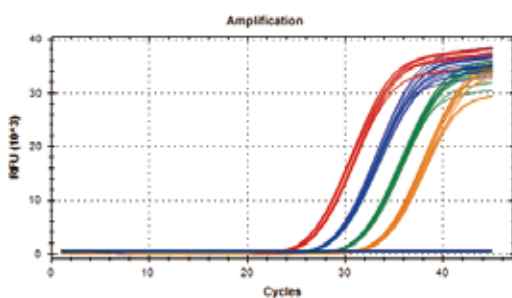


Medical Sample Preservation Products (Custom Packaging Available)

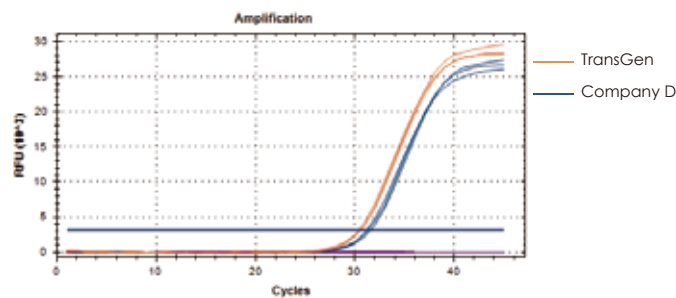
Virus Sampling Tube

//// Highlights:

- ★ Inactivate virus: To avoid secondary contamination during the process of transportation and detection.
- ★ Ensure DNA/RNA integrity: Protect viral nucleic acids from degradation at ambient temperature for 1 week.
- ★ Convenient transportation and preservation: Transport and preserve at ambient temperature without the need of cold chain.
- ★ High detection rate: Compatible with a variety of virus nucleic acid extraction reagents.
- ★ Simple to operate: No professional training is required, allowing self-sampling.



- TransGen products were used to collect and preserve the serially diluted (10⁵-10² copies/ml) Newcastle disease virus. After 7 days, the nucleic acid was extracted and qRT-PCR was performed to test the preservation effect. The results show that TransGen products can effectively preserve viruses at different concentrations.



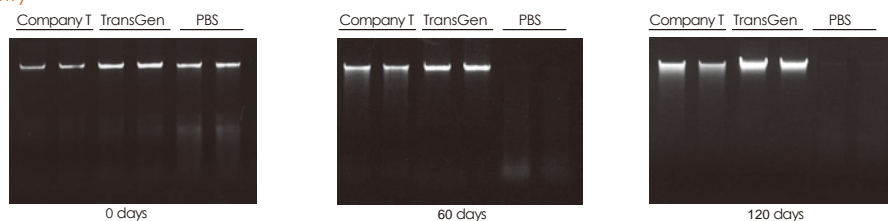
- TransGen and Company D products were used to collect and preserve Newcastle disease virus. After 7 days, the nucleic acid was extracted and qRT-PCR was performed to test the preservation effect. The results show that TransGen products exhibits a better preservation effect.

Stool Sampling Tube

////// Highlights:

- ★ Inactivate safely: To avoid secondary contamination during the process of transportation and detection.
- ★ Ensure DNA/RNA integrity: Protect sample nucleic acids from degradation at ambient temperature for 3 months.
- ★ Convenient transportation and preservation: Transport and preserve at ambient temperature without the need of cold chain.
- ★ Simple to operate: No professional training is required, allowing self-sampling.

▼ Good integrity



▼ High purity

Preservation solution	0 day			60 days			120 days		
	Concentration (ng/μl)	OD260/OD280	OD260/OD230	Concentration (ng/μl)	OD260/OD280	OD260/OD230	Concentration (ng/μl)	OD260/OD280	OD260/OD230
TransGen	51.29	1.88	1.57	53.27	1.89	1.28	64.72	1.89	1.45
	54.23	1.89	1.56	54.35	1.88	1.43	63.2	1.91	1.39
Company T	33.62	1.91	1.77	43.86	1.90	1.66	53.59	1.90	1.82
	29.03	1.90	1.86	45.19	1.90	1.71	55.67	1.90	1.71
PBS	63.01	2.00	1.57	15.11	2.04	1.71	5.60	2.23	1.26
	67.23	1.98	1.68	14.39	2.00	1.82	8.07	1.96	1.29

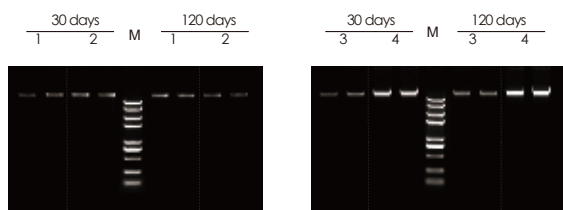
- Stool samples were preserved using products from TransGen, Company T and PBS. The preservation effect was evaluated by concentration determination and agarose gel electrophoresis for gDNA extracted after 0 day, 60 days and 120 days. The results showed that the integrity and purity of the sample gDNA preserved by TransGen products were better than those of Company T and PBS, with little degradation.

Oral Swab Sampling Tube

////// Highlights:

- ★ Inactivate safely: To avoid secondary contamination during the process of transportation and detection.
- ★ Ensure DNA/RNA integrity: Protect sample nucleic acids from degradation at ambient temperature for 6 months.
- ★ Convenient transportation and preservation: Transport and preserve at ambient temperature without the need of cold chain.
- ★ Simple to operate: No professional training is required, allowing self-sampling.

▼ Good integrity



M:Trans2K® Plus II DNA Marker

▼ High purity

Preservation Conditions	Sample	Concentration (ng/μl)	OD260/OD280	OD260/OD230
30 days	1	10.80	1.78	1.48
	2	12.46	1.78	1.52
120 days	1	12.85	1.75	1.43
	2	10.66	1.73	1.38
30 days	3	10.39	1.82	1.23
	4	14.88	1.82	1.19
120 days	3	10.05	1.87	1.41
	4	16.23	1.83	1.11

- Four oral swabs were collected using TransGen products. The preservation effect was evaluated by concentration determination and agarose gel electrophoresis for gDNA extracted after 30 days and 120 days stored at 25°C.. The results show that the sample gDNA preserved by TransGen products has good integrity and high purity.

