |
|                                                                                     | 332207 | 1000 µl Automation Tips for Tecan, Clear, Sterile, Racked                       | 96/pk, 4800/cs                 |
|                                                                                     | 332217 | 1000 µl Automation <b>Filter</b> Tips for Tecan, Clear, Sterile, Racked         | 96/pk, 4800/cs                 |

## Automation Conductive Tips for Hamilton, Black

|  |        |                                                                              |                                |
|--|--------|------------------------------------------------------------------------------|--------------------------------|
|  | 345002 | 50 µl Automation Tips for Hamilton, Conductive, Black, Sterile               | Blister Packed, 96/pk, 2304/cs |
|  | 345012 | 50 µl Automation <b>Filter</b> Tips for Hamilton, Conductive, Black, Sterile | Blister Packed, 96/pk, 2304/cs |

## Head Office

No. 530, Xida Road, Meicun Industrial Park, Xinwu District, Wuxi, Jiangsu, China  
 Tel: +86+ 510-6800 6788 Email: [info@nest-wuxi.com](mailto:info@nest-wuxi.com)  
 Online: [www.cell-nest.com](http://www.cell-nest.com)

## Oversea

NEST USA (New Jersey/ Phoenix)  
 NEST scientific 株式会社 (Yokohama, Japan)  
 NEST Scientific Europe B.V (Netherlands)  
 Nest Scientific (MENA) FZE (Sharjah, United Arab Emirates)

|  |        |                                                                                                             |                                                |
|--|--------|-------------------------------------------------------------------------------------------------------------|------------------------------------------------|
|  | 345102 | 300 µl Automation Tips for Hamilton, Conductive, Black, Sterile                                             | Blister Packed, 96/pk, 2304/cs                 |
|  | 345112 | 300 µl Automation <b>Filter</b> Tips for Hamilton, Conductive, Black, Sterile                               | Blister Packed, 96/pk, 2304/cs                 |
|  | 345202 | 1000 µl Automation Tips for Hamilton, Conductive, Black, Sterile                                            | Blister Packed, 96/pk, 2304/cs                 |
|  | 345212 | 1000 µl Automation <b>Filter</b> Tips for Hamilton, Conductive, Black, Sterile                              | Blister Packed, 96/pk, 2304/cs                 |
|  | 345013 | 50 µl Automation <b>Filter</b> Tips for Hamilton, Conductive, Black, with Barcode, Sterile                  | Blister Packed, 96/pk, 2304/cs                 |
|  | 345113 | 300 µl Automation <b>Filter</b> Tips for Hamilton, Conductive, Black, with Barcode, Sterile                 | Blister Packed, 96/pk, 2304/cs                 |
|  | 345213 | 1000 µl Automation <b>Filter</b> Tips for Hamilton, Conductive, Black, with Barcode, Sterile                | Blister Packed, 96/pk, 2304/cs                 |
|  | 345015 | 50 µl Automation <b>Filter</b> Tips for Hamilton, Conductive, Black, with Barcode, Sterile,                 | Blister Packed, 96 Tips*5 Blisters/pk, 5760/cs |
|  | 345005 | 50 µl Robotic Tips for Hamilton, Conductive, with Barcode, Sterile                                          | 96 Tips*5 Blisters/pk, 5760/cs                 |
|  | 345115 | 300 µl Automation <b>Filter</b> Tips for Hamilton, Conductive, Black, with Barcode, Sterile, Blister Packed | 96 Tips*5 Blisters/pk, 5760/cs                 |
|  | 345105 | 300 µl Robotic Tips for Hamilton, Conductive, with Barcode, Sterile                                         | 96 Tips*5 Blisters/pk, 5760/cs                 |
|  | 345215 | 1000 µl Automation <b>Filter</b> Tips for Hamilton, Conductive, Black, with Barcode, Sterile,               | Blister Packed, 96 Tips*5 Blisters/pk, 3840/cs |
|  | 345205 | 1000 µl Robotic Tips for Hamilton, Conductive, with Barcode, Sterile                                        | 96 Tips*5 Blisters/pk, 3840/cs                 |

| Automation Tips for Hamilton, Clear |        |                                                                                |                                |
|-------------------------------------|--------|--------------------------------------------------------------------------------|--------------------------------|
|                                     | 345503 | 50 µl Automation Tips for Hamilton, Clear, Sterile, with Barcode               | Blister Packed, 96/pk, 2304/cs |
|                                     | 345513 | 50 µl Automation <b>Filter</b> Tips for Hamilton, Clear, Sterile, with Barcode | Blister Packed, 96/pk, 2304/cs |
|                                     | 345603 | 300 µl Automation Tips for Hamilton, Clear, Sterile, with Barcode              | Blister Packed, 96/pk, 2304/cs |

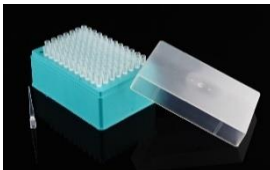
## Head Office

No. 530, Xida Road, Meicun Industrial Park, Xinwu District, Wuxi, Jiangsu, China  
 Tel: +86+ 510-6800 6788 Email: [info@nest-wuxi.com](mailto:info@nest-wuxi.com)  
 Online: [www.cell-nest.com](http://www.cell-nest.com)

## Oversea

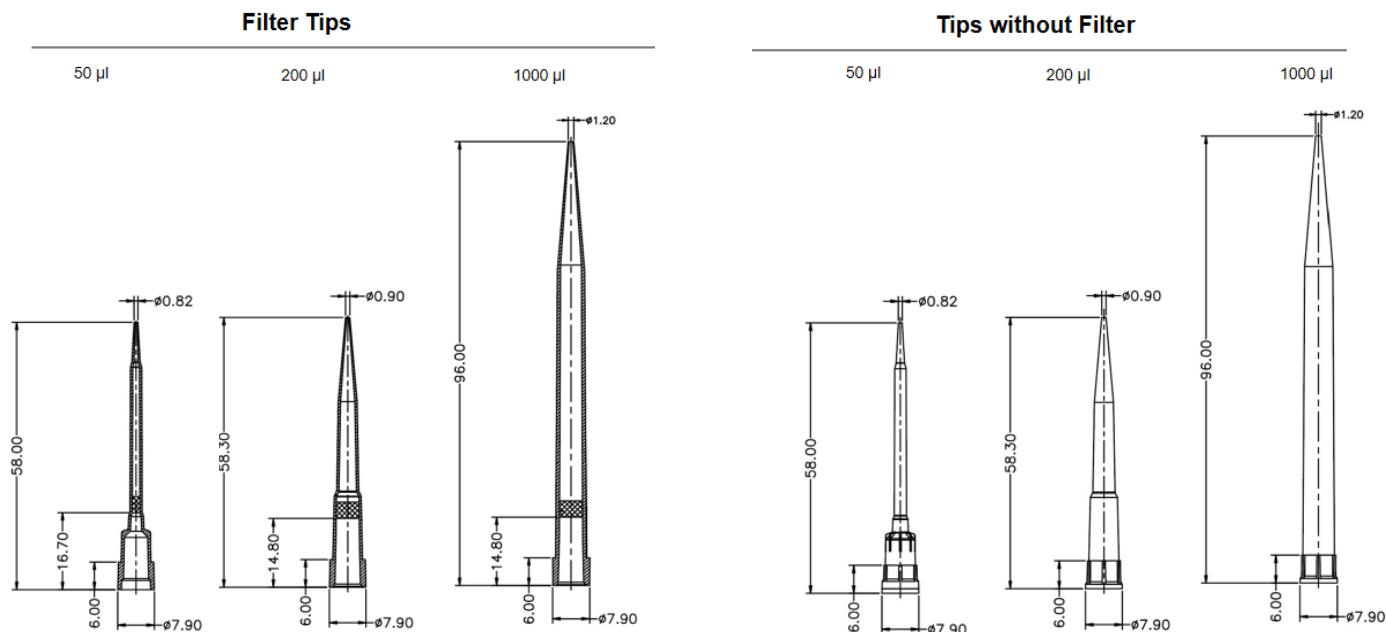
NEST USA (New Jersey/ Phoenix)  
 NEST scientific 株式会社 (Yokohama, Japan)  
 NEST Scientific Europe B.V (Netherlands)  
 Nest Scientific (MENA) FZE (Sharjah, United Arab Emirates)

|  |        |                                                                                  |                                |
|--|--------|----------------------------------------------------------------------------------|--------------------------------|
|  | 345613 | 300 µl Automation <b>Filter</b> Tips for Hamilton, Clear, Sterile, with Barcode, | Blister Packed, 96/pk, 2304/cs |
|  | 345703 | 1000 µl Automation Tips for Hamilton, Clear, Sterile, with Barcode               | Blister Packed, 96/pk, 2304/cs |
|  | 345713 | 1000 µl Automation <b>Filter</b> Tips for Hamilton, Clear, Sterile, with Barcode | Blister Packed, 96/pk, 2304/cs |

| Automation Tips for Beckman, Clear                                                |        |                                                                   |                        |
|-----------------------------------------------------------------------------------|--------|-------------------------------------------------------------------|------------------------|
|  | 317511 | 250 µl Automation Tips for Beckman, Clear, Sterile                | Racked, 96/pk, 4800/cs |
|                                                                                   | 317501 | 190 µl Automation <b>Filter</b> Tips for Beckman, Clear, Sterile  | Racked, 96/pk, 4800/cs |
|                                                                                   | 317011 | 1070 µl Automation Tips for Beckman, Clear, Sterile               | Racked, 96/pk, 4800/cs |
|                                                                                   | 317101 | 1000 µl Automation <b>Filter</b> Tips for Beckman, Clear, Sterile | Racked, 96/pk, 4800/cs |

## Technical Drawing

### T-brand Automation Tips



#### Head Office

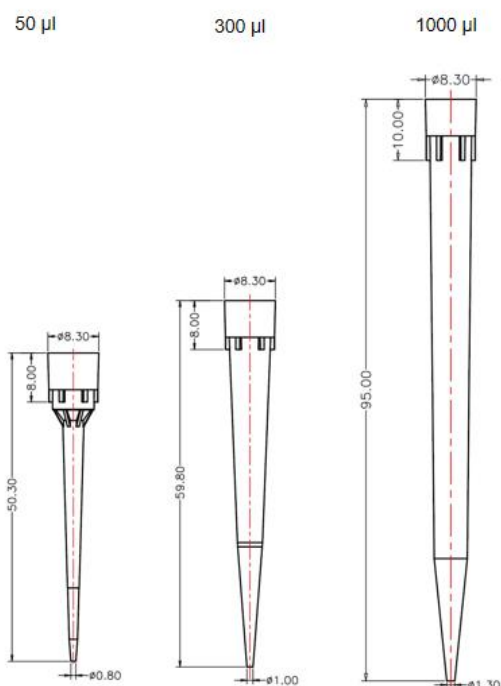
No. 530, Xida Road, Meicun Industrial Park, Xinwu District, Wuxi, Jiangsu, China  
 Tel: +86+ 510-6800 6788 Email: [info@nest-wuxi.com](mailto:info@nest-wuxi.com)  
 Online: [www.cell-nest.com](http://www.cell-nest.com)

#### Oversea

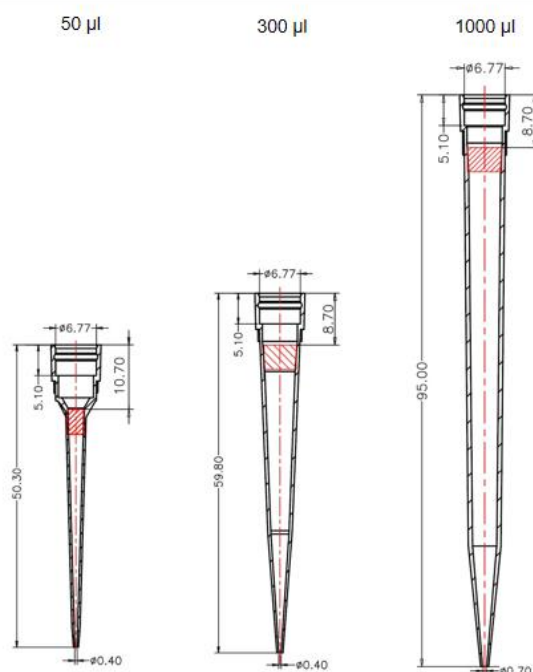
NEST USA (New Jersey/ Phoenix)  
 NEST scientific 株式会社 (Yokohama, Japan)  
 NEST Scientific Europe B.V (Netherlands)  
 Nest Scientific (MENA) FZE (Sharjah, United Arab Emirates)

## H-brand Automation Tip (Filter)

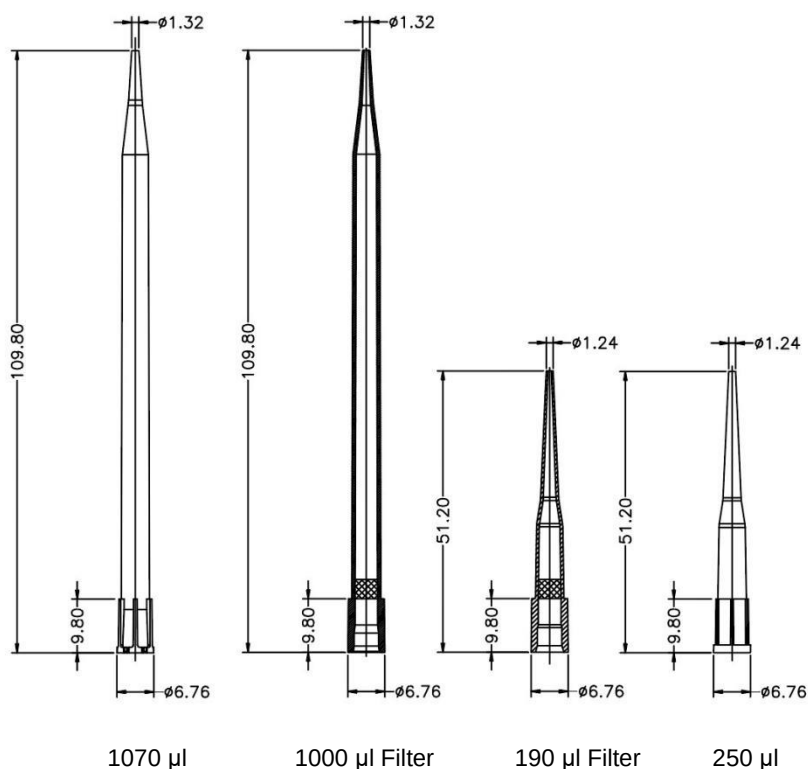
### Tips without Filter



### Filter Tips



## B-brand Automation Tips



### Head Office

No. 530, Xida Road, Meicun Industrial Park, Xinwu District, Wuxi, Jiangsu, China  
Tel: +86+ 510-6800 6788 Email: [info@nest-wuxi.com](mailto:info@nest-wuxi.com)  
Online: [www.cell-nest.com](http://www.cell-nest.com)

### Oversea

NEST USA (New Jersey/ Phoenix)  
NEST scientific 株式会社 (Yokohama, Japan)  
NEST Scientific Europe B.V (Netherlands)  
Nest Scientific (MENA) FZE (Sharjah, United Arab Emirates)