





solution.  The collected samples can be used for various biological experiments such as enzymatic hydrolysis, PCR and next-generation sequencing and are widely used the collection and preservation of specimens in hospitals, scientific research institutions and households.  Product Materials:  Polypropylene (PP) Meets USP, Class VI standards.  product Specifications:  Temperature range: stored at room temperature Shelf life: 2 Years after date of production (ensure package is in good)  Sterilization:  No  BSE/TSE:  These products are deemed animal free.  Each manufacturing lot is sampled and tested in accordance with standard operating procedures.  Appearance inspection: qualified Sealing test: qualified Freeze test: qualified Medium pH detection: qualified Medium net content detection: qualified Packaging inspection: qualified Medium net content detection: qualified Packaging inspection: qualified In the product is used to collect high-quality DNA/RNA samples in the saliva;  2. The collection process is painless and won't cause any injury or discomfort to the human body.  3. It can perfectly replace blood DNA/RNA sample, especially for patients who are unwilling or unable to cooperate with blood sampling.  4. The 5 mL preservation solution vial is filled with 2 mL ITM solution / salt solution. can be pierced to access preservation solution.  5. With good antibacterial performance and strong storage stability, the preservation solution can guarantee the integrity of viral nucleic acids in the sample if it is used to sinactivated viral samples.  6. Two types available  (1) Disposable Sampler, Saliva Collection Kit for Home Use (salt solution):	Product Name:	Disposable Sampler, Saliva Collection Kit				
enzymatic hydrolysis, PCR and next-generation sequencing and are widely used the collection and preservation of specimens in hospitals, scientific research institutions and households.  Product Materials:  Polypropylene (PP) Meets USP, Class VI standards.  Product Specifications:  Temperature range: stored at room temperature Shelf life: 2 Years after date of production (ensure package is in good)  Sterilization:  No  BSE/TSE:  These products are deemed animal free.  Each manufacturing lot is sampled and tested in accordance with standard operating procedures. Appearance inspection: qualified Freeze test: qualified Medium pH detection: qualified Medium pH detection: qualified Medium net content detection: qualified Packaging inspection: qualified Medium nody.  1. the product is used to collect high-quality DNA/RNA samples in the saliva; 2. The collection process is painless and won't cause any injury or discomfort to the human body.  3. It can perfectly replace blood DNA/RNA sample, especially for patients who are unwilling or unable to cooperate with blood sampling.  4. The 5 mL preservation solution vial is filled with 2 mL ITM solution / salt solution. can be pierced to access preservation solution vial is filled with 2 mL ITM solution / salt solution. Solution can guarantee the integrity of viral nucleic acids in the sample if it is used to sinactivated viral samples.  6. Two types available (1) Disposable Sampler, Saliva Collection Kit for Home Use (salt solution):	Product Application:	comes with a separately packaged 2 mL ITM (Inactivation Transport Medium) or salt				
Meets USP, Class VI standards.  Product Specifications:  Temperature range: stored at room temperature Shelf life: 2 Years after date of production (ensure package is in good)  Sterilization:  No  BSE/TSE:  These products are deemed animal free.  Each manufacturing lot is sampled and tested in accordance with standard operating procedures.  Appearance inspection: qualified Freeze test: qualified Medium pH detection: qualified Medium pH detection: qualified Medium pH detection: qualified Medium net content detection: qualified Packaging inspection: qualified Medium net content detection: qualified Packaging inspection: qualified  Features:  1. the product is used to collect high-quality DNA/RNA samples in the saliva; 2. The collection process is painless and won't cause any injury or discomfort to the human body. 3. It can perfectly replace blood DNA/RNA sample, especially for patients who are unwilling or unable to cooperate with blood sampling. 4. The 5 mL preservation solution vial is filled with 2 mL ITM solution / salt solution. can be pierced to access preservation solution. 5. With good antibacterial performance and strong storage stability, the preservation solution can guarantee the integrity of viral nucleic acids in the sample if it is used to s inactivated viral samples. 6. Two types available (1) Disposable Sampler, Saliva Collection Kit for Home Use (salt solution):		enzymatic hydrolysis, PCR and next-generation sequencing and are the collection and preservation of specimens in hospitals, scientific r				
Shelf life: 2 Years after date of production (ensure package is in good)  Sterilization:  No  BSE/TSE: These products are deemed animal free.  Each manufacturing lot is sampled and tested in accordance with standard operating procedures.  Appearance inspection: qualified Sealing test: qualified Medium pH detection: qualified Medium net content detection: qualified Packaging inspection: qualified Medium net content detection: qualified Packaging inspection: qualified  Teatures:  1. the product is used to collect high-quality DNA/RNA samples in the saliva; 2. The collection process is painless and won't cause any injury or discomfort to the human body. 3. It can perfectly replace blood DNA/RNA sample, especially for patients who are unwilling or unable to cooperate with blood sampling. 4. The 5 mL preservation solution vial is filled with 2 mL ITM solution / salt solution. can be pierced to access preservation solution. 5. With good antibacterial performance and strong storage stability, the preservation solution can guarantee the integrity of viral nucleic acids in the sample if it is used to so inactivated viral samples. 6. Two types available (1) Disposable Sampler, Saliva Collection Kit for Home Use (salt solution):	Product Materials:					
Sterilization:  No  BSE/TSE: These products are deemed animal free.  Performance Testing: Each manufacturing lot is sampled and tested in accordance with standard operating procedures.  Appearance inspection: qualified Sealing test: qualified Freeze test: qualified Medium pH detection: qualified Medium net content detection: qualified Packaging inspection: qualified Medium net content detection: qualified Packaging inspection: qualified Medium net content detection: qualified Packaging inspection: qualifi	product Specifications:					
BSE/TSE: These products are deemed animal free.  Performance Testing: Each manufacturing lot is sampled and tested in accordance with standard operating procedures.  Appearance inspection: qualified Sealing test: qualified Freeze test: qualified Medium pH detection: qualified Medium net content detection: qualified Packaging inspection: qualified Medium net content detection: qualified Packaging inspection: qua		Shelf life: 2 Years after date of production ( ensure package is in good )				
Performance Testing:  Each manufacturing lot is sampled and tested in accordance with standard operating procedures.  Appearance inspection: qualified Sealing test: qualified Medium pH detection: qualified Medium net content detection: qualified Packaging inspection: qualified  Teatures:  1. the product is used to collect high-quality DNA/RNA samples in the saliva; 2. The collection process is painless and won't cause any injury or discomfort to the human body. 3. It can perfectly replace blood DNA/RNA sample, especially for patients who are unwilling or unable to cooperate with blood sampling. 4. The 5 mL preservation solution vial is filled with 2 mL ITM solution / salt solution. can be pierced to access preservation solution. 5. With good antibacterial performance and strong storage stability, the preservation solution can guarantee the integrity of viral nucleic acids in the sample if it is used to so inactivated viral samples. 6. Two types available (1) Disposable Sampler, Saliva Collection Kit for Home Use (salt solution):	Sterilization:	No				
procedures.  Appearance inspection: qualified  Freeze test: qualified  Medium pH detection: qualified  Medium pH detection: qualified  Medium net content detection: qualified  Packaging inspection: qualified  Packaging inspection: qualified  Features:  1. the product is used to collect high-quality DNA/RNA samples in the saliva;  2. The collection process is painless and won't cause any injury or discomfort to the human body.  3. It can perfectly replace blood DNA/RNA sample, especially for patients who are unwilling or unable to cooperate with blood sampling.  4. The 5 mL preservation solution vial is filled with 2 mL ITM solution / salt solution. can be pierced to access preservation solution.  5. With good antibacterial performance and strong storage stability, the preservation solution can guarantee the integrity of viral nucleic acids in the sample if it is used to sinactivated viral samples.  6. Two types available  (1) Disposable Sampler, Saliva Collection Kit for Home Use (salt solution):	BSE/TSE:	These products are deemed animal free.				
Features:  1. the product is used to collect high-quality DNA/RNA samples in the saliva; 2. The collection process is painless and won't cause any injury or discomfort to the human body. 3. It can perfectly replace blood DNA/RNA sample, especially for patients who are unwilling or unable to cooperate with blood sampling. 4. The 5 mL preservation solution vial is filled with 2 mL ITM solution / salt solution. can be pierced to access preservation solution. 5. With good antibacterial performance and strong storage stability, the preservation solution can guarantee the integrity of viral nucleic acids in the sample if it is used to sinactivated viral samples. 6. Two types available (1) Disposable Sampler, Saliva Collection Kit for Home Use (salt solution):	Performance Testing:	procedures.  Appearance inspection: qualified	Sealing test: qualified			
<ol> <li>The collection process is painless and won't cause any injury or discomfort to the human body.</li> <li>It can perfectly replace blood DNA/RNA sample, especially for patients who are unwilling or unable to cooperate with blood sampling.</li> <li>The 5 mL preservation solution vial is filled with 2 mL ITM solution / salt solution. can be pierced to access preservation solution.</li> <li>With good antibacterial performance and strong storage stability, the preservation solution can guarantee the integrity of viral nucleic acids in the sample if it is used to sinactivated viral samples.</li> <li>Two types available         <ul> <li>(1) Disposable Sampler, Saliva Collection Kit for Home Use (salt solution):</li> </ul> </li> </ol>			·			
<ul> <li>The 5-mL storage tube for preservation solution is filled with 2 mL of salt solutio</li> <li>The collected samples should be stored at 2-8℃:</li> </ul>	Features:	<ol> <li>the product is used to collect high-quality DNA/RNA samples in the saliva;</li> <li>The collection process is painless and won't cause any injury or discomfort to the human body.</li> <li>It can perfectly replace blood DNA/RNA sample, especially for patients who are unwilling or unable to cooperate with blood sampling.</li> <li>The 5 mL preservation solution vial is filled with 2 mL ITM solution / salt solution. Li can be pierced to access preservation solution.</li> <li>With good antibacterial performance and strong storage stability, the preservation solution can guarantee the integrity of viral nucleic acids in the sample if it is used to storinactivated viral samples.</li> <li>Two types available         <ul> <li>Disposable Sampler, Saliva Collection Kit for Home Use (salt solution):</li> <li>Use at normal ambient temperature;</li> <li>The 5-mL storage tube for preservation solution is filled with 2 mL of salt solution</li> </ul> </li> </ol>				







Performance characteristics of salt solution:

	Yield (µg)	Concentration (ng/µL)	A <sub>260/280</sub> Ratio
Mean ± SD	89.32 ± 53.40	44.66 ± 26.70	1.87 ± 0.08
Median	103.88	51.94	1.84
95% of samples	≥26.94	≥13.47	1.81-1.89

#### Special reminders:

The preservation solution is inedible. However, this solution won't cause damage to the body even if it is swallowed by mistake and home users are recommended to buy this one.

### (2) Disposable Sampler, Saliva Collection Kit with ITM:

- · Use at normal ambient temperature;
- The 5-mL storage tube for preservation solution is filled with 2 mL of ITM inactivated solution
- $\boldsymbol{\cdot}$   $\boldsymbol{\cdot}$  Samples can be stored and transported at ambient temperature;

DNA samples can be stored stably for 12 months;

RNA samples can be stored steadily for 1 month.

· Characteristics of ITM inactivated solution:

	Yield (µg)	Concentration (ng/µL)	A <sub>260/280</sub> Ratio
Mean ± SD	62.97 ± 53.18	31.54 ± 26.59	1.84 ± 0.23
Median	55.46	27.73	1.83
95% of samples	≥9.74	≥4.87	1.75-1.93

#### Special reminders:

This preservation solution has good antibacterial performance and high storage efficiency and can ensure the integrity of viral nucleic acids in the sample when it is used to store inactivated viral samples.

### **Product Range**

Cat. No.	Product Description	Product list	/Pack	/Case
203001	Disposable Sampler, Saliva Collection Kit for Home Use (salt solution)	Funnel x 1 Saliva collection vial(10mL) x 1	1	100
203011	Disposable Sampler, Saliva Collection Kit with ITM	Preservation solution vial (5mL, containing 2.0 mL of preservation solution) x 1 Saliva collecting vial cap x 1 Barcode x 4	1	100

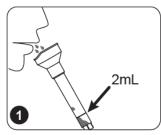






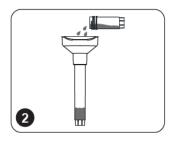
## **Using Procedure**

Clean the mouth with drinking water and fast 30 minutes before saliva sample collection. Do not eat, drink, smoke or chew gum.



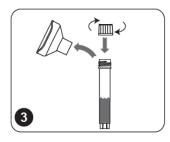
1

Before collecting saliva, relax your cheeks and gently massage cheeks with fingers for 15~30 seconds to produce saliva. Gently spit saliva into the funnel until the liquid saliva (non-bubble) reaches the height of 2.0 ml scale line. Saliva samples collected shall be free of impurities and sputum. Don't spit all over the vial.



2

Hold the saliva collecting vial in hand and keep it upright. Use the other hand to unscrew the cap of the preservation solution vial. Slowly pour the preservation solution into the funnel, and keep the funnel and saliva collecting vial upright so that the preservation solution could flow into the collecting vial completely. The preservation solution should not be eaten.



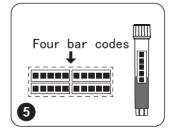
3

Keep the collecting vial upright, unscrew the funnel, take out the clean saliva collecting vial cap from the packing box, screw and tighten it on the saliva collecting vial. The vial caps have a choking hazard. Keep out of reach of children.



4

Turn the collecting vial upside down for 10 times to fully mix saliva and preservation solution.



5

Take out a bar code from the packing box and stick it on the saliva collecting vial, then put the collecting vial with bar code and two bar codes into the sample bag for storage, transportation or testing, and the remaining bar code is kept by the user for subsequent information feedback.

Head Office

No. 530, Xida Road, Meicun Industrial Park, Xinwu District, Wuxi, Jiangsu, China

Tel: +86+ 510-6800 6788 Email: <u>info@nest-wuxi.com</u>

Online: 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)







# **Technical Drawing**

