



**HKM**<sup>®</sup>  
环凯微生物  
HuanKai Microbial

**2<sup>nd</sup> Edition**

# **MICROBIOLOGICAL DETECTION & CONTROL PRODUCTS CATALOG**

***Since 1993***

**Focus on microbial detection & control,  
Escort for food & drug safety.**

**GUANGDONG HUANKAI MICROBIAL SCI.& TECH.CO.,LTD.**

## Company Profile

Guangdong HuanKai Microbial Sci.& Tech. Co., Ltd. is a national high-tech enterprise under the Guangdong Institute of Microbiology which is attached to Guangdong Academy of Sciences.

Since established in 1993, HuanKai has adhered to the strategy of scientific and technological innovation and development, and has formed four product lines including microbiological testing reagents and consumables, digital laboratory instruments, physical and chemical rapid water detecting products, and high-efficiency environmentally friendly cleaning agents and disinfectant, both are with independent intellectual property rights. More than 2,000 varieties of products are widely applied in mainland China, Southeast Asia, Africa, Middle East, South America and other area all over the world. Huankai has developed into an important R&D production base for domestic food and drug safety monitoring and control technologies and products. It is committed to providing a comprehensive microbiological safety solution for the food and pharmaceutical industries. "Focus on microbial monitoring and control, escort for food & drug safety" is the mission of HuanKai!

Huankai has industry-leading R&D and production hardware. It is located in the R&D production base of Guangzhou Science City. It has established many advanced production lines and high-standard R&D and quality control laboratories. It has attained ISO9001, FDA, GMP and other quality management systems certifications. It also has outstanding and independent innovation capability and product technology advantages in China. Taking the lead in the industry, Huankai has made positive contributions to the development of China's food and drug safety industry and Guangdong's bio-industry!



## Application

Food / Beverage / Pharmaceutical / Clinical / Environmental / Veterinary

## Marketing Network

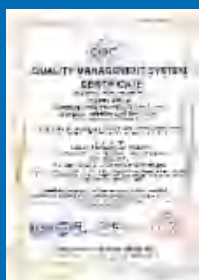
Huankai has established a sound sales network in major cities across the country, set up offices in key provinces and cities, and established a modern marketing system according to market changes.

Today, Huankai has distributors in more than 30 countries all around the world, including Malaysia, Indonesia, Philippines, Japan, Korea, Uzbekistan, Kazakhstan, Nigeria, Algeria, Ethiopia, Cameroon, Iran, Brazil, Chile and Colombia etc.

Our goal is to provide innovative solutions and premier service and maximize customer value, we sincerely welcome agents from all over the world to establish long term partnerships.



## Certificate



Guangdong Huankai Microbial Sci. & Tech. Co., Ltd.

Edited by : Huankai Co., Ltd.

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# Microbiological Detection Products





## HKM Granulated Media



Granulated medium is a popular form which is processed by granulation machine on the basis of dehydrated powder medium. It has the advantages of less powder, easy dissolution. It avoids dust and harmful components in the preparation of culture medium also reduce the pollution of dust particles to the environment.

Quickly dissolve, non-stick container wall, clear and transparent solution, uniform color

Quantitative packaging, simplified preparation, easy to use

Using high quality and stable medium raw materials at home and abroad, refining some key raw materials, even only mixing ingredients, from raw materials to final

The product is strictly monitored throughout the entire process, so that quality traceability is achieved to ensure stable quality between batches.

### Features:

- No coagulant, uniform particles, no dust, environmental protection and safety.
- Quickly dissolve, non-stick container wall, clear and transparent solution, uniform color.
- Protected from light plastic packaging to prevent moisture from agglomeration
- Strictly monitored, high traceability



Code	Product Name	Specification	Intended Use
021010P1	Rose Bengal Agar	250g	For counting, isolation and cultivation of molds and yeasts.
021096P1	Sabouraud Dextrose Broth	250g	For cultivation of yeast and molds.
021098P1	Sabouraud Dextrose Agar	250g	For the isolation and identification of Candida.
021099P1	Sabouraud Dextrose Agar	250g	For cultivation and total counts of yeast and molds.
022011P1	Nutrient Broth	250g	For general bacterial cultivation, rejuvenation and enrichment.
022021P1	Nutrient Agar	250g	For cultivating, enumerating and preserving nonfastidious bacteria.
022029P1	R2A Agar	250g	For determination of total bacteria in water.
022039P1	Macconkey Broth	250g	For the selective enrichment of coliform organisms.
022040P1	Lactose Bile Fermentation Medium	250g	For multi-tube fermentation assays for coliforms, fecal coliforms, and E. coli.
022060P1	Eosin Methylene Blue Agar	250g	For isolating and differentiating gram-negative enteric bacilli, especially for coliforms and faecal coliforms.
022070P1	Plate Count Agar	250g	For detecting aerobic bacterial count.
022116P1	Ph7.0 Sodium Chloride - Peptone Buffer Solution	250g	For sample dilution of drug, biological product.
023130P1	Buffered Peptone Water	250g	For pre-enriching Salmonella spp. and Enterobacter sakazakii in food.
022161P1	Enterobacteriaceae Enrichment Broth	250g	For cultivating and selective enrichment of Enterobacteriaceae.
022170P1	Bile Salt Lactose Medium	250g	For the enrichment of Escherichia coli and Pseudomonas aeruginosa.
022210P1	Lauryl Sulfate Tryptone Broth	250g	For detecting Coliform bacteria and faecal coliforms by the multiple-tube fermentation technique.
022200P1	Lactose Peptone Broth	250g	For detection of coliform bacteria with multi-tube fermentation or membrane filtration assay in water.
022220P1	Brilliant Green Lactose Bile Broth	250g	For detection or confirmation of presence of members of the coli-aerogenes group.
022221P1	Violet Red Bile Agar	250g	For coliform colony count in water or food.
022230P1	Ec Broth	250g	For the isolation of E.coli and other coliforms.
023022P1	Rappaport-Vassiliadis Medium	250g	For selective enrichment of Salmonella spp. in food and environmental specimens
023040P1	Selenite Cystine Broth	250g	For selective enrichment of Salmonella spp.
023070P1	Hektoen Enteric Agar	250g	For selective isolation of enteropathogenic bacteria, especially for Salmonella and Shigella.

Code	Product Name	Specification	Intended Use
024010P1	7.5% Sodium Chloride Broth	250g	For the selective enrichment of Staphylococcus aureus and other salt-tolerant bacteria.
024022P1	Mannitol Salt Agar	250g	For selective isolation, cultivation and enumeration of Staphylococcus aureus
024040P1	Baird-Parker Agar Base	250g	For selective isolation and enumeration of coagulase-positive staphylococci by adding Potassium Tellurite Egg-Yolk Regent.
024051P1	Tryptic Soy Broth	250g	for sample preparation and pre-incubation in microbiological examination of nonsterile products.
024053P1	Brain Heart Infusion Broth	250g	For cultivating moulds, yeasts and bacteria, include fastidious microorganism.
024064P1	Columbia Agar	250g	A multi-purpose medium suitable for the cultivation of fastidious organisms. Cool to 45°C and 5% sterile defibrinated blood for Campylobacter spp
025010P1	Alkaline Peptone	250g	For selective enrichment of alkalophilic bacteria, especially for Vibrio species.
025015P1	3% Sodium Chloride Alkaline Peptone Water	250g	For enrichment of Vibrio parahaemolyticus
025020P1	TCBS Agar	250g	For selective isolation of enteropathogenic vibrios, especially for Vibrio cholerae and Vibrio parahaemolyticus
026040P1	Listeria Enrichment Broth Base	250g	For the selective enrichment of Listeria.
027043P1	Cetrimide Agar Base	250g	For selective isolation of Pseudomonas
028033P1	Fluid Thioglycollate Medium	250g	For the cultivation of aerobic and anaerobic micro-aerobic and sterility testing, drugs, biological products or other samples.
028074P1	Tryptic Soy Agar	250g	For isolation and cultivation of nonfastidious and fastidious microorganisms.
029999P1	Xylose Lysine Desoxycholate Agar	250g	For selective isolation of Gram-negative bacteria, especially for Shigella and Salmonella.

**Note: Other unlisted media or bulk packing media can be customized with MOQ: 100Kg for each.**



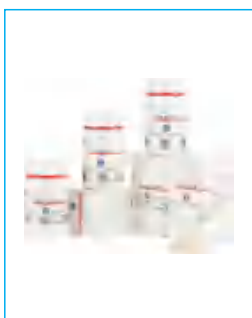
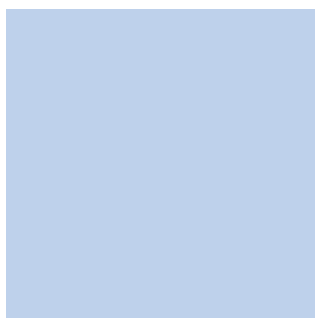
## HKM Chromogenic Media



Huankai is the earliest enterprise to develop chromogenic medium in China. At present, we have developed 14 varieties of chromogenic medium with independent intellectual property .

### Features:

- High quality raw materials, stable performance, small batch difference
- Strict quality control, high traceability,
- High sensitivity, high specificity, bright color of colonies, easy to distinguish

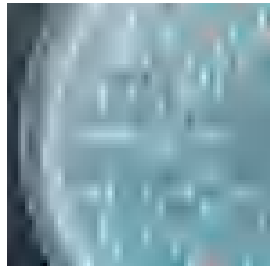
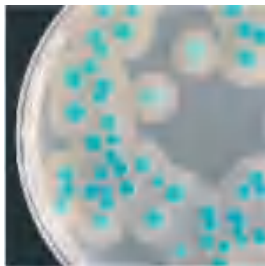
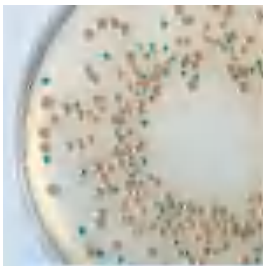


## HKM Chromogenic Media

Code	Product Name	Specification	Intended Use
CRM001	Chromogenic Coliform Agar	1000ml	For rapid detection of Coliform
CRM002	Chromogenic E.coli Agar	1000ml	For rapid detection of E.coli
CRM003	Chromogenic Coliform & E.coli (ECC) Agar	1000ml	For rapid detection of Coliform and E.coli
CRM004	Chromogenic Salmonella Agar	1000ml	For detection and isolation of Salmonella spp
CRM005	Chromogenic Bacillus Agar (with supplement)	1000ml	For detection and differentiation of Bacillus cereus group
CRM006	Chromogenic Enterobacter sakazakii Agar	1000ml	For detection of E.sakazakii
CRM007	Chromogenic E.coli O157 Agar (with supplement)	1000ml	For the selective isolation and differentiation of E.coli O157
CRM008	Chromogenic Vibrio Agar	1000ml	For isolation and detection of Vibrio especially Vibrio parahaemolyticus
CRM009	Chromogenic Vibrio Cholerae Agar	1000ml	For isolation and detection of Vibrio cholerae
CRM010	Chromogenic Candida Agar	1000ml	For isolation and differentiation of Candida
CRM011	Chromogenic Shigella Agar	1000ml	For isolation and differentiation of Shigella
CRM012	Chromogenic Staphylococcus aureus Agar	1000ml	For isolation and differentiation of Staphylococcus aureus
CRM013	Chromogenic Listeria monocytogenes Agar (with supplement)	1000ml	For isolation and differentiation of Listeria monocytogenes
CRM014	Chromogenic Listeria Agar (with supplement)	1000ml	For isolation and differentiation of Listeria

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MICROBIAL DETECTION  
PRODUCTS



Chromogenic Enterobacter sakazakii Agar (DFI)

Chromogenic Bacillus Agar

Chromogenic Salmonella Agar

Chromogenic Listeria monocytogenes Agar

Chromogenic E.coli Agar

## HKM Triple Wrapped Irradiated Plate



Huankai Triple Wrapped Irradiated Plates are designed specially for the pharmaceutical industry by Huankai, which is used for environmentally-based aseptic monitoring. With high quality dry powder medium and advanced production line & well-designed packaging, it solves the actual problems in pharmaceutical factory.

The plate is filled at Class A environment, final irradiation sterilization with Gamma ray, with triple-sealed packaging to ensure product sterility and longer shelf life. Each plate is marked with product name, batch number, date of production, expiration date, etc., the production process is monitored throughout the process to ensure traceability from every step of the raw material to the final product.

### Features:

- **Less condensate:** optimized production process, improved media formulation, additional d-esiccant to achieve less condensate.
- **Small inter batch difference:** advanced production lines, large production volume of single batch to reduce difference between batches.
- **Larger amount of filling medium:** 90mm plate filled with 30mL of medium, which meets the requirements of long-term monitoring and cultivation.
- **Anti-hydrogen peroxide:** innermost packaging with a compact composite bag, which minimizes the possibility of infiltration and facilitates direct transfer to the isolator.
- **Anti-collision:** Each package is packaged in a clean environment. compared to vacuum packaging, non-vacuum packaging has good cushioning performance which is more resistant to impact and reduces the damage of the plate for shipment.



Code	Product Name	Specification	Intended Use
CP0201C	TSA( 90mm, Settle Plate)	90mm×10 pcs	For monitoring airborne microbial contamination in pharmaceutical industry.
CP0301C	SDA( 90mm, Settle Plate)	90mm×10 pcs	
CP0101C	NA( 90mm, Settle Plate)	90mm×10 pcs	
CP0201J	TSA( 55mm, Contact Plate)	55mm×10 pcs	For environmental monitoring of surfaces in critical clean rooms.
CP0301J	SDA( 55mm, Contact Plate)	55mm×10 pcs	
CP0101J	NA( 55mm, Contact Plate)	55mm×10 pcs	
CP0202C	TSA+Cephalosporinase ( 90mm, Settle Plate)	90mm×10 pcs	For environmental microbiological testing with Cephalosporinase residue.
CP0202J	TSA+Cephalosporinase ( 55mm, Contact Plate)	55mm×10 pcs	
CP0203C	TSA+Penicillinase( 90mm, Settle Plate)	90mm×10 pcs	For environmental microbiological testing with Penicillinase residue.
CP0203J	TSA+Penicillinase( 55mm, Contact Plate)	55mm×10 pcs	
CP0204C	TSAWLP(TSA+ Lecithin + Tween 80) ( 90mm, Settle Plate)	90mm×10 pcs	For monitoring airborne microbial contamination after chemical disinfection.
CP0204J	TSAWLP(TSA+ Lecithin + Tween 80) ( 55mm, Contact Plate)	55mm×10 pcs	For environmental monitoring of surfaces after chemical disinfection.
CP0205C	TSALTZS (TSA + Lecithin + Tween 80+ histidine + Sodium Thiosulfate) ) ( 90mm, Settle Plate)	90mm×10 pcs	For monitoring airborne microbial contamination after chemical disinfection.
CP0205J	TSALTZS (TSA + Lecithin + Tween 80+ histidine + Sodium Thiosulfate) ( 55mm, Contact Plate)	55mm×10 pcs	For environmental monitoring of surfaces after chemical disinfection.
CP2029B1	R2A Plate ( 90mm,)	90mm×10 pcs	For detection of total bacteria in water.
CP1011B1	Rose Bengal Agar Plate ( 90mm,)	90mm×10 pcs	For mold & yeast count.
CP1100B1	YPD Plate ( 90mm,)	90mm×10 pcs	For yeast count in drugs or other biological products.

## HKM Dehydrated Culture Media

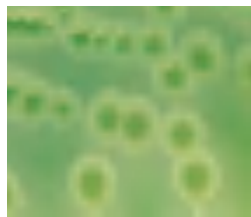
Code	Product Name	Specification	Intended Use
HCM001	Plate Counts Agar	500g	For detecting aerobic bacterial count. (USA FDA、ISO)
HCM003	Lauryl Sulfate Tryptose Broth (Lauryl Sulfate Broth)	500g	For detecting <i>Coliform</i> bacteria and <i>faecal Coliforms</i> by the multiple-tube fermentation technique. (USA FDA、ISO)
HCM004	Brilliant Green Lactose Bile Broth	500g	For detection or confirmation of presence of members of the coli-aerogenes group. (USA FDA、ISO)
HCM005	EC Medium	500g	For the isolation of E.coli and other coliforms. (USA FDA、ISO)
HCM006	Violet Red Bile Glucose Agar (VRBGA)	500g	For the presumptive enumeration of <i>Enterobacteriaceae</i> . (USP、ISO)
HCM007	Nutrient Agar	500g	For cultivating, enumerating and preserving nonfastidious bacteria. (ISO)
HCM008	Buffered Peptone Water	500g	For pre-enriching <i>Salmonella spp.</i> and <i>Enterobacter sakazakii</i> in food. (USA FDA、ISO)
HCM009	Rappaport-Vassiliadis Medium (Rappaport-vassiliadis medium with soya)	500g	For selective enrichment of <i>Salmonella spp.</i> in food and environmental specimens. (USA FDA、ISO)
HCM011	Selenite Cystine Broth (Fluid Selenite Cystine medium) (SC)	500g	For selective enrichment of <i>Salmonella spp.</i> (USA FDA、ISO、USP)
HCM012	Xylose Lysine Desoxycholate Agar (XLD)	500g	For selective isolation of Gram-negative bacteria, especially for <i>Shigella</i> and <i>Salmonella</i> . (ISO、USA FDA、EP、USP)
HCM013	Tetrathionate Broth Base (Muller-Kauffmann Tetrathionate-novobiocin Broth) (MKTn)	500g	For selective enrichment of <i>Salmonella spp.</i> , with the addition of brilliant and iodine. (ISO)
HCM014	Triple Sugar Iron Agar	500g	For differentiating Gram-negative enteric bacilli based on fermentation of sucrose, lactose and dextrose, and on hydrogen sulfide production. (ISO、USA FDA、EP、USP)
HCM015	Urea Agar Base	500g	For differentiating enteric bacteria based on urease activity by adding 40% sterile urea. (USA FDA、ISO)
HCM016	Hektoen Enteric Agar	500g	For selective isolation of enteropathogenic bacteria, especially for <i>Salmonella</i> and <i>Shigella</i> . (ISO、USA FDA、USP)
HCM017	MacConkey Agar	500g	For isolating lactose-fermenting Gram-negative enteric bacilli. (USA、FDA、ISO、EP、USP)
HCM018	Baird-Parker Agar Base	500g	For selective isolation and enumeration of coagulase-positive <i>staphylococci</i> by adding Potassium Tellurite Egg-Yolk Regent. (HSR004). (USA FDA、ISO、EP、USP)





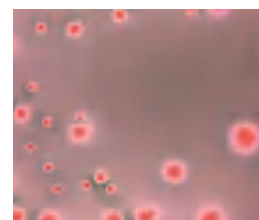
Code	Product Name	Specification	Intended Use
HSR004	Potassium Tellurite Egg-Yolk Reagent	2.5ml*10vials	Additive For Baird-Parker Agar Base
HCM019	Brain Heart Infusion Broth	500g	For cultivating moulds, yeasts and bacteria, include fastidious microorganism.(USA FDA、ISO)
HCM020	TCBS Agar	500g	For selective isolation of enteropathogenic vibrios, especially for <i>Vibrio cholerae</i> and <i>Vibrio parahaemolyticus</i> (USA FDA、ISO)
HCM023	Fraser Broth Base	500g	For selective enrichment of <i>Listeria spp.</i> (ISO)
SR0120	Additives For Fraser Broth(FB1)	10vials	Additives For Fraser Broth(FB1)
SR0130	Additives For Fraser Broth(FB2)	10vials	Additives For Fraser Broth(FB2)
HCM024	Blood Agar Base	500g	For isolating and enumerating <i>Clostridium perfringens</i> in food and clinical specimens. (USA FDA、ISO)
HCM025	Tryptose Sulfite Cycloserine Agar Base (TSC) (Iron Sulfite Agar)	500g	For isolating and enumerating <i>Clostridium perfringens</i> in food and clinical specimens. (USA FDA、ISO)
SR0290	Cycloserine Additives For TSC	10vials	Cycloserine Additives For TSC
HCM026	Fluid Thioglycollate Medium	500g	For the cultivation of aerobic and anaerobic micro-aerobic and sterility testing, drugs, biological products or other samples.
HCM028	Man Rogosa Sharpe Medium (Li-Mupirocin Modified MRS Medium Base)	500g	For isolation, enumeration and cultivation of <i>Lactic acid</i> bacteria. (ISO)
SR0370	Li-Mupirocin (Additives For Modified MRS Medium Base)	10vials	Li-Mupirocin (Additives For Modified MRS Medium Base)
HCM029	Mannitol Yolk Polymyxin Agar Base (MYP)	500g	For isolating and enumerating <i>Bacillus cereus</i> with the addition of Polymyxin B and Egg-Yolk. (USA FDA、ISO)
HCM030	Modified Phosphate Buffer	500g	For isolating and cultivating <i>Yersinia enterocolitica</i> . (ISO)
HCM031	CIN-1 Medium Base	500g	For the isolation and enumeration of <i>Yersinia enterocolitica</i> from clinical specimens and food. (ISO、USA FDA)
SR0250	Additives For CIN-1 Medium	10vials	Additives For CIN-1 Medium
HCM032	Kligler Iron Agar	500g	For the identification of Enterobacteriaceae, based on double sugar fermentation and hydrogen sulfide production. (ISO)
HCM035	Skirrow Agar	500g	For the isolation of <i>Campylobacter spp.</i> (ISO)


 Violet Red Bile Glucose Agar  
*Shigella flexneri*

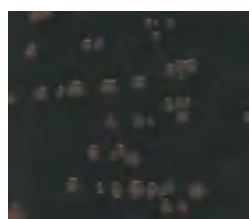
 Xylose Lysine Deoxycholate  
 Agar *Shigella flexneri*

 Chromogenic Listeria Agar  
*Listeria monocytogenes*

Code	Product Name	Specification	Intended Use
SR0330	Additives For Skirrow Agar Skirrow	10vials	Additives For Skirrow Agar
HCM036	Brucella Broth	500g	For the cultivation and isolation of <i>Campylobacter spp.</i> (ISO)
HCM037	Modified Lauryl Sulfate Tryptose Broth (MLST)	500g	For enriching <i>Enterobacter sakazakii</i> in molecular biological detection (PCR). (ISO)
HCM039	Tryptic Soy Agar (Casein Soya Bean Digest Agar) (Soybean Casein Digest Agar)	500g	For isolation and cultivation of nonfastidious and fastidious microorganisms. (USA FDA、ISO、USP、EP)
HCM040	Fluid Casein Digest-Soy Lecithin Polysorbate 20 Medium (SCDLP)	500g	for specimens dilution in Microbial Enumeration Tests-nutritional and dietary supplements, especially apply to dilute the specimens with preservatives or other antimicrobial agents (USP)
HCM044	Eosin Methylene Blue Agar (EMB Agar)	500g	For isolating and differentiating gram-negative enteric bacilli, especially for <i>coliforms</i> and <i>faecal coliforms</i> . (USA FDA、USP、ISO)
HCM045	Mannitol Salt Agar	500g	For selective isolation, cultivation and enumeration of <i>Staphylococcus aureus</i> . (USP、ISO、USA FDA)
HCM046	Vogel Johnson agar	500g	For the early detection of coagulase-positive, mannitol-fermenting staphylococci. (USP、USA FDA、ISO)
HCM047	Cetrimide Agar Base	500g	For selective isolation of <i>Pseudomonas</i> . (EP、USP、USA FDA、ISO)
HCM049	Sabouraud Dextrose Agar	500g	For cultivating and enumerating fungi. (ISO、EP、USP、USA FDA)
HCM050	Potato Dextrose Agar	500g	For enumerating and isolating moulds and yeasts. (USP)
HCM051	Corn Meal Agar with 1% Polysorbate 80	500g	For chlamydospore production by <i>Candida albicans</i> . (ISO)
HCM055	Lactose Broth	500g	For pre-enriching <i>Salmonella spp.</i> (USA FDA、EP)
HCM056	Nutrient Broth	500g	For pre-enriching <i>Salmonella spp.</i> (USA FDA)
HCM057	Trypticase (Tryptic) Soy Broth (TSB)	500g	For sample preparation and pre-incubation in Microbiological Examination of Nonsterile Products: tests for specified microorganisms (USP/EP)
HCM059	Bismuth Sulfite Agar	500g	For selective isolation of <i>Salmonella spp.</i> , especially for <i>Salmonella typhi</i> . (USA FDA)
HCM060	Toluidine Blue-DNA Agar	500g	For differentiating <i>Staphylococcus aureus</i> based on thermonuclease test. (USA FDA)
HCM061	Alkaline Peptone Water	500g	For selective enrichment of alkalophilic bacteria, especially for <i>Vibrio</i> species. (USA FDA)


 Chalmers Agar, Modified  
*Streptococcus thermophilus*

 BBL agar  
*Bifidobacterium*

 Cepulodin Irgasan Novobiocin  
 Agar *Y. enterocolitica*

Code	Product Name	Specification	Intended Use
HCM062	T1N1 Agar	500g	For cultivating <i>Vibrio cholerae</i> and other <i>Vibrio</i> species. (USA FDA)
HCM063	3%NaCl Tryptic Soy Agar	500g	For cultivating of <i>Vibrio parahaemolyticus</i> . (USA FDA)
HCM064	mCPC Agar Base (CC Agar Base)	500g	For isolation of <i>Vibrio vulnificus</i> . (USA FDA)
SR0260	Additive For mCPC Agar Base	10vials	Additive For mCPC Agar Base
HCM065	Buffed Listeria Enrichment Broth (BLEB)	500g	For the pre-enrichment of <i>Listeria spp.</i> (USA FDA)
SR0090	Additives For Listeria Enrichment Broth	10vials	Additives For Listeria Enrichment Broth
HCM066	PALCAM Agar Base	500g	For selective isolation and cultivating of <i>Listeria spp.</i> (USA FDA)
HCM067	Oxford Agar Base	500g	For selective isolation of <i>Listeria monocytogenes</i> , by adding antimicrobial supplements. (USA FDA)
HCM068	Iron Milk medium, Modified	500g	For differentiating <i>Clostridium perfringens</i> . (USA FDA)
HCM070	Enterobacteriaceae Enrichment Broth (Buffered Brilliant Green Bile Glucose Broth) (Enterobacteriaceae Enrichment Broth- Mossel)	500g	For cultivating and selectively enriching <i>Enterobacteriaceae</i> in foods. (ISO、EP、USP)
HCM071	Violet Red Bile Agar (VRBA)	500g	Used for the Solid medium method – Coliforms (USA FDA)
HCM072	Cooked Meat Medium Base	500g	For the primary growth and maintenance of aerobic and anaerobic organisms. (USA FDA)
HCM073	Cooked Meat Particle	500g	Add some to the CMM base. (HCM072). (USA FDA)
HCM074	Bromocresol Purple Dextrose Broth	500g	For evaluating the efficacy of autoclaved sterilization. (USA FDA)
HCM075	Acid Broth	500g	For commercial sterility testing of acid canned food. (USA FDA)
HCM078	Sabouraud Dextrose Broth	500g	For enriching and cultivating fungi. (USP)
HCM083	MacConkey Broth	500g	For the detection of coliform organisms. (EP)
HCM086	Brilliant Green Phenol Red Agar	500g	For isolation of <i>Salmonella spp.</i> (EP)
HCM087	Reinforced Medium for Clostridia	500g	For the cultivation of <i>Clostridia</i> . (EP、USP)
HCM088	Columbia Agar Base	500g	A multi-purpose medium suitable for the cultivation of fastidious organisms. Cool to 45°C and 5% sterile defibrinated blood for <i>Campylobacter spp.</i> (ISO)


 Agar Y, Modified  
Yersinia enterocolitica

 CCD Agar Base, Modified  
C.jejuni

 Skirrow Agar  
C.jejuni

Code	Product Name	Specification	Intended Use
HCM089	R2A Agar	500g	For determination of total bacteria in drinking water.(USP/EP)
HCM091	Buffered Sodium Chloride Peptone solution, pH7.0	500g	Additive For mCPC Agar Base
HCM092	Brilliant Green Agar	500g	For separation culture of Salmonella (USP)
HCM093	Fluid Tetrathionate Medium (TTB)	500g	for selective enrichment of Salmonella(FDA /USP)
HCM094	Pseudomonas Agar Medium for Detection of Pyocyanin	500g	For differentiating <i>Pseudomonas aeruginosa</i> based on the production of pyocyanin by adding Glycerol. (USP)
HCM095	EC-MUG Medium	500g	For detecting <i>Escherichia coli</i> in drinking water and source water by the multiple-tube fermentation technique. (USA FDA)
HCM099	Malt Extract Agar (MEA)	500g	For the detection, isolation and enumeration of yeasts and moulds. (OXOID)
HCM102	Malt Extract Broth (MEB)	500g	For the cultivation of moulds and yeasts, especially during tests for sterility. (USA FDA)
HCM104	Potato Dextrose Agar Medium with Antibiotics	500g	For enumerating and isolating moulds and yeasts. (ISO、USA FDA)
HCM105	Brain Heart Infusion Agar	500g	For the cultivation of fastidious organisms.
HCM106	Muller Hinton Agar	500g	For antimicrobial susceptibility testing. (NCCLS)
HCM107	Muller Hinton Broth	500g	For antimicrobial susceptibility testing. (NCCLS)
HCM108	MFC Agar Base	500g	For cultivate and enumerate fecal coliforms by the membrane filter technique. (APHA、AOAC)
HCM109	Simmons Citrate Agar	500g	For the differentiation of Enterobacteriaceae based on the utilisation of citrate as the sole source of carbon. (APHA)
HCM110	SS Agar	500g	For the isolation of Salmonella and some Shigella species from clinical specimens, foods etc.
HCM112	Wort Agar	500g	For the cultivation and enumeration of yeasts.
HCM113	Pepton water	500g	a basal medium to which carbohydrates and an indicator may be added for fermentation studies.
HCM114	Bile Esculin Azide Agar	500g	for the selective isolation and differentiation of group D streptococci.
HCM115	Tergitol-7 TTC Agar Base	500g	for the enumeration and identification of coliform bacteria.
HSR014	0.2%Tergitol-7	2ml×10	supplements of HCM115
HSR015	TTC Solution(0.125%)	2ml×10	supplements of HCM115

Code	Product Name	Specification	Intended Use
HCM116	SLANETZ-BARTLEY MEDIUM	500g	For the detection and enumeration of enterococci in water by the membrane filtration technique
HCM117	C.L.E.D. Medium	500g	Cystine-Lactose-Electrolyte Deficient media for urinary bacteriology.
HCM118	Crystal Violet Lactose Agar	500g	for differentiation of pure cultures of pathogenic and nonpathogenic Staphylococci.
HCM119	Lysine medium	500g	for the isolation and enumeration of wild yeasts in pitching yeast. (ISO、USA FDA)
HSR016	Potassium Lactate	1ml×10	supplements of HCM119
HCM120	Raka Ray Agar Base	500g	a medium for the isolation of lactic acid bacteria in beer and brewing processes
SR0510	Supplement for Raka Ray Agar Base	2*5vials	Supplement for Raka Ray Agar Base
HCM121	Rose Bengal Agar	500g	a selective medium for yeasts and moulds associated with food spoilage
HCM122	Czapek-Dox Agar	500g	for the cultivation of fungi
HCM123	Salt Czapek-Dox Agar	500g	For detection and enumeration of molds in feed
HCM124	Tryptic Soy Broth With Yeast Extract (Tryptone soya yeast extract broth) (Listeria Enrichment Broth Base)	500g	For selective enrichment of Listeria monocytogenes
HCM125	Peptone Buffered Solution	500g	used to disperse the sample
HCM126	Koser Citrate Medium	500g	For the identification of Escherichia coli
HCM127	Endo Agar	500g	for the isolation of total coliforms from water
HCM128	VRB-MUG Agar	500g	For the detection and enumeration of coliform organisms in water, food and dairy products
HCM129	Cary-Blair Transport Medium	500g	A transport medium for Gram negative and anaerobic organisms
HCM130	Cary-Blair Transport Medium w/o Agar	500g	A transport medium for Gram negative and anaerobic organisms without Agar
HCM131	Sorbitol MacConkey Agar Base	500g	For the detection of Escherichia coli O157
SR0020	Potassium Tellurite(Additive For SMAC)	10vials	Additive For SMAC
HCM133	Tryptone soya yeast extract Agar	500g	For isolation and detection of Listeria monocytogenes


 Violet Red Bile Glucose Agar  
 Salmonella typhimurium

 SS Agar  
 Salmonella typhimurium

 Chromogenic Candida Agar  
 Candida albicans



Code	Product Name	Specification	Intended Use
HCM134	Soya Casein Digest Lecithin Polysorbate Broth	500g	the diluent is used to disperse the sample of cosmetics
HCM135	Modified Lethen Broth	500g	For dilution and enrichment of the sample in cosmetics microbial detection
HCM136	Lecithin Tween-80 Nutrient Agar	500g	For the count of the total number of bacteria in the cosmetics testing
HSR017	Sterile TTC Solution 0.5%	1ml×10	Sterile TTC Solution 0.5%
HCM139	Modified Chalmers Agar	500g	For Streptococcus thermophilus colony counting in the lactic acid drinks
HCM140	Tomato Juice Agar, Modified	500g	For lactic acid bacteria colony count of lactic acid drinks
HCM141	Bolton Broth base	500g	Selective enrichment for Campylobacter jejuni
SR0340	Additives For Bolton Broth	10vials	Additives For Bolton Broth
HCM142	Desoxycholate Agar	500g	For the enumeration of coliform in water
HCM144	Modified Phosphate Buffer (PSB)	500g	used to disperse the sample
HCM153	W.L. Nutrient Agar	500g	For the determination of the microbiological flora in brewing and fermentation processes.
HCM154	MacConkey Broth Purple	500g	for the detection and enumeration of faecal coliforms
HCM159	Membrane Lauryl Sulphate Broth (m-Lsb)	500g	For isolation of Coliform and E. coli medium (USA FDA、ISO)
HCM320	LB broth	500g	For general bacterial culture, particularly for molecular biology experiments growth of E. coli and save.(FDA)
HCM330	LB Agar	500g	For general bacterial culture, particularly for molecular biology experiments growth of E. coli and save.(FDA)


 PALCAM Agar  
*L.monocytogenes*

 Blood Agar Plate  
*Staphylococcus aureus*

 Mannitol Egg Yolk Polymixin Agar Base  
*B.cereus*

# Bulk Packing Media

Code	Product Name	Specification	Intended Use
021140B	Linden Grain Medium (LG Medium)	20Kg	A medium for media fill process simulation for beverage bottling.
024051A	Tryptic Soy Broth ( TSB)	10KG	For cultivating of bacteria.And sterility test of drugs and biological products.
028072T1	Tryptic Soy Agar (TSA)	10KG	For enumerating and enriching nonfastidious or fastidious bacteria.
028324A	Luria Broth (LB)	10KG	For general bacterial culture, in particular for m-olecular biology experiments preservation and enrichment of E. coli.
027312A	MRS Broth	10KG	Liquid medium for the growth of lactic acid bacteria.

**Note:** Other unlisted media can be customized at Bulk Packing with MOQ: 100Kg for each.



# Media Raw Material --- Ingredients

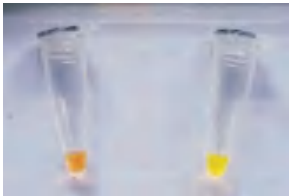


Nutrient raw materials provide nitrogen source, amino acid, vitamins and growth promoting factors for microbial growth, Huankai provides variety of high quality raw materials. The materials are produced by excellent production technology, and each batch undergoes strict quality control of sensory, physical and chemical indicators and biological indicators to ensure stable quality. We could also provide certificates of origin, BSE free certificate and non-GMO certificates, etc.



Code	Product Name	Specification	Intended Use
HAM001	Agar Powder,Technical	500g	solidifying agent of media,very low ion contents
HAM001B	Agar Powder,Technical	10Kg	solidifying agent of media,very low ion contents
HAM003	Beef Extract	500g	solidifying agent of media,very low ion contents
HAM004	Malt Extract	500g	contains nitrogenous and carbohydrate constituents.
HAM005	Peptone,Bacteriological	500g	contains amino acids and other complex nitrogenous substances necessary to support bacterial growth.
HAM005B	Peptone,Bacteriological	10Kg	contains amino acids and other complex nitrogenous substances necessary to support bacterial growth.
HAM007	Tryptone,Technical	500g	contains amino acids and other complex nitrogenous substances necessary to support bacterial growth.
HAM008	Yeast Extract Powder, Technical	500g	highly nutritious ingredient, low salt contents, rich in B-complex vitamins.
HAM009	Yeast Extract Powder	500g	contains B-complex vitamins, dextrose, is an energy source.
HAM009B	Yeast Extract Powder	10Kg	contains B-complex vitamins, dextrose, is an energy source.
HAM010	Agar, Bacteriological	500g	solidifying agent of media,very low ion contents
050220	Soy Peptone	400g	soyptone is an enzyme digest of soy, widely used in culture media
050220A	Soy Peptone	10Kg	soyptone is an enzyme digest of soy, widely used in culture media
050160	Peptone, Fermentation	1Kg	raw materials for fermenting industry, providing nitrogen source
050160A	Peptone, Fermentation	10Kg	raw materials for fermenting industry, providing nitrogen source
050210	Proteose Peptone	400g	raw material of culture media, provide nutrition for the bacteria
050240	Ploypeptone	400g	raw material of culture media, provide nutrition for the bacteria
050290	Casein	500g	raw material of culture media
050140	Soy Lecithin	25g	emulsifier with surface activity
050150	Egg Yolk Lecithin	25g	emulsifier with surface activity

# Rapid Detection Kit



## Loop-mediated Isothermal Amplification Test Kit

Code	Product Name	Specification	Intended Use
KJD01L	Rapid Detection kit for Pseudo-monas aeruginosa	24 tests	Rapid detection of Pseudomonas aeruginosa in water sample
KJD02L	Rapid Detection kit for Strepto-coccus faecalis	24 tests	Rapid detection of Streptococcus faecalis in water sample
KJD03L	Rapid Detection kit for Clostri-dium perfringens	24 tests	Rapid detection of Clostridium perfringens in food and water sample
KJD04L	Rapid Detection kit for Staphy-lococcus aureus	24 tests	Rapid detection of Staphylococcus aureus in food sample
KJD05L	Rapid Detection kit for Salmo-nella	24 tests	Rapid detection of Salmonella in food sample
KJD06L	Rapid Detection kit for Shigella	24 tests	Rapid detection of Shigella in food sample
KJD07L	Rapid Detection kit for Listeria monocytogenes	24 tests	Rapid detection of Listeria monocytogenes in food sample
KJD08L	Rapid Detection kit for Vibrio parahaemolyticus	24 tests	Rapid detection of Vibrio parahaemolyticus in food sample
KJD09L	Rapid Detection kit for Escheri-chia coli O157:H7	24 tests	Rapid detection of Escherichia coli O157:H7 in food sample
KJD10L	Rapid Detection kit for Enterobacter sakazakii	24 tests	Rapid detection of Enterobacter sakazakii in food sample
KJD11L	Rapid Detection kit for Yersinia enterocolitica	24 tests	Rapid detection of Yersinia enterocolitica in food sample
KJD12L	Rapid Detection kit for	24 tests	Rapid detection of Brucella spp/Brucella spp
KJD13L	Rapid Detection kit for Vibrio alginolyticus	24 tests	Rapid detection of Vibrio alginolyticus
KJD14L	Rapid Detection kit for Vibrio vulnificus	24 tests	Rapid detection of Vibrio vulnificus



Corollary Equipment	Model	Specificaition	Intended use
High-speed centrifuge	1.5ml	Rotating speed : 15000APM	Use with LAMP test kit .
Thermo cell	1.5ml		Use with LAMP test kit

### PCR Test Kit

Code	Product Name	Specification	Intended Use
KJD01P	Multiplex PCR Detection Kit for Cronobacter sakazakii	24 tests	Rapid detection of Cronobacter sakazakii in infant formula, milk and dairy products
KJD02P	Multiplex PCR Detection Kit for EPEC-STEC-EHEC	24 tests	Rapid detection of EPEC-STEC-EHEC in food
KJD03P	Multiplex PCR Detection Kit for EAEC	24 tests	Rapid detection of EAEC in food
KJD04P	Multiplex PCR Detection Kit for ETEC	24 tests	Rapid detection of ETEC in food
KJD05P	Multiplex PCR Detection Kit for EIEC	24 tests	Rapid detection of EIEC in food
KJD06P	PCR Detection Kit for Botulinum Neurotoxin Genes Type A/B	24 tests	Rapid detection of Botulinum Neurotoxin Genes Type A/B in food
KJD07P	PCR Detection Kit for Botulinum Neurotoxin Genes Type E/F	24 tests	Rapid detection of Botulinum Neurotoxin Genes Type E/F in food
KJD10P	PCR Detection Kit for Cronobacter sakazakii	24 tests	Rapid detection of Cronobacter sakazakii in infant formula, milk and dairy products



Thermo cell



High-speed centrifuge

# Latex Slide Agglutination Test Kit



Code	Product Name	Specification	Intended Use
HM42	HKM Salmonella Latex Kit	50 tests	A sensitive and highly specific test for the identification of Salmonella from clinical and food samples
HM43	HKM Staphylococcus Latex Kit	50 tests	Detects both protein A and coagulase enabling the specific identification of Staphylococcus aureus
HM44	HKM E.coli O157 Latex Kit	50 tests	Highly specific serological identification of this potentially verotoxigenic serogroup of E.coli
HM45	HKM Legionella Latex Kit	50 tests	Permits the identification of L.pneumophila serogroups 1 and 2-15 and Non-L pneumophila species of clinical significance directly from agar plate media
HM47	HKM Streptococcus Latex Kit	50 tests	Allows the rapid grouping of Strep ABCDF&G Availability of individual reagents increases flexibility
HM47-1	HKM Streptococcus.D group Latex Kit	50 tests	Allows the rapid grouping of Strep D Availability of individual reagents increases flexibility
HM48	HKM Listeria Latex Kit	50 tests	A rapid test able to detect Listeria spp.colonies on agar plate media
M41	HKM C. difficile Latex Kit	50 tests	Able to rapidly identify this organism directly from agar plate media
M46	HKM Campylobacter Latex Kit	50 tests	Able to detect the presence of Campylobacter spp.in clinical and food samples

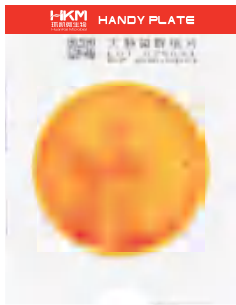
# Microbial Test Strips (Handy Plate™)

**Features:**  
Simple for microbial counts (AC/ CC/YM/ EC/ SL/SA)  
Ready to use , powder free, no liquefaction

## Product Introducton



**Aerobic Count Plate (AC)** Aerobic Count Plate is used for total colonies count for sample from food / beverage etc. Tetrazolium indicator facilitate red colonies.



**Coliform Count Plate (EC)** E.coli Count Plate is used for coliform count for sample from food / beverage etc. Tetrazolium indicator facilitate red colonies. Fermentation of lactose to produce acid and gas.



**Yeast & Mold Count Plate (YM)** Yeast & Mold Plate is used for yeast & mold count for sample from food / beverage etc. Indole indicator facilitate blue-green colonies.



**Staphylococcus Aureus Count Plate (SA)** Staphylococcus Aureus Count Plate is used for staphylococcus aureus count for sample from food / beverage etc. Indole indicator facilitate magenta colonies.

## How to use Handy Plate™



Inoculate

Open upper film, add 1 ml of sample on the middle of plate, cover upper film.



Incubate



Interpret

Indicator dyes facilitate colony counting.

Product Name	Incubate Condition
Aerobic Count Plate	36±1℃, 48h±2h
Coliform Count Plate	36±1℃, 18h-24h
Yeast & Mold Count Plate	28±1℃, 48h-72h

## HANDY PLATE™

Code	Product Name	Specification	Intended Use
HP001	Aerobic Count Plate	20 tests	For total colonies count.
HP002	Coliform Count Plate	20 tests	For Coliform count.
HP003	Yeast & Mold Count Plate	20 tests	For Yeast & Mold count.
HP004	E.coli & Coliform Count Plate	20 tests	For E.coli / Coliform count.
HP005	Salmonella Detection Plate	20 tests	For detection of Salmonella.
HP006	Cronobacter Enterbacter Saka-zakii Detection Plate	20 tests	For Cronobacter Enterbacter Sakazakii count.
HP007	Staphylococcus Aureus Detec-tion Plate	20 tests	For Staphylococcus Aureus count.
HP008	Listeria Monocytogenes Detec-tion Plate	20 tests	For Listeria Monocytogenes count.

## Mold &amp; Coliform Test Strip ( Wet Coliform Test Strip for Tableware)

Code	Product Name	Specification		Intended Use
060020	Mold total count strip	20 pack / box (2 pcs / pack)		For mold & yeast test in water or other food sample.
060030	Colifom test strip - I	10 pack / box (15 pcs / pack)		For coliform test in water.
060040	Colifom test strip - II	10 pack / box (5 pcs / pack)		For coliform test in water.
060050	Colifom test strip - III	10 pack / box (9 pcs / pack)		For coliform test in water.
060090	Antiseptic Colifom test strip	10 pack / box (10 pcs / pack)		For coliform test in food or bervage with preservatives (benzoic acid, sorbitol, etc.)
060061	Wet coliform test strip for tableware	100 pack / box (2 pcs / pack)	2 continuous	For coliform test in tableware.
060062			10 continuous	

## Easy ID Biochemical Identification Kits

### Features:

#### High coverage Rapid response

Covers all necessary reactions & reagents  
Reaction within 4-8h faster than traditional method

#### Easy to operate Easy to interpret

One sample loading, save time  
Obvious contrast, easy to record

#### Seldom impureness

One-step loading to avoid mistakes & directly hand contact



Cross-Section View

Code	Product Name	Reagents & Reactions	Intended Use
HKI001	EasyID IMVC Biochemical Identification Kit for E.coli (10tests)	Reactions:Indole production, Methyl red, Voges Pros-kauer, Citrate(Simmons).	IMVC Biochemical Identification of E.coli
HKI002	EasyID Biochemical Identification Kit for Salmonella (10test)	Reactions:Manitol, Sorbitol, Dulcitol, Salicin, ONPG test, Malonate utilization, Urea hydrolysis, Lysine decarboxylase, Lysine decarboxylase control, Hydrogen sulfide, Indole production, KCN test, KCN control, TSI agar	Biochemical Identification of Salmonella
HKI003	EasyID Biochemical Identification Kit for Bacillus cereus (10test)	Reactions:Manitol, Citrate(Simmons), Lysozyme test, Lysozyme control, Glucose (Anaerobic) & Star-ch hydrolysis, Nitrate reduction, Voges-Proskauer, Motility test, Catalase, Gelatin hydrolysis	Biochemical Identification of Bacillus cereus
HKI004	EasyID Biochemical Identification Kit for Cronobacter (10tests)	Reactions:Lysine decarboxylase, Ornithine decarboxylase, Arginine dehydrolase, Amino acids decarboxylase control, Sorbitol, Amygdalin, Sucrose, Rhamnose, Melibiose, Citrate (Simmons), Oxidase	Biochemical Identification of Cronobacter
HKI005	EasyID Biochemical Identification Kit for diarrheogenic E.coli (10tests)	Reactions:Lactose, Urea hydrolysis, Hydrogen sulfide, Indole production, KCN test, KCN control, Oxidase	Biochemical Identification of E.coli
HKI006	EasyID Biochemical Identification Kit for E.coli O157:H7/NM(10tests)	Reactions:Sorbitol, Cellobiose, Raffinose, LST-MUG, Citrate(Simmons), Lysine decarboxylase, Ornithine decarboxylase, Amino acids decarboxylase control, Indole production, Voges-Proskauer, Methyl red, TSI agar, Motility test,	Biochemical Identification of E.coli O157:H7/NM
HKI007	EasyID Biochemical coding identification for Enterobacteriaceae(5tests)	Reactions:Phenylalanine deaminase, Xylose, Raffinose, Indole production, Sucrose, Ornithine decarboxylase, Lactose, ONPG test, Urea hydrolysis, Citrate(Simmons), Maltose, Lysine decarboxylase, Malonate utilization, Sorbitol, Dulcitol, Arabinose, Melibiose, Rhamnose, Esculin, Methyl red, Hydrogen sulfide, Trehalose, Cellobiose, KCN test, KCN control.	Biochemical coding identification of Enterobacteriaceae
HKI008	EasyID Biochemical Identification Kit for Listeria monocytogenes (10tests)	Reactions: Glucose, Mannose, Esculin, Manitol, Rhamnose, Xylose, Voges-Proskauer, Methyl red, Motility test, Catalase	Biochemical Identification of Listeria monocytogenes
HKI009	EasyID Biochemical Identification Kit for Vibrio Parahaemolyticus (5tests)	Reactions: Peptone Water, 6%NaCl Peptone Water, 8% NaCl Peptone Water, 10%NaCl Peptone Water, 3%NaCl Sucrose, 3%NaCl Lactose, 3%NaCl Manitol, 3%NaCl Glucose, Urea hydrolysis, Voges-Proskauer, ONPG test, 3%NaCl Lysine, 3%NaCl Arginine, 3%NaCl Ornithine, 3%NaCl Amino acids control	Biochemical Identification of Vibrio Parahaemolyticus



## Collecting & Transportation Swab

**Usage:** To collect, store and transfer food, environmental and clinical specimens to microbiology laboratories.

**Principle:** The swab kit consists of a sterile swab, transfer medium and cannula, providing a complete ready-to-use system for collecting, storing and transferring food, environmental and clinical specimens to the microbiology laboratory. The swab can be easily removed without touching the swab head. With nutrient-free, agar-free modified Stuart's or Cary-Blair, PBS, BPW and other media to provide a moist and inert protective environment for specimens to ensure specimen integrity and to minimize the inhibition of other microorganisms.



### Product List:

Code & Product Name	Specification	Medium
HK-CB swab	50 vials x 6 box / carton	Modified cary-blair medium
HK-PS swab	50 vials x 6 box / carton	Saline
HK-PBS swab	50 vials x 6 box / carton	Phosphate buffered solution
HK-BPW swab	50 vials x 6 box / carton	Buffered peptone water

### Relative Culture Medium ( Transport Medium & Strain Medium)

Code	Product Name	Specification	Intended Use
025090	Cary-Blair Transport Medium	100g	For microbial sample collection, transportation and storage, especially for <i>Campylobacter jejuni</i> , <i>Vibrio cholerae</i> , <i>Vibrio parahaemolyticus</i> , <i>Salmonella</i> and <i>Shigella</i> .
025091	Cary-Blair Transport Medium (without agar)	100g	For microbial sample collection, transportation and storage.
025093	Amies Transport Medium (without active carbon)	250g	For transportation and preservation of common microbial specimens.
025094	Amies Transport Medium (with active carbon)	250g	For transportation and preservation of common microbial specimens. especially for <i>Neisseria</i> and <i>Haemophilus influenzae</i> specimens.
025095	Stuart Transport Medium (without active carbon)	250g	For transportation and preservation of specimens of suspected <i>Neisseria</i> , <i>Streptococcus</i> , <i>Salmonella</i> and <i>Shigella</i>
025096	Stuart Transport Medium (with active carbon)	250g	For transportation and preservation of specimens of suspected <i>Neisseria</i> , <i>Streptococcus</i> , <i>Salmonella</i> and <i>Shigella</i> , especially for <i>Neisseria</i> and <i>Haemophilus influenzae</i> specimens
022181	Strain Medium	100g	For common bacterial passage and storage at room temperature.
026050	Semisolid Medium	250g	For bacterial dynamic observation, strain preservation, H antigen phase variation test, etc.

# Microbiological Strain for Quality Control

- Features:
1. The lyophilized strain is in the form of a lump, which could be quickly dissolved completely after the addition of the additive medium.
  2. Vacuum drying removes 95%~ 99% of water, so that the dried product can be stored for a long time without denaturation. The shelf life is extended.
  3. During lyophilization, the metabolism of microorganisms is dormant, so the original traits can be maintained.
  4. The ampoule vials are easy to pack and open, no aerosols, no risk of cutting hands.
  5. The ampoule vials is sturdy and small in size, easy to transport, not easy to break, and free from contamination caused by broken packaging.



Code	Relative Code	Strain Name
FSCC114001	ATCC16404	Aspergillus
FSCC114002	CMCC(F)98003	Aspergillus
FSCC197001	As 3.2788	Penicillium
FSCC197002	GIM3.104	Penicillium funiculosum
FSCC129001	ATCC10231	Candida albicans
FSCC197002	CMCC(F)98001	Candida albicans
FSCC219005	CMCC(B)51572	Shigella flexneri
FSCC219006	CMCC(B)51592	Shigella sonnei
FSCC219003	CMCC(B)51105	Shigella dysenteriae
FSCC145010	ATCC29544	Enterobacter sakazakii
FSCC215012	CMCC(B)50335	Salmonella enteritidis
FSCC215004	CMCC(B)50115	Salmonella typhimurium
FSCC215005	CMCC(B)50093	Salmonella paratyphi A
FSCC215007	CMCC(B)50094	Salmonella paratyphi B
FSCC178006	ATCC19115	Listeria monocytogenes
FSCC178002	CMCC(B)54002	Listeria monocytogenes
FSCC178007	ATCC33090	Listeria innocua
FSCC17802085	ATCC19119	Listeria ivanovii
FSCC135002	ATCC43864	Citrobacter freundii
FSCC145003	CMCC(B)45301	Enterobacter cloacae
FSCC145001	ATCC13048	Enterobacter aerogenes

Code	Relative Code	Strain Name
FSCC204002	CMCC(B)49027	Proteus vulgaris
FSCC204001	CMCC(B)49005	Proteus mirabilis
FSCC217001	CMCC(B)41002	Serratia marcescens
FSCC234002	CMCC(B)52204	Yersinia enterocolitica
FSCC232009	ATCC17802	Vibrio parahaemolyticus
FSCC232004	VBO	Non-O1 Vibrio cholerae
FSCC232030	ATCC27562	Vibrio vulnificus
FSCC23201411	ATCC33787	Vibrio alginolyticus
FSCC 115051	ATCC9372	Bacillus subtilis black variant
FSCC 115036	CMCC(B)63501	Bacillus subtilis
FSCC 115037	ATCC6633	Bacillus subtilis
FSCC 115031	CMCC(B)63202	Bacillus pumilus
FSCC 115002	CMCC(B)63303	Bacillus cereus
FSCC 115001	CMCC(B)63301	Bacillus cereus
FSCC(T)115055	ATCC10792	Bacillus thuringiensis
FSCC(T)115030	ATCC10206	Bacillus licheniformis
FSCC11064	ATCC14945	Bacillus megaterium
FSCC137005	ATCC19404	Clostridium sporogenes
FSCC137006	CMCC(B)64941	Clostridium sporogenes
FSCC 137003	ATCC13124	Clostridium perfringens
FSCC 118001	CICC6071	Bifidobacterium bifidum
FSCC 118003	CICC6069	Bifidobacterium infantis
FSCC173016	ATCC334	Lactobacillus casei cheese subspecies
FSCC173018	ATCC7469	Lactobacillus rhamnosus
FSCC173013	AS1.2686	Lactobacillus acidophilus
FSCC173017	CICC6226	Lactobacillus reuteri
FSCC225005	IFFI6038	Streptococcus thermophilus

FSCC: Food Safety Center of Culture Collection

GIM: Guangdong Culture Collection Center

ATCC: American Type Culture Collection

CMCC: China National Center for Medical Culture Collection

NCTC: British National Center of Type Culture

AS: Institute of Microbiology Chinese Academy of Sciences

CICC: China Center of Industrial Culture Collection

## Quantitative Spore Suspension

### Usage:

Verification and evaluation of sterilization effects of various chemical disinfectants, ethylene oxide, dry heat, performance verification of aseptic cold canning production line, preparation of bacterial slides and verification of sterilization effect of biological safety cabinets.



Product Name	Code	Reference	Strain Name	Specification	Quantity
Spore Suspension	FSCC11502356	ATCC9372	Bacillus atrophaeus	10mL vial /box	10 <sup>9</sup> CFU/mL

## Quantitative Quality Control Strains

### Usage:

Widely used in the pharmaceutical industry, food industry, water and wastewater testing and other related industries for microbiological quality control, especially for medium suitability test, bacteriostatic test, sterility test, microbial limit test, and other positive controls.

### Features:

Accurate bacterial cell content: 110~1100 cfu/vial, 10<sup>6</sup>~10<sup>7</sup> cfu/vial or other custom content. Ready to use, no need for tedious dilution process, greatly improving laboratory efficiency. Stability for at least 12 months, the bacterial content is within the initial range.

### Product List:

Strains Name	Code	Content/0.1ml	
Bacillus cereus	CMCC(B)63303	10-100cfu	1.0-2.0×10 <sup>6</sup> cfu
Bacillus subtilis	CMCC(B)63501	10-100cfu	1.0-2.0×10 <sup>6</sup> cfu
Bacillus subtilis	ATCC6633	10-100cfu	1.0-2.0×10 <sup>6</sup> cfu
Salmonella typhi	CMCC(B)50071	10-100cfu	1.0-2.0×10 <sup>6</sup> cfu
Salmonella typhimurium	ATCC14028	10-100cfu	1.0-2.0×10 <sup>6</sup> cfu
Salmonella paratyphi B	CMCC(B)50094	10-100cfu	1.0-2.0×10 <sup>6</sup> cfu

# Digital Laboratory Equipments & Consumables





# Stainless Steel Multi-Branch Vacuum Filtration Manifold

## Application

HKM Stainless Steel Multi-branch Vacuum Filtration Manifold is a safe, reliable, environmental-friendly, high efficient product. It is one of the necessary equipments in microbiological laboratory. The Filter System is applied in scientific research, quality supervision, drinking water industry, pharmaceutical industry and beverages industry, etc.



## Principle

Negative pressure generated by vacuum pump draws the liquid sample pass through membrane, filtering microbial particles smaller than the pore size on membrane, and those deposited on the membrane then will be sent for further analysis.

## Features and advantages

### 1. Patent product:

The stainless steel fixture obtains patent for its design. It is safe, simple and convenient.

### 2. Modular design:

There is an independent switch to every funnel. You can filter the single sample or more than one sample at the same time. The filter system integrates one stop solution, it equipped with oil-free vacuum pump or diaphragm pump . This system is fit for using in the clean room and lab etc.

### 3. Scientific and ergonomic design:

Stainless steel filter frit is made of high grade 316L stainless steel to ensure the microorganism and granule can distribute equably on the surface. It won' t fracture membrane or bore a hole during filtering.

### 4. Avoid second pollution:

Every funnel is equipped with individual cover. The Air Filter (optional) can be mounted on the hole of the cover, which avoids second pollution during leaching.

### 5. Enhance detection efficacy:

It is easy to clean and sterilize. You can choose moist heat (121°C or 134°C) for 15min or dry heat(180°C) for 120min, and the most effective method is flame ignition using the optional equipped sterilizer. There are clear graduations in the funnel. It is convenient to add the sample quickly and exactly.

### 6. Durable material:

The main components (the filter, the filter fastener, valve, fixture, filter cloth etc) are made of 316L stainless steel.

## Specifications for the filtration system:

### 1. Stainless steel reusable funnel model

Model	MFS-1A-250/500K MFS-1B-500K	MFS-2A-250/500K MFS-2B-500K	MFS-3A-250/500K MFS-3B-500K	MFS-6A-250/500K MFS-6B-500K	MFS-10A-250/500K MFS-10B-500K
Branch number	1	2	3	6	10
Funnel and cover quantity	1	2	3	6	10
Funnel volume	250/500ml				
Fire rack (for funnel sterilizing, optional)	1				
Applicable membrane	Type A: $\Phi 47\text{mm}$ Type B: $\Phi 35\text{mm}$				
Filtration Membrane for microbiological analysis (Optional)	$\Phi 47 \times 0.45\mu\text{m}/0.22\mu\text{m}$ , 200 pieces/box (Individual Pack, sterilized)				
Funnel fire sterilizer (Optional)	PT-220 (Butane gas)				
Dimension	250×160×205mm	330×160×205mm	450×160×205mm	810×160×205mm	1290×160×205mm
Net weight	2.5Kg	5.5Kg	6.5Kg	11.5Kg	18.5Kg

## 2. Plastic disposable funnel model

Model	MFS-1A-DN-K	MFS-2A-DN-K	MFS-3A-DN-K	MFS-6A-DN-K	MFS-10A-DN-K
Branch number	1	2	3	6	10
Applicable disposable funnel	100ml/250ml				
Applicable membrane	$\Phi 47\text{mm}$				
Filtration Membrane for microbiological analysis (Optional)	$\Phi 47 \times 0.45\mu\text{m}/0.22\mu\text{m}$ , 200 pieces/box (Individual Pack, sterilized)				
Dimension	250×160×205mm	330×160×205mm	450×160×205mm	810×160×205mm	1290×160×205mm
Net weight	2.5Kg	5.5Kg	6.5Kg	11.5Kg	18.5Kg

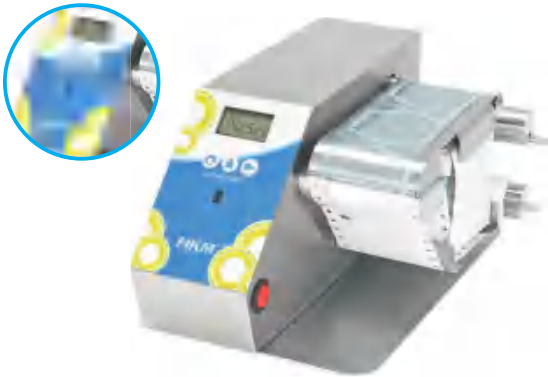
## Specifications for the compatible pump:

Model	SZKB-3A	SZKB-3B	SZKB-3C	SZKB-5A	SZKB-5B	SZKB-5C
Utmost vacuum	650 mbar		780 mbar	650 mbar		750mbar
Max speed (L/min)	6L/min (gas) 3L/min (liquid)	12L/min (gas) 6L/min (liquid)	6L/min (gas) 3L/min (liquid)	25L/min (gas)	50L/min (gas)	25L/min (gas)
Applicable to		gas and liquid			gas only	
Storage bottle	5L waste liquid collecting tank			1L (Optional 2L, 3L, 4L)vacuum storage tank		
Dimension	215×162×163mm					
Power supply	DC 24V 3A					

# Automatic Membrane Filter Dispenser

## Application

It could be used with vacuum filtration system, for automatically dispense of steriled individually packed membrane . By using this, it enhance efficiency and also could avoid contamination arising from manual operation.



## Features:

Through built in optic sensor,it allows membrane filter dispensing without touch the equipment, fast and avoid contamination.

With statistic function, automatic tally membrane filter usage and remaining amount,bring convenience to lab management.

With built in battery, not need outter power supply, could dispense 6000 to 12000 pieces membrane when fully charged.

304 stainless steel exterior, easy to clean and avoid corrosive. Available for sterilization.

New design of protective cover, easier for membrane installation. With built in membrane movement sensor,ensure to dispense membrane filter accurately, then membrane can be easily removed by tweezers.

## Parameters:

Model	I-EXTRACTOR
-------	-------------

Size	300*180*155mm
------	---------------

Power	5W
-------	----

Maximum load	150 pieces
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Response time	<1S
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## Microbial Air Sampler

### Application:

Widely used in pharmaceutical company, milk product plant, clinical operation room, fermentation industry et al, where microbial contamination need to be strictly monitored and controlled. It is also applicable in institutes that need study the air microbial situation.

### Principle:

This microbial air sampler works based on Andersen collision principle. Air is aspirated (at a fixed speed for variable times) through small holes in the instrument's head. The resulting laminar air flow is directed onto the surface of an agar plate. At the end of the sampling cycle, the plate is removed and incubated and the visible colonies are then counted for an assessment of the level of contamination.



### Features:

#### 1. Automatic air flow compensation:

With built in real time air flow monitor sensor, automatically compensate air flow, avoid air flow divergence caused by medium volume in Petri dish etc. ( HKM-II B)

#### 2. Constant sampling speed:

Sampling opening wind speed almost same with clean room wind speed, which more accurately reflect microbial concentration of the clean room, and optimizes impact speed, making false positive result get controlled and guarantees microbial sampling efficiency.

#### 3. User friendly interface:

Simple keypad making menu navigation easy, with all sampling information clearly displayed on LCD. The LCD can also monitor sampling amount (0.01-6.0 m<sup>3</sup>). And user can easily set sampling place code, sampling rate, language, time etc.

#### 4. High efficiency:

Not need to buy and use special test paper or filter membrane.

#### 5. Sampling direction adjustable:

Sampling head adjustable from horizontal to vertical, can meet multi-angle sampling requirements. Also it is light enough to hold while sampling, or can be mounted on a tripod (tripod is optional by order).

#### 6. Data traceability:

Every sampling run generates a unique record, which is stored in the unit (holds up to 2000 records). The data is easily accessed and read on the LCD. For HKM-II A and HKM-II B sampler, also built in software which allows data to be downloaded to computer for reporting, printing and analysis.

#### 7. Long time working:

When fully charged, it can work up to 15 hours continuously using battery, which is high volume rechargeable polymeric lithium battery, it has no memory effect, is safe and durable.

#### 8. 95% sampling efficiency:

Validation work according to BS EN ISO 14698-1:2003 Annex B and Annex C, as carried out by an independent laboratory, which has shown the air sampler have a physical efficiency of 95% for particles 0.8 to 19.0 micron in size.

# Technical Specifications

Model	HKM-II	HKM-II A	HKM-II B
Air flow	100 liter/min		
Impactor nozzle number	300		
Air sample volume	10~6000 liter		
Air flow sensor	No		Automatically compensate
Data transfer	No	Using HKM Sampler software	
Applicable Petri dish	Φ90mm		
Error range	±2.5%		±2.0%
Weight	2.6Kg		
Dimension	110×135×330mm		
Cover material	Silvery, bright blue aluminum alloy		
Screen	LCD, Chinese and English language		
Battery	7.4V rechargeable polymeric lithium battery (can use up to 15 hours)		
Charger	110~240V, 50~60HZ (Universal voltage lithium battery charger)		



# Automated Microbial Compressed Air Sampler

## Application:

Sample microorganism in non-flammable and non-explosive, compressed air stored in air compressor or gasholder, etc. Widely used in food, pharmaceutical and medical industry, etc.

## Principle:

Based on Anderson Impact Principle. After depressurization and current limiting of the compressed air, microorganism in it will dash and attach on the culture medium surface.



real time: Real time monitoring of pressure & flow

## Features:

### 1. Automatic design with high traceability:

Sample microorganism in non-flammable and non-explosive, compressed air stored in air compressor or gasholder, etc. Widely used in food, pharmaceutical and medical industry, etc.

### 2. Built-in air flow and pressure sensor:

The pressure sensing range is 0.1-1MPa. Ensure steady airflow velocity (100L/min), control impact speed, guarantee sampling efficiency.

### 3. Ergonomic interface:

Dual language menu (EN/CN). Set sampling volume, code, procedure, language, time, etc.

### 4. Highly compatibility:

No need special test paper or plate or filter paper, only with 90mm common petri dish.

### 5. Nozzle sampling head & long battery life:

Avoid dust and microbial overlap, reduce colony counting error. With high capacity re-chargeable Lithium battery, safe, durable and able to run up to 6 hours.

## Technical Specifications

Model	CG-100	CG-100A
Material	Host: stainless steel ; sampling head: anodised aluminum	
Flow rate	100L/min	
Air adjustment	Air flow meter (10-100L/min) Air pressure valve (0-1MPa)	
Sampling volume	10-6000L	
Software connected to PC	No	Yes
Power supply	100-240V 50-60Hz	
Input	12.6V 2.0A	
Display	LCD display 122×32	
Battery	12.0V 4200mAh continuously work for 24h	
Dimension	26.5cm×23.5cm×31.5cm	
Weight	4.5Kg	

# Infrared Sterilizer for Inoculation Loops

## Application

For sterilizing to inoculation loops, inoculation needles, small tweezers and small scissors,etc. For purifying workbench, bio-safety cabinet.Can be used next to the exhaust fan or on the mobile car, etc.

## Principle:

Place the stuff into high efficient ceramic infrared heating tube whose temperature can reach to 900 °C. After burning 5-7 seconds, it get fully sterilized.

## Features:

1. **Set sterilizing temperature**  
Set sterilizing temperature as needed.It displays real time sterilizing temperature when working.
2. **Built-in microprocessor temperature controller**  
Adopt self-tuning PID technology, accurately control temperature and respond fast. Once temperature reaches setting value, it will automatically stop heating.
3. **High performance ceramic infrared heating tube**  
Long working life.Ash organic matter in the deep of the tube, prevent cross-contamination.
4. **Wide application environment**  
No open fire, does not cause airflow disturbances in the space like bio-safety cabinet, clean bench.Does not consume oxygen,can be used in the anaerobic chamber.
5. **Ergonomic design**  
Small and light. Its exterior is made of 304 stainless steel,non-corrosive and easy to clean.



## Technical Specifications

Model	HKM-9802A	HKM-9802B
Sterilizing tube length	130mm	100mm
Max disinfection diameter	≤Φ14mm	≤Φ53mm
Max temperature in center	850℃	800℃
Temperature control range	RT+5℃~850℃	RT+5℃~800℃
Accuracy	±15℃	
Heat-up time	750℃ < 20min	
Power	130W	410W
Power supply	AC220V±15%, 50Hz	
Dimension	170×86×190mm	170×105×280mm
Net weight	1.6kg	1.48kg

## Automatic Colony Counter-Smartcounter



### Application

Smartcounter automatic colony counter is widely used in food, beverage quality and health inspection, the dairy industry, hospitals, cosmetics, microbiology laboratory testing among the pharmaceutical industry, etc., suitable for microbial colony counts and analysis, be able to complete all of the Colonies reading type, Smartcounter user interface is simple and easy to use, is a modern microbiological testing laboratories advanced and efficient colony counter.

### Features:

1. Can choose 5, 10, 16 million true color high-resolution CCD camera lens, according to demand and hardware to ensure the accuracy and reliability of the experimental data results.
2. Open-platform design makes operation more convenient and faster.
3. Its bottom LED light design can avoid colony image interference caused by external light shed on the open plate form.
4. The user-friendly operating interface, simple, easy-to-use, laboratory personnel can quickly start to master the operation of experimental colony counting.
5. Quickly read the the number of colonies incubated by methods such as spread, spiral, coating, pour plate etc. , saving a lot of manpower and time thanks to the intelligent recognition technology. It can complete the counting of a ordinary plate within one second.
6. Adopt encrypted USB-key which guarantees data security and database management.
7. Record traceable, it automatically process data and store the image and retrieval recorded data is convenient.
8. Distinguish eight different colors colony, enhancing accuracy;
9. Manually add and delete the colonies, to correct the statistical results.
10. Directly set the non-counting regions to remove area that not want to count, which facilitate accuracy.

# Technical Specifications

Model	Smartcounter-500	Smartcounter-1000	Smartcounter-1600
Camera	Colorful high definition CCD		
CCD resolution (Pixels)	5,000,000	10,000,000	16,000,000
Counting software	HKM Smartcounter software		
Language	Chinese / English		
Colony size resolution	>1mm	>0.5mm	>0.1mm
Colony color recognition	8 colors		
Applicable method	Spread plate, pour plate, membrane filter, spiral plate		
Counting speed	300 colonies,less than 3 seconds		
Light	Long life dual LCD light source		
Working temperature	(0~50)°C		
Material	ABS plastic		
Petri dish	90mm & 55mm		
Host dimension	290×260×380mm		
Weight	3kg		
Power supply	AC220V ±10%, 50Hz		
Power	20W		

# FlidisPump---Liquid Dispensing Pump

## Application

FlidisPump is used for quantitative distribution of liquid medium (such as nutrient broth, buffer protein, water, p-hysiological saline, etc.) and fluid medium, and various complex liquids such as diluents. The assigned time interval can be set to facilitate automatic dispensing of dispenses while displaying flow or speed. It is ergonomically designed with the newly developed hand-held dispenser. It is easier to control the dispensing volume, prevent liquid spillage when distribute in culture dishes, contact vessels, test tubes, and small-capacity triangular flasks. More accurate and efficient.



## Features:

1. Standard hand-held dispensers are used to accurately dispense various complex liquids to prevent liquid dripping and spilling.
2. Stepper motor is adopted to reduce the error caused by slowly start of the motor, and the assembly accuracy can reach 0.5%.
3. Low shear design to ensures high precision for dispensing of emulsion, viscous and foamed liquids.
4. Built-in flow correction function to correct the flow automatically.
5. Low noise design, through the intelligent temperature controller, adjust the working voltage of the cooling fan to achieve the mute effect.
6. Built-in 20 repacking programs, which can also be programmed according to the dispensing volume and dispensing speed.
7. Three working modes: liquid volume distribution, time allocation, and replication allocation.
8. With positive and negative direction control, start and stop control, full speed control.
9. Power-down memory function, when the power is turned off by mistake, restart it and can continue the last assigned setting.
10. With infrared remote control, it can be operated from a distance.
11. RS485 communication, support MODBUS protocol, easy to connect with various control devices.
12. The internal structure adopts double-layer isolation design, and the circuit board is sprayed with three anti-painting processes to achieve dustproof and moisture proof effect.
13. Stainless steel casing, easy to clean, effectively prevent corrosion of various acid and alkali salts and organic solvents.

Flow range	6μl~1600ml/min	Adjustment method	Touch screen, handheld dispenser
Flow accuracy	0.5%	Power supply	AC 220V±10% 50Hz/60Hz
Range of rotation	0.1 to 350 rpm	Power consumption	<30W
Speed accuracy	0.2%	Dimensions	225×150×217mm
Speed resolution	0.1 rpm	External control digital communication interface	RS485 communication, support MODBUS protocol
Time management	0.1~99.9s	Relative humidity	<80%
Operating mode	Liquid distribution, time allocation, replication allocation	Ambient temperature	0 ~ 40 ° C
Direction control	Positive and negative reversible	Weight	4.8kg



# Wireless Temperature and Humidity Monitoring System

## Application:

For temperature and humidity real-time monitoring, tracing, overrun alarm, etc, in all walks of life.

## Principle:

Based on sensing technology, network technology, information management technology, uniformly control every monitoring points. Add expansion hardware as needed, like sound and light alarm, mobile phone SMS alarm.

## Features:

1. Real-time temperature and humidity data acquisition, response quickly.
2. Transmit data via line or wireless way. Automatically transmit data from the receiver to the computer to realize real-time monitoring with the matching monitoring software.
3. Automatically save the data no matter the computer is on or not. Once the software is opened, you can download and transmit the data from the receiver to computer.
4. Have alarm function (with a built-in buzzer). Can set upper and lower limits of temperature and humidity on the software as needed. Or send SMS to your phone with alarm SMS sending platform (optional).
5. The software is compatible with windows XP/7/10. Display and record real-time data and curve, illustrate maximum, minimum and average value.
6. The wireless way adopts network specialized communication protocol and dedicated frequency band approved by State Radio Regulatory Commission, does not disturb other devices.
7. A wireless receiver can connect up to 250 collectors with easy installation, without drilling and re-wiring.



## Technical Specifications

Name	Model	Type	Internal Sensor (1 set)	External Sensor	Specification
Wireless Temperature & Humidity Recorder	WX-WS1	Normal Temperature	Temperature:0°C ~70°C Humidity:0~100% RH	/	/
	WX-WS2			1 set	Temperature:-20°C~100°C±0.5°C
	WX-WS3			2 set	Humidity:0~100%RH±3%RH
	WX-WS1GW1	High Temperature		1 set	Temperature:0°C ~300°C±0.5°C
	WX-WS1GW2			2 set	
	WX-WS2GW1			2 set	Temperature:-20°C~100°C±0.5°C Humidity:0~100%RH±3%RH Temperature:0°C ~300°C±0.5°C
	WX-WS1DW1			1 set	Temperature:-100°C~40°C±0.5°C
	WX-WS1DW2			2 set	
	WX-WS2DW1			2 set	Temperature:-20°C~100°C±0.5°C Humidity:0~100%RH±3%RH Temperature:-100°C~40°C±0.5°C

Name	Model	Type	Internal Sensor (1 set)	External Sensor	Specification
Temperature & Humidity Recorder	TH-WS1	Normal Temperature	Temperature:0℃~70℃ Humidity:0~100% RH	/	/
	TH-WS2			1 set	Temperature:-20℃~100℃±0.5℃ Humidity:0~100%RH±3%RH
	TH-WS3			2 set	
	TH-WS1GW1	High Temperature		1 set	Temperature:0℃~300℃±0.5℃
	TH-WS1GW2			2 set	
	TH-WS2GW1			2 set	Temperature:-20℃~100℃±0.5℃ Humidity:0~100%RH±3%RH Temperature:0℃~300℃±0.5℃
	TH-WS1DW1			1 set	Temperature:-100℃~40℃±0.5℃
	TH-WS1DW2			2 set	
	TH-WS2DW1			2 set	Temperature:-20℃~100℃±0.5℃ Humidity:0~100%RH±3%RH Temperature:-100℃~40℃±0.5℃

## (WX Series) Wireless Temperature &amp; Humidity Recorder Optional Accessories

Name	Model	Remark ( interface)
Wireless data collector (receiver)	WX-R5	USB
Wireless to wired data collector (receiver)	WX-R6	RJ-45
Wireless data repeater	WX-R8	USB
Wireless communication platform (sms transceiver)	GSM-3	RS232
System alarm	GSM-5(HK-B200)	RS232
Data workstation	HKM	Online-monitoring software

# WBK Series Electric Thermostatic Water Bath

## Application:

WBK Series Thermostatic Water Bath is mainly used for the laboratory distillation, drying, concentration and soaking the chemical or biological products, for constant temperature heating and other temperature test. It is an indispensable tool in biological, mining, chemical, medical and health, laboratories, education and scientific research etc.



## Features:

1. Water bath shell, top cover, bottom plate are made of high quality 304 steel, elegant and durable.
2. Using integrated stainless steel container, no leakage, easy to clean.
3. With built in self-tuning PID technique, the microprocessor intelligent temperature control system can adjust temperature quickly, with high accuracy.
4. Adopts timing function, it allows user to freely set thermostat time and stops heating when reaching that time period. Also it equipped alarming function to prompt user when temperature goes wrong.
5. WBK-502S and WBK-800 water bath also has circulating pump, which can deliver thermostat water to outside.
6. Ergonomic design, with microprocessor display on ramp surface, convenient to operate.
7. Wavy 500×300×110
8. Easy for inspection and maintenance.

## Specifications:

Model	WBK-1B	WBK-2A(B)	WBK-4A(B)	WBK-6A(B)	WBK-3B	WBK-502S	WBK-800
Power supply	220V~240V, 50HZ/60HZ						
Power	300W	500W	1000W	1500W	300W×3	1000W	2500W
Holes number	1	2	4	6	3	1	1
Drainage valve	No		1		3	1	
Temp range	RT+5~99℃						
Temp uniformity	±0.5℃					±0.1℃	
Circulation pump	No					8L/min	
Alarm	Set up according to specific needed temperature						
Compartment size (mm)	130×116 ×110	300×150 ×110	320×300 ×110	500×300 ×110	130×116 ×110 3 holes	320×300 ×110	650×450 ×350
Device size (mm)	192×308 ×201	337×247 ×195	363×394 ×195	540×394 ×195	552×308 ×180	525×369 ×203	710×630 ×540

# Shockmixer-1 High Frequency Vibration Homogenizer

## Application:

Wildly applied to the homogenization of animal tissue, dairy products, cosmetics and used in microbial sample preparation of medicines, disposable medical products and food.

## Principle:

It shocks the homogeneous bag(contains sample) with high frequency,producing strong shock waves and high-speed agitation.Microorganisms on or in the sample are driven to the sample suspension,preparing a sample diluent with uniform bacterial concentration.



## Features:

### 1. Standard sample preparation method

In ISO7218:2007, high frequency vibration homogenizer is appointed as standard sample preparation method.

### 2. Better homogenization effect

With frequency 93/sec,it has excellent releasing effect, also to strong adhesive microbe.Experiments shows it can release spore of mold and yeast efficiently.

### 3. Not kill microorganism

Have same result with tapping homogenizer,but do not kill microbe.

### 4. Avoid contamination

Use individual aseptic homogeneous bag, avoiding microbial contamination.No need to sterilize the device.

### 5. Less sample fragment & stirring function

Easy to sample and filter,not block the pipette tip.Reduce interference with rapid test, in high frequency oscillation process,it can stir powder or liquid well.

## Specifications:

Model	ShockMixer-1
Max capacity	250ml
Frequency	93/sec
Power output	60W
Size	315X275X254mm
Weight	11.5kg
Power supply	220V 50HZ

## Optional accessories:

Accessory name	Specifications	Remark
Homogenizing bag(full-width microfiltration)	19x30cm,25 pcs/bag	Sterilized
Homogenizing bag (side nonwoven)	19x30cm,25 pcs/bag	Sterilized
Opener	Acrylic glass	Assist to open bag and put in sample
Sample bag rack	12 grids	For sample bag placement ( stainless steel)

# Numeric Intelligence Electric Thermostatic Incubator

## Features:

### 1. LCD PID control and record system

The LCD-PID control and record system includes the function of record and curve vision. PID Self-tuning control ensures the chamber temperature keep precise and stable in working. The equipment records the temperature of the whole incubation process. It can record 180 days if recording temperature once per minute and will record 900 days if once per 5 minutes. Using high precision temperature sensor, making equipment has less error, high temperature accuracy. Self-tuning function ensures equipment can automatically adjust chamber parameters based on ambient temperature.

### 2. Convenient data processing

Freely retrieve recorded temperature and display its variations curve on LCD screen, and data can also saved in USB flash disk and transfer to PC to show temperature curve and print records, which supplying excellent traceability. Software need PIN password to start, protecting data safety.

### 3. Built in multiple overheating protection measure

Intelligent PID controller has independent overheating alarm system, activating alarm when temperature out of control. It equipped with individual temperature limit device, which protect sample when error occurs.

### 4. Superb and concise design

Chamber made of 304# bright brushed stainless steel, anti corrosion, elegant. Arc shape angle design reduces unnecessary inner surface, easy for cleaning, also helps air uniformly distributed, ensuring equal temperature inside. Air-casing design helps air convection inside, making temperature more equal. Using high grade glass cellucotton, better than ordinary rock wool and foam layer in temperature conservation, it also not absorb moisture, not smelly at high temperature and not easy get burnt. It equipped with toughened glass window, enhancing user convenient observation of inside sample.



## Technical Specifications:

Model	HKP-9092B	HKP-9132B	HKP-9172B	HKP-9222B
Dimension	580×600×825	580×605×915	620×645×1000	700×640×1050
Chamber size (mm)	450×475×450	480×450×600	520×500×680	600×510×760
Chamber capacity (L)	90	130	170	220
Temperature control	Room temperature+5°C~65°C			
Accuracy	±0.1°C			
Uniformity	Room temperature+5°C~65°C			
Shelf number (standard / Max)	2/6	2/8	2/10	2/10
Power supply	220V/50Hz			
Power	≤275	≤350	≤500	≤600

# Pesticide Residue Rapid Tester

## Application:

NC Series Pesticide Residue Tester is a rapid, accurate, convenient pesticide residue test device. It is developed according to national newest standard method for food test and inspection and rapid test technique is introduced in its design. This device can be widely used in organophosphorus and carbamate detection in vegetables and fruits, such as agricultural base, orchard, agricultural market, vegetable distribution center, supermarkets and so on. Besides it is also applicable in agricultural products inspection officials, government bureaus, health quarantine who has authority in food safety inspection.



## Features:

1. Good performance and high sensitivity.
2. Ergonomic design
- 4.3 inch LCD display, streamline exterior with mirage black, elegant and durable.
3. Super bright LED light source, low energy consumption, fast response.
4. Imported photoelectric transducer, it has high sensitivity, overmatch national standard requirements.
5. Using loop automatic light calibration system, avoid light intensity fluctuation caused by environment, ensuring light source in stable optimal state.
6. Thermostatic system, avoid divergence, ensuring long time steadiness.
7. Reagent has heat stability, no problem in conservation and transportation during hot weather.
8. Less consumption of sample and reagent, no second pollution.
9. Has 8 or 16 testing units, every unit equipped with individual light source, sample container and detector.
10. Automatic calibrate to 100%, not need manual calibration normally.
11. With self-checking function, automatically display problem on screen, helping operator do maintenance and repair.
12. Large volume, can store up to 780000 items data.
13. Freely query and delete data and print.
14. With USB interface, can connect to computer for computer control of the device and conduct testing, data processing and analysis etc.
15. Inside high storage battery can work up to 24 hours.
16. Optional ODM Inverter for mobile inspection van.

## Specifications:

Items	Parameters
Channel number	NC-808: 8 / NC-816: 16
Inhibitory rate	0~100%
Absorbance	0~3.0
Absorbance drift	≤0.1%/3min



Items	Parameters
Absorbance accuracy	$\pm 1\%$
Linear error	$\pm 0.5\%$
Repeatability error	$\pm 0.5\%$
Inhibitory rate error	$\pm 2\%$
Time per test	1~9 min
Screen	Full color 4.3inch (Resolution 480×272)
Size	300×200×130mm
Battery	6400mA, work up to 24 hours

## Pesticide and detection limit

Pesticide	Detection limit (mg/kg)
DDVP	0.1
Parathion	1.0
Phoxim	0.3
Methamidophos	2.0
Malathion	4.0
Dimethoate	3.0
Omethoate	0.8
Isofenphos-methyl	5.0
Methomyl	0.1
Carbosulfan	0.05
Dipterex	0.2
Carbofuran	0.05

# SMT-Soil Moisture Tester



## Introduction:

Soil moisture and temperature plays an important role in crops growth, and according to which people can decide when and how much water needed for irrigation. Scientific plan in irrigation can save water and increase yield and quality. SMT Series Soil Tester can meet the test needs like soil monitoring, water-saving irrigation, greenhouse control, precision agriculture research, production, teaching in agricultural, forest, environment protection, water conservancy, weather et al.

## Features:

- 1. Portable, easy to carry, with convenient touch keys and large LCD display.
- 2. Can set the measurement parameters according to specific needs, the sampling time of the sensor can be set independently, and the record is saved automatically.
- 3. With automatic sleep function, when not in use, it will go dormant state, save energy.
- 4. Without data lost when powered off.
- 5. Can connect to the computer for data upload, processing and backup. Software has powerful data processing function(statistical, analysis, display, query), it can form curve using collected data for direct display. Also data can be stored in Excel files, convenient for users to save and process. And software upgrades is permanently free.



## Technical Specifications:

Items	Parameters
Computer interface(For SMT-100A)	USB2.0 Software can test, store and print moisture and humidity data, also available for further analysis.
Data storage capacity	16000 items, can set 2~99 groups
Automatic test and store	Interval span from 1 min to 24 hours
Display	2.6 inch LED Screen, TFT anti-dazzle, with backlit function
Battery	Four 10440 lithium battery (3.6V), work more than 12 hours

Items	Parameters
Language	Chinese/English
Software function	Read tester data and store independently based on tester individual number.Data query, export to Excel and print. Freely set testing groups. Display curve according data and set max and min value. Can display contrast curve among different locations.

## Soil Moisture Sensor Parameters

Items	Parameters
Test range	0~60% (accuracy $\pm 2\%$ , precision 0.1%) 60%-100% (accuracy $\pm 3\%$ )
Test area	90% within cylinder area formed by needle vertical surface (radius 4cm to the needle) and the needle height (7cm).
Working principle	FDR (Frequency Domain Reflectometry)
Exterior material	ABS
Wire length	2m

## Soil Temperature Sensor Parameter

Items	Parameters
Test range	From -10 to 85°C (accuracy $\pm 0.3^\circ\text{C}$ , precision 0.1°C)
Test area	1cm to the needle tip
Material	Stainless steel
Wire length	2m

# Sterilized Filtration Membrane

## Type 1: Mixed cellulose (CN-CA) filtration membrane

This membrane has nice pore-forming quality, excellent hydrophilic performance and is cost effective, it can be used in a wide temperature span and is anti dilute acid corrosion (not suitable for filtration of ketone, ester, strong acid and alkaline etc.). In microbial filtration membrane method, there is nice nutrient osmosis between filter membrane and culture media, colony can grow well under such condition and will not spread obviously during their growth.



## Type 2: Polyether sulfone (PES) filtration membrane

This type membrane has nice chemical and thermo stability, and is applicable for dilute acid, alkaline, arene and most water-soluble alcohols, some esters and ketones. High mechanical strength of it making it not easily got damaged during usage. In microbial filtration membrane method, there is nice nutrient osmosis between filter membrane and culture media, colony can grow well under such condition and will not spread obviously during their growth. The ability of culture media base color osmosis control of this membrane allows low base color to permeate, which reduce influence to the final result interpretation.

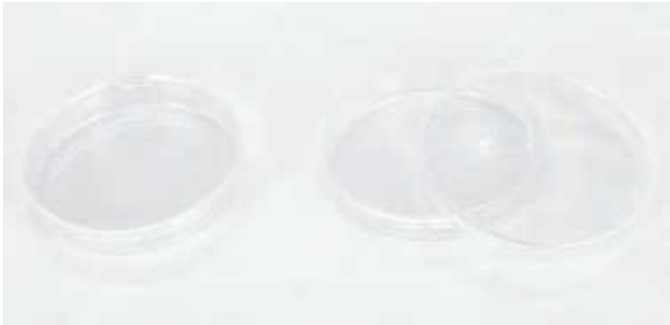
### Specifications:

Type	Diameter	Pore size	Packing
Mixed cellulose (CN-CA)	47mm	0.45/0.22μm	200 pieces/box
Polyether sulfone (PES)			

# Disposable Petri Dish

### Features:

HKM brand disposable Petri dish is made of brand new PS (polystyrene) material, never use renovate or shoddy material. The Petri dish has nice rigidity and good light transmittance performance, which won many clients positive comment.



Specifications:

Size	Packing	Remark
Φ50mm×13mm	10 pcs / bag, 1000 pcs /carton	Sterilized
Φ90mm×13mm	10 pcs / bag, 500 pcs /carton	
Φ90mm×15mm	10 pcs / bag, 500 pcs /carton	
Φ90mm×20mm	10 pcs / bag, 500 pcs /carton	

Disposable Inoculation Loops

Features:

Our disposable inoculation loops are made of Polypropylene (PP), which surface have been treated to be hydrophilic, widely applicab-le in microbial experiment and cell or organism culture experiment etc. They are sterilized by ethylene oxide.

Specifications:

1μl (10 pieces / bag), with blue color  
10μl (10 pieces / bag) with orange color



Syringe filter

Specifications:

Applicable solvent	Diameter	Pore size	Package
Hydrophilic	13mm	0.45μm	100 pieces/box
		0.22μm	100 pieces/box
	25mm	0.45μm	100 pieces/box
		0.22μm	100 pieces/box
Organophilic	13mm	0.45μm	100 pieces/box
		0.22μm	100 pieces/box
	25mm	0.45μm	100 pieces/box
		0.22μm	100 pieces/box

# List of consumables

Intended Usage	Product Name	Specification	Package	MOQ
Sample Collection	Aseptic Sampling Bag with pressure belt (or strip)	12 x 18cm	100/packs	packs
		17.5 x 22.5cm		
		20 x 22cm		
		20 x 28cm		
		2 x 32cm		
		30 x 40cm	50/packs	
		40 x 50cm		
	Aseptic Water Samp -ling Bag	500ML	10/packs	
		500ML (Sodium Thio -sulfate contained)		
	Collecting Transport Swabs	Cary-Blair Transport Medium & Saline	50/packs,300 packs /carton	packs/carton
PBS (Phosphate Buff -ered Solution )				
BPW (Buffered Pepto -ne Water)				
Sterile Saline				
Sample Handling	Full-size Microporous Filtration Sterile Hom -ogenized Bag(apertu -re≈280μm)	HK-Q1930 19 x 30cm	25/packs	packs
	Side Non-woven Filter Sterile Homogenized Bag (micropore diame -ter <250μm)	HK-C1930 19 x 30cm		
	Non-filtered Sterile Ho -mogenized Bag	20 x 32.5cm	100/box	box
	Disposable Sterile Needle Filter	Φ13 x 0.45μm(hydrophilic ) (IWP)	100/packs	packs
		Φ13 x 0.22μm(hydrophilic) (IWP)		
		Φ25 x 0.45μm(hydrophilic) (IWP)		
		Φ25 x 0.22μm(hydrophilic) (IWP)		



Intended Usage	Product Name	Specification	Package	MOQ
Sample Handling	Disposable Sterile Needle Filter	Φ33 x 0.22μm(hydrophilic) (IWP)	100/packs	packs
		Φ33 x 0.22μm(hydrophilic) (IWP)		
	Monolithic Sterile Microbial Filter M-embrane	Φ47mm x 0.45μm (IWP)	200/400pcs/box	box
		Φ47mm x 0.22μm (IWP)		
	Monolithic Sterile Polyether Sulfoxide Microporous Memb-rane	Φ47mm x 0.45μm (IWP)	200pcs/box	
		Φ47mm x 0.22μm (IWP)		
	Continuous Sterilized Microbial Filter Mem-brane(With Fully Aut-omatic Filter Extractor)	Φ47mm x 0.45μm (IWP)	150pcs/box	
		Φ47mm x 0.22μm (IWP)		
	Aseptic Plastic Filter	100ml	25/packs, 150/box	box
250ml		25/packs, 150/box		
Sample Handling	Disposable Sterile Plastic Straw	1ml (IWP)	5000/carton	carton
		3ml (IWP)	2000/carton	
		5ml (IWP)	2000/carton	
	Disposable Pipette	1ml (IWP)	100/packs	packs
		2ml (IWP)	100/packs	
		5ml (IWP)	100/packs	
		10ml (IWP)	100/packs	
	Disposable Quantit-ative Inoculation Loop	10μl	10/packs, 100packs/box	box
		10μl(IWP)	1/packs, 100/box	
		1μl	10/bag, 100/box	
		1μl(IWP)	1/packs, 100/box	
	Disposable Inocul-ation Needle		10/packs, 100 packs/box	
	Disposable L-shaped Spreader	IWP	100/box	
Sample Culturing	Disposable Petri Dish	Φ9cm x 1.5cm	10set/packs, 500set/carton	carton
		Φ9cm x 2cm	10set/packs, 450set/carton	
		Φ6cm x 1.2cm	26 sets x 40 packs /cartons,1040set-s/carton	

# Efficient & Eco-Friendly Detergent , Disinfectant & Water Rapid Testing Products



## Industrial Detergent

Code	Product Name	Specification
080181	CIP alkaline detergent	25kg/barrel
080182	CIP acid detergent	25kg/barrel
080082	Potent oxygen-based external lotion	1kg/bag
080080	High-efficiency alkaline detergent (liquid)	25kg/barrel
080081	High-efficiency alkaline detergent (solid)	1kg/bag
080084	High concentrated alkaline detergent	25kg/barrel
080086	Chlorochlor (chlorine-containing alkaline cleaner)	25kg/barrel
080092	Strong acid detergent (liquid)	25kg/barrel
080091	Strong acid detergent (solid)	1kg/bag
080188	Bottle washing additive bc-100	25kg/bag
080191	Bottle washing additive bc-110	25kg/bag
080189	Bottle washing additive bc-120	25kg/bag
080194	Bottle washing additive (liquid)	25kg/barrel
080244	Water-based chain lubricant lc	25kg/barrel
080247	Water-based chain lubricant lc	60kg/barrel
080248	Water-based chain lubricant lc	200kg/barrel
080240	Water-based chain lubricant	25kg/barrel
080245	Water-based chain lubricant	60kg/barrel
080241	Water-based chain lubricant	200kg/barrel
080243	Water-based chain lubricant hs	25kg/barrel
080249	Water-based chain lubricant hs	25kg/barrel
080252	Water-based chain lubricant hs	200kg/barrel
080090	PM-A acid foam detergent	25kg/barrel
080088	PM-B alkaline foam detergent	25kg/barrel
080087	PM-C chlorinated alkaline foam detergent	25kg/barrel
080231	Scale inhibitor as	25KG/barrel
080350	Alkaline film detergent mb-510	Solid 25KG/barrel

Code	Product Name	Specification
080360	Acid film detergent ma-310	Solid 25KG/barrel
080370	CIP Additive AD-502	25KG/barrel
080380	CIP Additive AD-800	25KG/barrel

## Industrial Disinfectant

Code	Product Name	Specification
080010	Chlorine dioxide disinfectant	25kg/barrel
080050	Dichlorinated disinfection powder	400g (20g×20 packets)
080052	Dichlorinated disinfection powder	1kg/bottle
080060	Sodium dichloroisocyanurate	1kg/bottle
080062	Sodium dichloroisocyanurate	25kg/barrel
0800130	Peracetic acid disinfectant	25kg/barrel
0800132	Peracetic acid disinfectant	5 kg / barrel
080100	Peracetic acid disinfectant	25kg/barrel
080103	Peracetic acid disinfectant	5 kg / barrel
080290	Quaternary ammonium salt disinfectant	25kg/barrel
080291	Quaternary ammonium salt disinfectant	5kg/barrel
080292	Quaternary ammonium salt disinfectant	2.5kg/barrel
080035	Citric acid disinfectant (ys)	20 packs/box

## Medical Disinfectant

Code	Product Name	Specification
009010	Glutaraldehyde disinfectant	2500ml / bottle
009020	Glutaraldehyde disinfectant	5000ml/bottle
080300	Povidone iodine disinfectant	60ml
080310	Povidone iodine disinfectant	500ml
080320	Povidone iodine disinfectant	1000ml
080050	Dichlorinated disinfection powder	400g (20g ×20 packets)
080103	HKM® Peracetic Acid Disinfectant	5kg/barrel

Code	Product Name	Specification
080132	Peracetic acid disinfectant	5kg/barrel
080500	Citric acid disinfectant 25%	5L/barrel
080510	Citric acid disinfectant 50%	5L/barrel
080520	Hand sanitizing gel	500ml
080401	Multi-enzyme cleaning agent	1000ml
080411	Skin disinfectant	60ml

## Pocket Colorimeter

Code	Product Name	Specification	Test Range
090091	Ozone pocket colorimeter	1 set / box	0-2.5mg/L
090006	Additive reagent for ozone pocket colorimeter	100 times / bag	0-2.5mg/L
090100	Free chlorine / total chlorine pocket colorimeter	1 set / box	0-3.0mg/L
090007	Additive reagent for free chlorine pocket colorimeter	100 times / bag	0-3.0mg/L
090008	Additive reagent for total chlorine pocket colorimeter	100 times / bag	0-3.0mg/L
090104	Chlorine dioxide pocket colorimeter	1 set / box	0-5.0mg/L
090009	Additive reagent for chlorine dioxide pocket colorimeter	100 times / bag	0-5.0mg/L
090097	Chlorine dioxide pocket colorimeter	1 set / box	5.0-999mg/L
090005	Additive reagent for chlorine dioxide pocket colorimeter	100 times / bag	5.0-999mg/L
090101	Nitrite pocket colorimeter	1 set / box	0-1.5mg/L
090103	Additive reagent for nitrite pocket colorimeter	100 times / bag	0-1.5mg/L
090125	Multiple parameters(4 in 1 )pocket colorimeter	1 set / box	Ozone:0-2.5mg/L; Free Chlorine:0-3.0mg/L; Total Chlorine:0-3.0mg/L; Chlorine Dioxide:0-5.0mg/L;



## Water Test Kits

Code	Product Name	Specification	Test Range
090012	Ozone test kit	100 Tests	0.05-0.1-0.2-0.3-0.4-0.5-0.7-1mg/L
090022	Free chlorine test kit	100 Tests	0.05-0.1-0.2-0.3-0.4-0.5-0.7-1mg/L
090042	Free chlorine test kit ( pool )	100 Tests	0.05-0.1-0.2-0.3-0.4-0.5-0.7-1mg/L
090202	Free chlorine test kit (tap water)	100 Tests	0.05-0.1-0.2-0.3-0.4-0.5-0.7-1mg/L
090034	Total chlorine test kit	100 Tests	0.05-0.1-0.2-0.3-0.4-0.5-0.7-1mg/L
090303	Total chlorine test kit (tap water)	100 Tests	0.05-0.1-0.2-0.3-0.4-0.5-0.7-1mg/L
090242	Chlorine dioxide test kit	100 Tests	0.05-0.1-0.2-0.3-0.5-0.8-1.4-2mg/L
090700	Quaternary ammonium compounds test kit	50 Tests	0-0.5-1-2-4-6mg/L
090131	Low hardness test kit (soft water)	50 Tests	0.4-20mg/L (As CaCO <sub>3</sub> )
090043	Total hardness test kit (LR)	50 Tests	4-200mg/L (As CaCO <sub>3</sub> )
090041	Total hardness test kit (HR)	50 Tests	12-600mg/L (As CaCO <sub>3</sub> )
090550	Calcium (magnesium) hardness test kit	50 Tests	10-200mg/L
090150	Alkalinity test kit (LR)	50 Tests	10-200mg/L (As CaCO <sub>3</sub> )
090151	Alkalinity test kit (HR)	50 Tests	100-2000mg/L (As CaCO <sub>3</sub> )
090140	Chloride test kit	50 Tests	20-400mg/L
090460	Dissolved oxygen test kit	50 Tests	0.2-20mg/L
090461	Dissolved oxygen test kit	50 Tests	0.5-1-3-5-7-10-15-20mg/L
090800	COD test kit (HR)	50 Tests	0-30-60-120-200-250mg/L
090801	COD test kit (LR)	50 Tests	0-2-4-6-8mg/L
090080	Ammonia test kit (LR)	50 Tests	0.01-0.05-0.1-0.2-0.4-0.6-0.8-1mg/L
090085	Ammonia test kit (HR)	50 Tests	0-0.5-1-2-5-10mg/L
090161	Phosphate test kit	50 Tests	0.03-0.06-0.1-0.15-0.2-0.3-0.4-0.5mg/L
090200	Sulfide test kit	50 Tests	0.02-0.05-0.1-0.2-0.4-0.5-0.6-0.8mg/L
090395	Nitrate test kit	50 Tests	0.1-0.5-1-2-5-10mg/L
090230	Nitrite test kit	50 Tests	0.01-0.03-0.05-0.1-0.2-0.3-0.4-0.5mg/L
090060	Nitrite test kit (purified water )	50 Tests	0.002mg/L
090420	Fluorine test kit	50 Tests	0-0.1-0.2-0.3-0.5-0.7-10-1.5mg/L
090380	Formaldehyde test kit	50 Tests	0-0.05-0.1-0.2-0.4-0.6-0.9-1.5mg/L



Code	Product Name	Specification	Test Range
090431	Cyanide test kit	50 Tests	0.005-0.01-0.05-0.1-0.2-0.5mg/L
090170	Arsenic test kit	20 Tests	0.004-0.008-0.016-0.04-0.054-0.064-0.08mg/L
090900	Heavy metal test kit	20 Tests	0-0.5-1mg/L(Pb),0-0.1-0.5mg/(Cd,Hg)
090070	Hexavalent chromium (vi) test ki	100 Tests	0.05-0.1-0.2-0.3-0.4-0.6-0.8-1mg/L
090071	Total chromium test kit	50 Tests	0.05-0.1-0.3-0.5-0.7-1mg/L
090180	Total iron test kit	50 Tests	0.05-0.1-0.2-0.3-0.4-0.6-0.8-1mg/L
090220	Copper test kit	50 Tests	0.2-0.4-1-2-3-5mg/L
090190	Manganese test kit	50 Tests	0.1-0.5-1-2-5-10mg/L
090270	Silver test kit	50 Tests	0-0.05-0.1-0.2-0.3-0.4-0.5mg/L
090260	Aluminum test kit	50 Tests	0-0.01-0.02-0.04-0.06-0.1-0.1-0.2mg/L
090290	Nickel test kit	50 Tests	0-0.05-0.1-0.2-0.3-0.4mg/L
090280	Beryllium test kit	50 Tests	0-2-5-10-15-20-25-30μg/L
090450	Metasilicate test kit	50 Tests	5-10-15-25-50-80-120-200mg/L
090540	Silicate test kit	50 Tests	0.1-0.3-0.5-0.7-1.0-1.5-2.0-3.0mg/L
090560	Citric acid test kit	50 Tests	0-5-10-20mg/L
090530	Urea test kit	20 Tests	0.5-1.0-1.5-2.0-2.5-3.5-5.0-10mg/L



Water Test Strips

Code	Product Name	Specification	Test Range
090510	Free chlorine test strip	100 Tests	0.1-0.5-1-3-5-7-10mg/L
090500	Effective chlorine test strip	100 Tests	20-50-100-300-500-700-1000-1500mg/L
090021	Chlorine dioxide test strip (LR)	100 Tests	0-0.5-1-2-5-10-20mg/L
090020	Chlorine dioxide test strip (HR)	100 Tests	10-50-100-200-300-400-500mg/L
090300	Peracetic acid test strip (LR)	100 Tests	0.5-1-2-4-10-20-40mg/L
090310	Peracetic acid test strip (HR)	100 Tests	50-125-250-500-700-1000-1500-2000mg/L
090350	Peroxide test strip (LR)	100 Tests	0-0.5-1-2-4-10-25mg/L
090360	Peroxide test strip (HR)	100 Tests	50-100-200-300-500-700-1000-1500mg/L
090495	Glutaraldehyde test strip	100 Tests	0-0.5-1-1.5-2-2.5%
090044	Total hardness test strip	100 Tests	0-5-10-15-20-25d
090026	Total hardness test strip (individual package)	1 Test	0-25-50-120-250-425mg/L
090026-1	Total hardness test strip	100 Tests	0-25-50-120-250-425mg/L
090441	Ammonia test strip (LR)	100 Tests	0-2-5-10-30-50-70-100mg/L
090440	Ammonia test strip (HR)	100 Tests	0-5-10-25-50-100-200-400mg/L
090491	Phosphate test strip (LR)	100 Tests	0-1-5-20-35-50-70-100mg/L
090490	Phosphate test strip (HR)	100 Tests	0-3-10-25-50-100-200-400mg/L
090205	Sulfate test strip	100 Tests	200-400-800-1200-1600mg/L
090520	Nitrite test strip	100 Tests	0-1-5-10-20-40-80-150mg/L





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