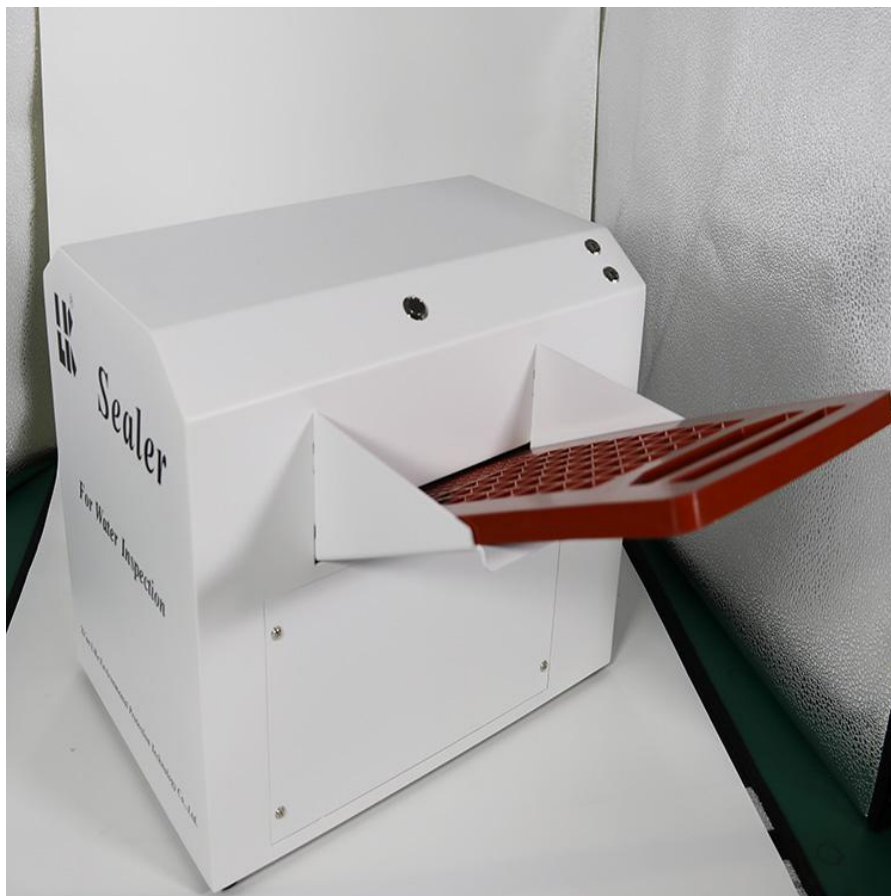


HKE-ES-02 Program Controlled Quantitative Sealer

The enzyme substrate method uses coliform producing beta galactosidase to decompose the color source substrate ONPG (Ortho-nitrophenyl-β-D-galactopyranoside) to make the culture medium change yellow, Escherichia coli produces β -glucuronidase to decompose the fluorescent chromatic source substrate MUG (4-methyl- umbelliferyl-β-glucuronide) produce fluorescence under 366 nm ultraviolet, The principle is used to determine the quality and quantity of total coliform bacteria, fecal coliform (heat coliform bacteria) and Escherichia coli in water.

When a few non target bacteria in the water sample try to react with ONPG or MUG to interfere with the detection results, the matrix of the special formula in the colitech medium can inhibit the reaction process and control the false positive. At the same time, these special formulations can effectively promote the reaction of the biological enzymes and the fixed substrates of the target bacteria. The incidence of false negative is lower than that of the traditional method. Colitech enzyme substrate test reagent is suitable for GB/T5750.12-2006 “drinking water standard detection method” medium. The combined use of Colitech enzyme substrate reagent and 51 or 97 detection plates can be used to detect target bacteria in 100 ml water samples, the detection range of 51 detection plates is 0 ~ 200MPN, and the detection range of 97 determination disk is 0 ~ 2419MPN, without dilution.



Specification

<i>Serial number</i>	<i>Technical indicators</i>	<i>Technical indicators</i>
1	<i>name</i>	Program Controlled Quantitative Sealer
2	<i>Purpose</i>	<i>Detecting total coliform, E.coli and fecal coliform</i>
3	<i>Reliability</i>	<i>No leakage, no hole</i>
4	<i>Stability</i>	<i>More than 40000 samples can be detected, and the service life is more than 5 years</i>
5	<i>Convenience</i>	<i>Open / close and back button automatic stop function</i>
6	<i>Test Period</i>	<i>No aseptic room, 24h</i>
7	<i>Weight</i>	≤ 16 kg
8	<i>Size</i>	<i>39 cm long X 27 cm wide X 30 cm high</i>
9	<i>Preheating time</i>	≤ 14 min
10	<i>Noise</i>	≤ 50 dba
11	<i>Cover temperature</i>	$\leq 40^{\circ}\text{C}$
12	<i>Working voltage</i>	AC 220V $\pm 10\%$, 50HZ
13	<i>Sealing speed</i>	<i>Sealing time≤ 12sec/per</i>
14	<i>Working environment temperature</i>	<i>(-10°C-50°C)</i>
15	<i>Detection range</i>	<i>With 51 hole detection plate, detection range 0-200MPN/100ml (water sample is not diluted) With 97 hole detection plate detection range 0-200MPN/100ml (water sample is not diluted)</i>