

tQ01-X2 Fluorometer

Product Description

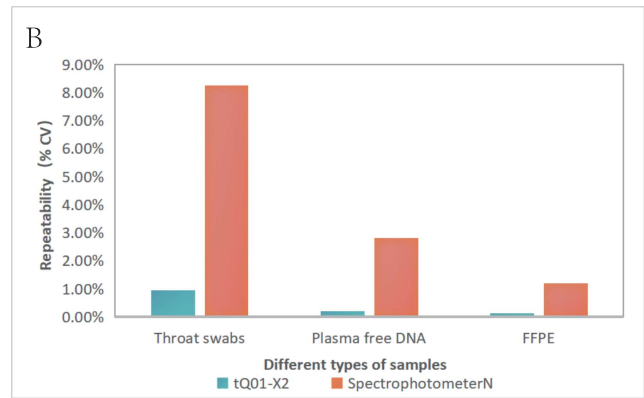
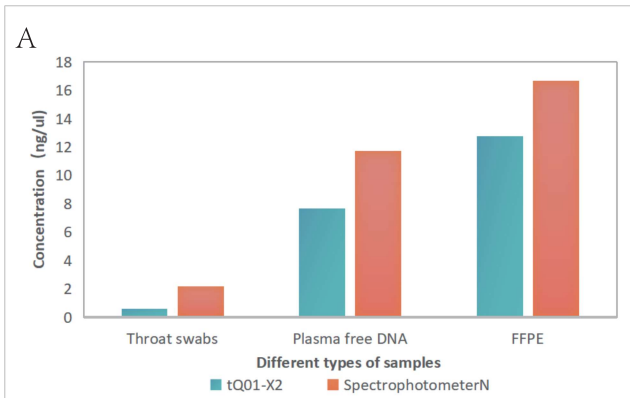
tQ01-X2 fluorometer is a very compact DNA and RNA concentration detection equipment, which can achieve high accuracy results with only 1~20ul sample. With high detection sensitivity, wide detection range, and short detection time, it is an ideal tool for scientific research laboratories to detect low-concentration nucleic acids.



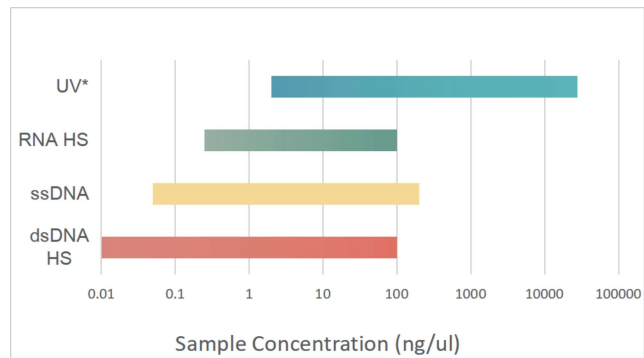
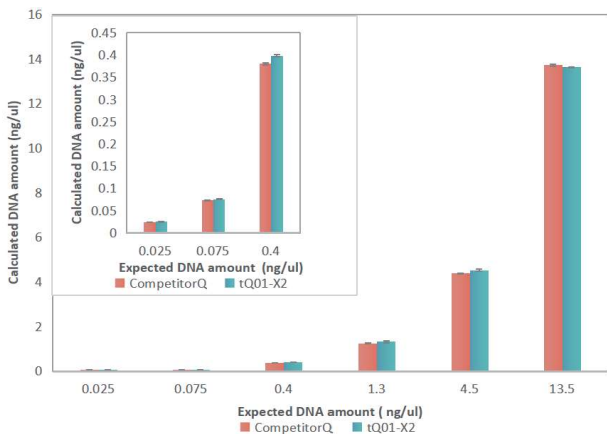
Product Features

High Accuracy

High detection sensitivity, it is an effective tool for low concentration nucleic acid and protein quantification.



tQ01-X2 and UV spectrophotometer detect different kinds of samples. With standard test kits, throat swabs, plasma free DNA and FFPE DNA were measured 10 times on tQ01-X2 and UV-spectrophotometer respectively, and the repeatability of results were compared. Chart A is the mean value of the tests, and Chart B shows the CV of repeatability.

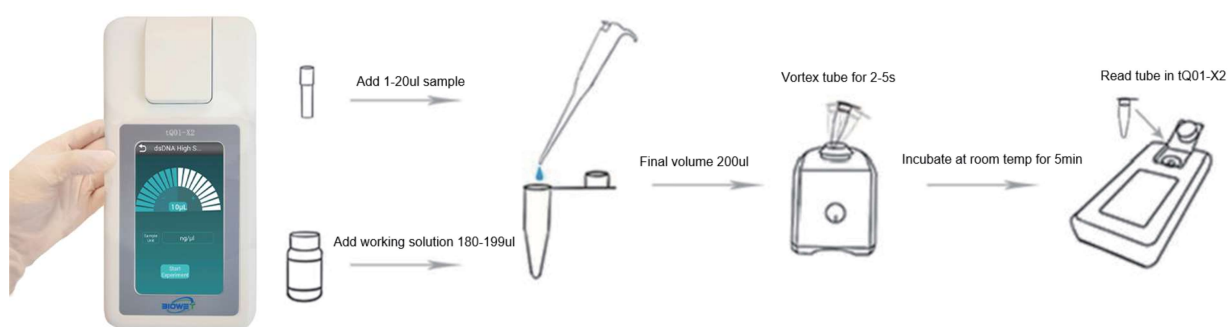


Using standard test kit, dsDNA with a concentration of 0.025-13.5 ng/ul was measured on tQ01-X2 and competitor Q for 100 times, showing the accuracy of the measurement.

The detectable sample concentration range on tQ01-X2 and UV spectrophotometer.

- ▶ Rapid Detection----It can accurately detect the sample concentration within 5seconds
- ▶ Less Sample Needed----Only need 1~20μL sample to obtain the reliable result
- ▶ Intuitive Interface----The operation interface design is intuitive and easy to use

The working process of fluorometer



Specification

| Specification | Parameter |
|-----------------------|-------------------------------|
| Sample Volume | 1~20ul |
| Sample Capacity | 1 |
| Compatible Tube | 0.5mL PCR Tube |
| Test Time | ≤5s/sample |
| Linearity Range | 5 orders of magnitude |
| Light Source | LED |
| Excitation Wavelength | Blue 460-480nm, Red 630-650nm |
| Emission Wavelength | Green500-535nm,Red670-710nm |
| Detector | SiPMT |
| Sensitivity | dsDNA 0.01ng/ul |
| Calibration | 2points or 3points |
| Operation | 5 inches Touch screen |
| Power | DC5V, 2A, 10W |
| Operation Environment | 15-30°C, <75%, Indoor use |
| Dimension | 110*230*45.5mm, 0.5Kg |

Order Information

| Cat No | Product | Description | 备注 |
|---------|-------------|----------------|----|
| 3001300 | Fluorometer | tQ01-X2 | |
| 930001 | Consumables | 0.5mL PCR tube | |