



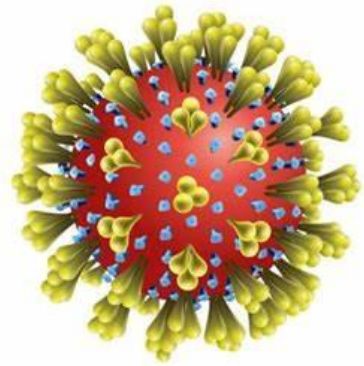
BEAVER the BEST

Sample Collection Kit

BEAVER Biomedical Engineering Co., Ltd.

Suzhou, in China

Product Description Cat. #43903



COVID-19 Molecular Diagnostics Processing

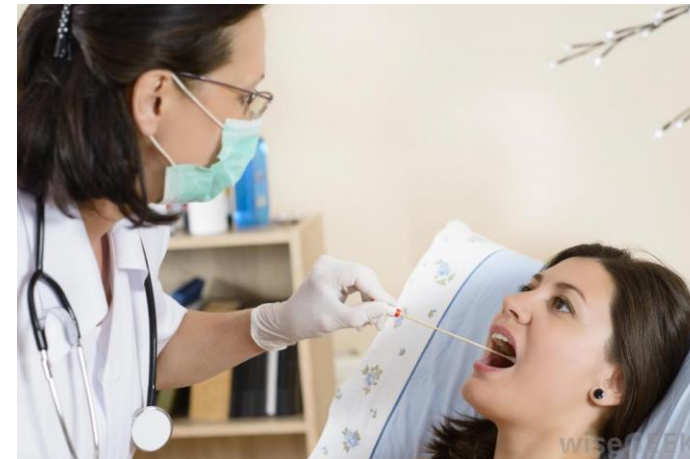
Sample Collection

DNA/RNA Extraction

Genetic Testing

The **Sample Collection Kit** is designed for collection, transportation and short-time storage of specimen total DNA/RNA of saliva, blood, serum, stool and body fluid, etc. Typically, samples are taken by a swab from Throat or Nasal.

The preservatives will lyse the organism and **inactivate** the cells, bacteria and virus. The stored samples can be used in subsequent molecular experiments such as DNA/RNA extraction, PCR testing or sequencing.

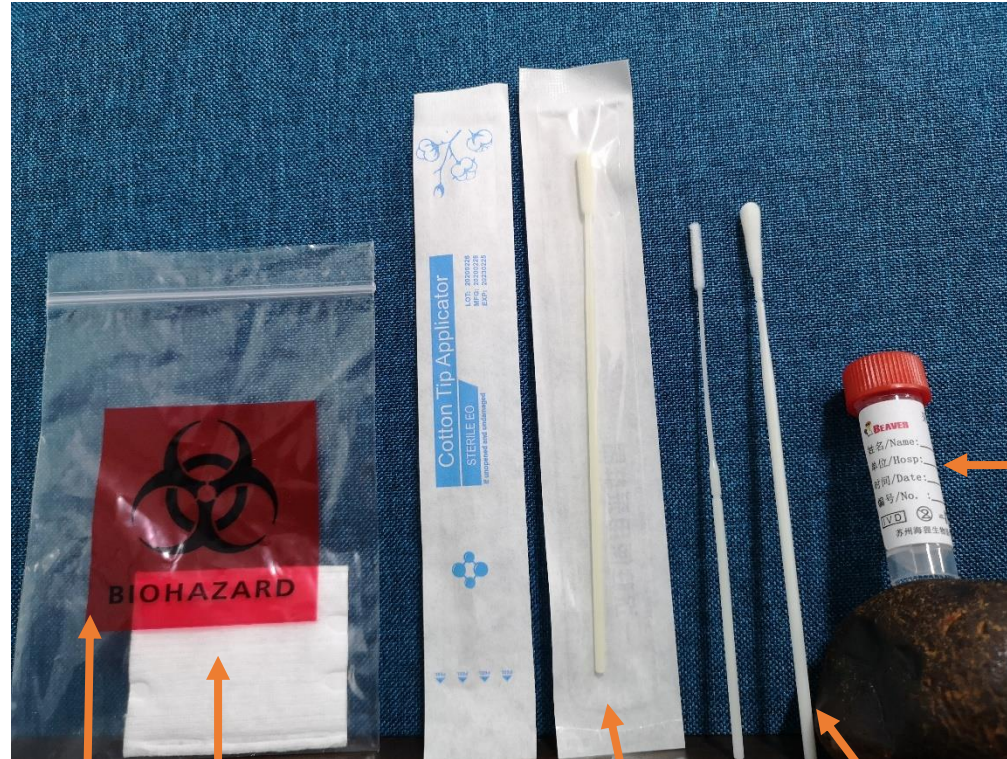


COMPONENTS

43903, 500 preps/Case



43903, individual packaging



43903, 10 preps/Pk.



5mL Collection tube
with 2mL preservatives

Cotton pad
Biohazard bag

Swabs
Swabs individually packaged in a
paper-poly pouch bag, and sterilized

Customizable Swabs, Tubes, Labels



Swab A. General for Throat and Nasal



Spec:

Length: 15cm
Break Point to Top
Distance: 3cm

Tubes Vol.: 5ml
Tubes Height: 5.7cm
Preservative: 2mL

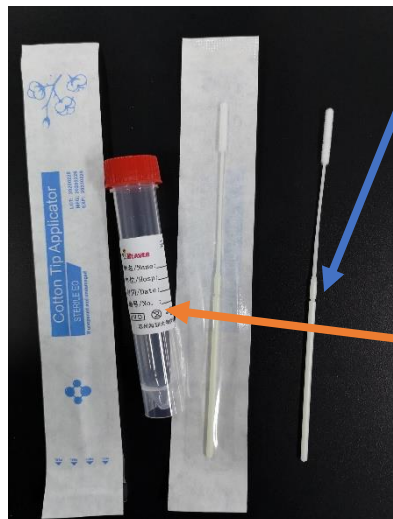
Label A. For manually recording on the tubes



Label B. For automation scanning



Swab B. Special for Nasal

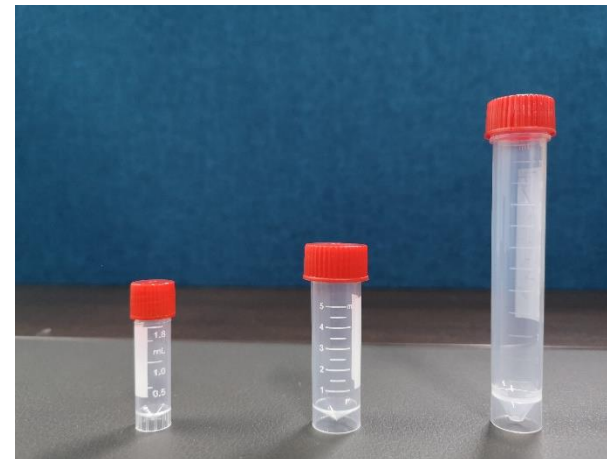


Spec:

Length: 15cm
Break Point to Top
Distance: 8cm

Tubes Vol.: 12ml
Tubes Height: 10.3cm
Preservative: 3mL

Tubes



Spec:

2mL Tube, H 4.5cm
5mL Tube, H 5.7cm
12mL Tube, H 10.3cm

Cap Color:

Red, Orange, Blue and White

Packaging Information



Packaging A: Individually Packaging



1 tube, 1 cotton pad in a biohazard bag.
10 bags with 10 swabs /Pk.
500 preps/Case
Case Weight: 7.3 Kg

Packaging B: Simply Packaging



10 tubes, 10 Swabs and
2 cotton pads in a
biohazard bag.
1000 Preps/Case
Case Weight: 9.6 Kg

Packaging C: Bulk Packaging



200 tubes /Pk.
400 Swabs /Pk.
1600 Preps/Case.
Case Weight: 15 Kg

Case



50cm*40cm*34cm

Test Report of Viral RNA Preservative



Materials and Equipment

The preservative, the same reagent from Sample Collection kit (BEAVER, Cat. #43903, #43805);

Pseudotyped Virus sample: 2019-nCOV Pseudotyped Virus (10¹⁰cope/mL) (Zeesan Biotech, Cat. ZS-JL-NP-001);

Extraction Kit: BeaverBeads™ Viral DNA/RNA Kit (Cat. #70406);

qPCR Kit: PrimeDirect™ Probe RT-qPCR Mix (Takara, #RR650A);

Primer and Probe: 2019-nCOV N Gene Primer and Probe (GENEWIZ)

Instrument: ABI-7500Fast (Applied Biosystems);

RNA Viral Preservative performance was tested by detecting different RNA virus concentration diluted in the target reagent and placed at room temperature (20-25°C) and -20°C for 1 to 7 days. The viral RNA was isolated and detected using qRT-PCR method.

The experimental data provide the evidence that viral RNA samples stored in the Preservative were highly stable at RT for at least 7 days comparing with stored at -20°C. For the sensitivity analysis, viral sample concentration at 10²copies/mL and corresponding 2 copies tested using qRT-PCR can be detected.

Table & Pic 1: Samples were placed for 3 days:

Sample Conc./ Ct	2*1	2*10	2*100	2*1000
BEAVER (-20°C)	35.46	31.39	28.81	24.93
BEAVER (RT)	35.88	32.56	28.94	24.69
Competitor (-20°C)	36.06	31.87	29.22	25.86
Competitor (RT)	36.18	32.10	28.56	25.58

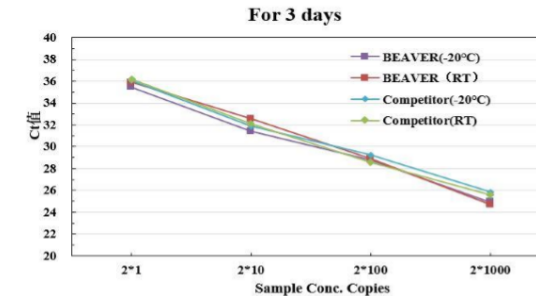
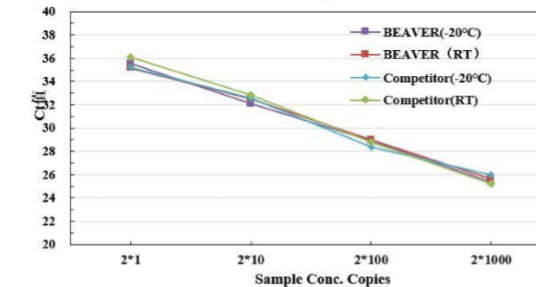
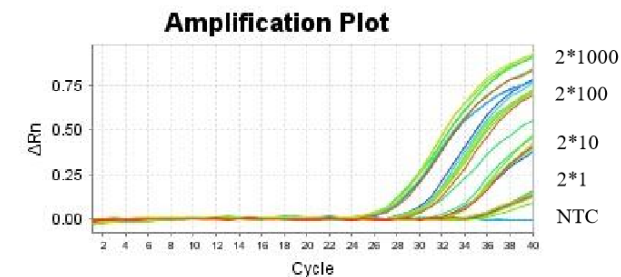


Table & Pic 2: Samples were placed for 5 days:

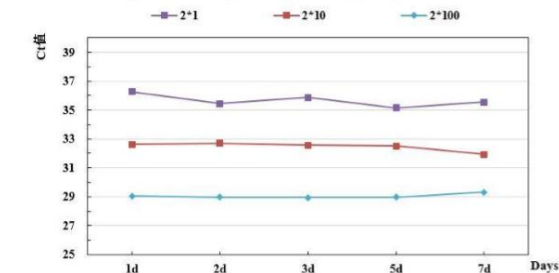
Sample Conc./ Ct	2*1	2*10	2*100	2*1000
BEAVER (-20°C)	35.54	32.08	28.90	25.38
BEAVER (RT)	35.15	32.53	28.99	25.63
Competitor (-20°C)	35.22	32.57	28.35	25.96
Competitor (RT)	36.06	32.86	28.82	25.22



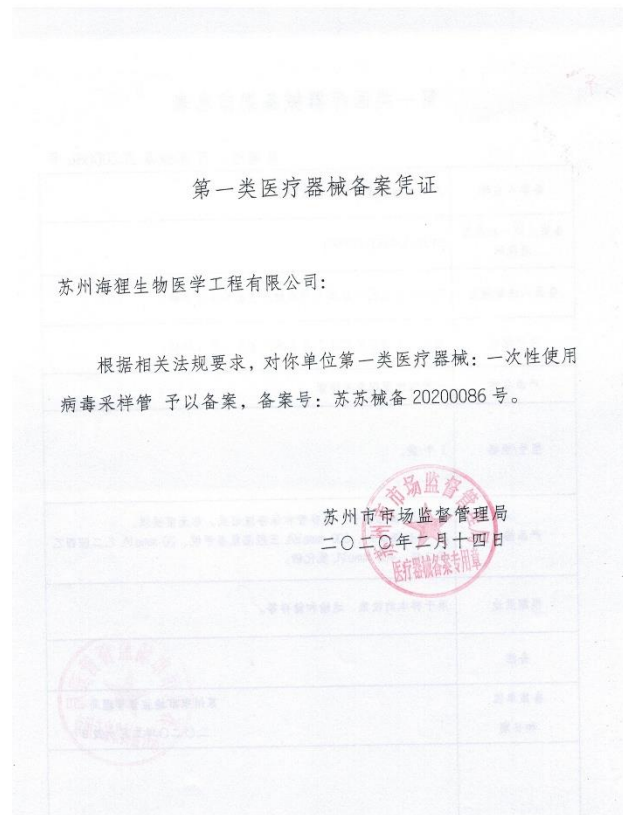
Pic 3. Plot of qPCR Test for 5 days at RT and -20°C



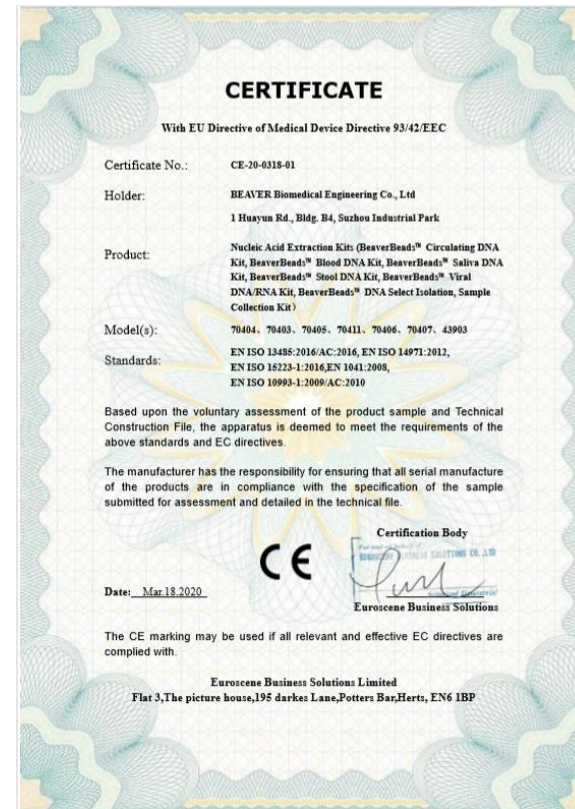
Pic 4. Stability of low copies viral samples placed at RT



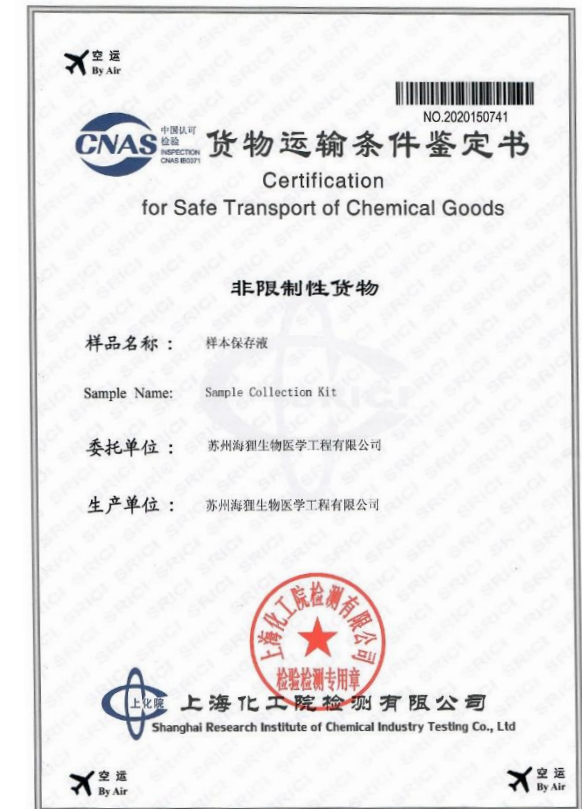
Certificates for The KIT



Medical Device Class I in China



CE Certificated



Safe Transport of Chemical Goods Certification

Related Products



Saliva collector



BeaverBeads™ Viral DNA/RNA Kit



Dry Bath Incubator



Magnet Extractor Rosetta 32



Magnet Extractor Rosetta 24

About BEAVER



BEAVER Biomedical Engineering Co., Ltd.
 Founded in 2011, and located in Suzhou Industrial Park, China.

BEAVER focus on magnetic beads technologies based materials development and applications, sample preparation and processing solutions in biomedical field and clinical market.



江苏省第一类医疗器械生产备案凭证
 备案号：苏苏食药监生产备201818118号

企业名称	海神康生物技术(苏州)有限公司		
住 址	苏州工业园区星湖街218号生物纳米园4号楼101室		
生产地址	苏州工业园区星湖街218号生物纳米园4号楼101室		
法定代表人	任辉	企业负责人	任辉
电 话	218000	联系电话	0512-81818020
生产范围	一类医疗器械：9515-体外诊断试剂		
生产产品列表	产品名称	产品备案号	生产企业生产许可证
	核酸纯化试剂盒	苏苏械备 201811818	是 / 否
	核酸纯化试剂盒	苏苏械备 201808004	是 / 否
	核酸提取试剂盒	苏苏械备 201811818	是 / 否
	核酸提取试剂盒	苏苏械备 201811818	是 / 否
生产产品列表	核酸保存液	苏苏械备 201811818	是 / 否
变更备案记录	以下空白		

BEAVER Building

GMP Level Cleanrooms

Patents

ISO13485



Medical Device Class I

BEAVER Marketing



In China

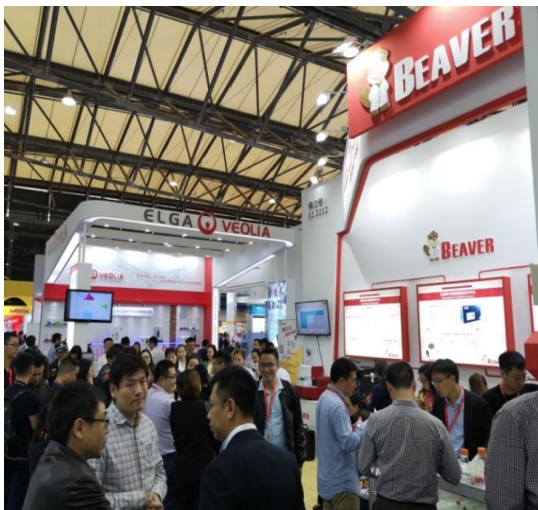
- 1000+ research labs
- 300+ biotech or IVD

Global

- AACC and Medica
- 30+ countries

Cooperation

- BEADS and Clinical R&D
- Global OEM





谢谢
THANK YOU !

BEAVER, NEVER STOP

Web: www.beaverbio.com

Tel: 400-600-3979

Email: sales@beaverbio.com