

**FORMULARUL STANDARD AL DOCUMENTULUI UNIC
DE ACHIZIȚII EUROPEAN**

1. Documentul unic de achiziții europene, (în continuare, DUAE) este o declarație pe proprie răspundere, prin care operatorul economic confirmă îndeplinirea criteriilor de calificare și selecție necesare în cadrul procedurilor de achiziție publică în Republica Moldova.
2. Formularul este completat, semnat electronic și transmis autorității contractante la depunerea ofertei.
3. Un DUAE depus de către operatorul economic în cadrul unei proceduri de achiziție publică anterioară poate fi reutilizat, cu condiția ca informațiile cuprinse în formular să fie corecte și valabile la data depunerii acestuia.
4. Ofertantul care prezintă în DUAE informații false sau documentele justificative prezentate nu confirmă informația indicată în documentul prezentat este exclus din procedura de achiziție publică și/sau poate răspunde conform legislației.
5. Formularul DUAE este constituit din 7 capitole, și anume:
 - 1) Capitolul I. Informații privind procedura de achiziție publică și autoritatea/entitatea contractantă;
 - 2) Capitolul II. Informații referitoare la operatorul economic;
 - 3) Capitolul III. Motive de excludere din cadrul procedurii de achiziție publică;
 - 4) Capitolul IV. Criteriile de calificare și selecție a operatorilor economici;
 - 5) Capitolul V. Indicații generale pentru criteriile de selecție a operatorilor economici;
 - 6) Capitolul VI. Preselecția candidaților pentru procedura de atribuire a contractului de achiziție publică;
 - 7) Capitolul VII. Declarații finale.
6. Prezentarea formularului DUAE la depunerea ofertei care nu este conform cu cerințele stabilite în Documentația de atribuire duce la respingerea ofertei.

Capitolul I. Informații privind procedura de achiziție publică și autoritatea/entitatea contractantă

Compartimentul se completează doar de către autoritatea/entitatea contractantă.

Cod poziție	Conținutul cerinței	Răspuns
1	2	3
A. Informații despre publicare		
1A.1	Numărul anunțului/invitației publicate în Buletinul achizițiilor publice, și după caz numărul anunțului publicat în Jurnalul Oficial al Uniunii Europene	ocds-b3wdp1-MD-1618557081221
B. Identitatea autorității/entității contractante		
1B.1	Denumirea autorității/entității contractante	Centrul pentru Achiziții Publice Centralizate În Sănătate
1B.2	Număr unic de identificare (IDNO) a autorității/entității contractante	1016601000212

Capitolul II. Informații referitoare la operatorul economic

Compartimentul se completează doar de către operatorii economici.

Cod poziție	Conținutul cerințelor	Răspuns
1	2	3
A. Informații privind operatorul economic		
2A.1	Denumirea operatorul economic	«TRIUMF-MOTIV» SRL
2A.2	Țara	Moldova
2A.3	Cod poștal	2043
2A.4	Oraș/Localitate	mun. Chisinau
2A.5	Adresa juridică	str. Grenoble 193 of. 1301
2A.6	Pagina web	
2A.7	Persoana sau persoanele de contact	Jighili Tatiana
2A.7.1	Telefon	+373 22 768841
2A.7.2	Adresa de e-mail	triumf.motiv@mail.ru
2A.8	Număr unic de identificare (IDNO/IDNP)	1012600021180

2A.9	Numărul cod TVA	0308703
2A.10	Forma organizatorico-juridică a activității de antreprenoriat	Societatea cu raspundere limitata
2A.11	Informația cu privire la numele acționarilor/asociaților/beneficiarului efectiv	
2A.11.1	Numele acționarilor / asociaților	Jighili Tatiana
2A.11.2	Numele beneficiarului efectiv [beneficiar efectiv – persoană fizică ce deține sau controlează în ultimă instanță o persoană fizică sau juridică ori beneficiar al unei societăți de investiții sau administrator al societății de investiții, ori persoană în al cărei nume se desfășoară o activitate sau se realizează o tranzacție și/sau care deține, direct sau indirect, dreptul de proprietate sau controlul asupra a cel puțin 25% din acțiuni sau din dreptul de vot al persoanei juridice ori asupra bunurilor aflate în administrare fiduciară]	Jighili Tatiana Jighili Tatiana
2A.11.3	Cetățenia beneficiarului efectiv (legătură juridico-politică permanentă a persoanei fizice definite conform poziției 2A.11.2)	MDA MDA
2A.12	Operatorul economic este: • întreprindere mică • întreprindere mijlocie • și altele	întreprindere mică
2A.13	În cazul în care achiziția este rezervată: operatorul economic este un atelier protejat sau o întreprindere socială, sau va asigura executarea contractului în contextul programelor de angajare protejată?	Da
2A.13.1	Dacă da, care este procentul corespunzător de lucrători cu dizabilități sau defavorizați?	0%
2A.13.2	Specificați cărei sau căror categorii de lucrători cu dizabilități sau defavorizați le aparțin angajații în cauză?	Nu
2A.14	Operatorul economic participă la procedura de achiziții publice împreună cu alți operatori economici?	Nu
2A.14.1	Dacă Da, precizați rolul operatorului economic în cadrul grupului (lider, responsabil cu îndeplinirea unor sarcini specifice, etc).	-
2A.14.2	Numiți operatorii economici care participă la procedura respectivă de achiziție publică.	-
2A.14.3	Specificați denumirea grupului participant.	-
Notă. Dacă ați răspuns Da la întrebarea 2A.14, asigurați-vă ca operatorii economici menționați să prezinte un formular DUAE separat.		
B. Informații privind reprezentanții operatorului economic		
Indicați numele persoanei (persoanelor) împuternicită (împuternicite) să îl reprezinte pe operatorul economic în scopurile prezentei proceduri de achiziție publică.		
2B.1	Nume și prenume	Jighili Tatiana
2B.2	Poziție/acționând în calitate de..	administrator
2B.3	Țară	Republica Moldova
2B.4	Telefon	+373 22 768841
2B.5	Adresa de e-mail	triumf.motiv@mail.ru
C. Informații privind utilizarea capacităților altor entități		
2C.1	Operatorul economic utilizează capacitățile altor entități pentru a satisface criteriile de selecție prevăzute în capitolul IV, precum și (dacă este cazul) criteriile și regulile menționate în capitolul V de mai jos?	Nu
Notă. Dacă ați răspuns Da la întrebarea 2C.1, prezentați un formular DUAE separat care să cuprindă informațiile solicitate în secțiunile A și B din capitolul respectiv și din capitolul III pentru fiecare dintre entitățile în cauză, completat și semnat în mod corespunzător de entitățile în cauză. Atragem atenția asupra faptului că trebuie incluși, de asemenea, tehnicienii sau organismele tehnice implicate, indiferent dacă fac sau nu parte din întreprinderea operatorului economic, în special cei care răspund de controlul calității și, în cazul contractelor de achiziții publice de lucrări, tehnicienii sau organismele tehnice la care poate face apel operatorul economic în vederea executării lucrărilor. În măsura în care este relevant pentru capacitatea		

<i>(capacitățile) specifică (specifice) utilizată (utilizate) de operatorul economic, includeți informațiile prevăzute în capitolele IV și V pentru fiecare dintre entitățile în cauză.</i>		
D. Informații privind subcontractanții pe ale căror capacități operatorul economic se bazează		
2D.1	Operatorul economic intenționează să subcontracteze vreo parte din contract cu alți operatori economici?	Nu
2D.1.1	<i>Dacă Da, enumerați subcontractanții propuși.</i>	-

Capitolul III. Motive de excludere din cadrul procedurii de achiziție publică

Compartimentul se completează de către operatorii economici.

Cod poziție	Conținutul cerințelor	Răspuns
A. Motive referitoare la condamnări prin hotărârea definitivă a unei instanțe judecătorești		
1	2	3
3A.1	Participare la o organizație criminală. Operatorul economic însuși sau orice persoană care este membru al organismului de administrare, de conducere sau de supraveghere al acestuia sau care are putere de reprezentare, de decizie sau de control în cadrul acestuia a făcut obiectul unei condamnări pronunțate printr-o hotărâre definitivă pentru participare la o organizație criminală, printr-o condamnare pronunțată cu cel mult cinci ani în urmă sau în care continuă să se aplice o perioadă de excludere prevăzută în mod direct în condamnare?	Nu
3A.2	Corupție. Operatorul economic însuși sau orice persoană care este membru al organismului de administrare, de conducere sau de supraveghere al acestuia sau care are putere de reprezentare, de decizie sau de control în cadrul acestuia a făcut obiectul unei condamnări pentru corupție pronunțate printr-o hotărâre definitivă, printr-o condamnare pronunțată cu cel mult cinci ani în urmă sau în care continuă să se aplice o perioadă de excludere prevăzută în mod direct în condamnare?	Nu
3A.3	Fraude. Operatorul economic însuși sau orice persoană care este membru al organismului de administrare, de conducere sau de supraveghere al acestuia sau care are putere de reprezentare, de decizie sau de control în cadrul acestuia a făcut obiectul unei condamnări pentru fraudă pronunțate printr-o hotărâre definitivă, printr-o condamnare pronunțată cu cel mult cinci ani în urmă sau în care continuă să se aplice o perioadă de excludere prevăzută în mod direct în condamnare?	Nu
3A.4	Infrațiuni teroriste sau infracțiuni legate de activitățile teroriste. Operatorul economic însuși sau orice persoană care este membru al organismului de administrare, de conducere sau de supraveghere al acestuia sau care are putere de reprezentare, de decizie sau de control în cadrul acestuia a făcut obiectul unei condamnări pentru infracțiuni teroriste sau infracțiuni legate de activități teroriste, pronunțate printr-o hotărâre definitivă, printr-o condamnare pronunțată cu cel mult cinci ani în urmă sau în care continuă să se aplice o perioadă de excludere prevăzută în mod direct în condamnare?	Nu
3A.5	Spălare de bani sau finanțarea terorismului. Operatorul economic însuși sau orice persoană care este membru al organismului de administrare, de conducere sau de supraveghere al acestuia sau care are putere de reprezentare, de decizie sau de control în cadrul acestuia a făcut obiectul unei condamnări pentru infracțiuni teroriste sau infracțiuni legate de activități teroriste, pronunțate printr-o hotărâre definitivă, printr-o condamnare pronunțată cu cel mult cinci ani în urmă sau în care	Nu

	continuă să se aplice o perioadă de excludere prevăzută în mod direct în condamnare?	
3A.6	Exploatarea prin muncă a copiilor și alte forme de trafic de persoane. Operatorul economic însuși sau orice persoană care este membru al organismului de administrare, de conducere sau de supraveghere al acestuia sau care are putere de reprezentare, de decizie sau de control în cadrul acestuia a făcut obiectul unei condamnări pronunțate printr-o hotărâre definitivă pentru exploatarea prin muncă a copiilor și alte forme de trafic de persoane, printr-o condamnare pronunțată cu cel mult cinci ani în urmă sau în care continuă să se aplice o perioadă de excludere prevăzută în mod direct în condamnare?	Nu
3A.7	În cazul că răspunsul este Da pentru cel puțin una din întrebările 3A.1 – 3A.6, puteți furniza dovezi care să arate că măsurile luate sunt suficiente pentru a demonstra fiabilitatea, în pofida existenței unui motiv de excludere?	-
3A.7.1	<i>Dacă Da, descrieți aceste măsuri.</i>	-
B. Motive privind plata impozitelor sau/și a contribuțiilor de asigurări sociale		
	Plata impozitelor	
3B.1	Operatorul economic și-a onorat obligațiile cu privire la plata impozitelor, taxelor și contribuțiilor sociale în conformitate cu prevederile legale în vigoare în Republica Moldova sau în țara în care este stabilit?	Da
3B.1.1	<i>Dacă Nu, în ce mod a fost stabilită obligația cu privire la plata impozitelor, taxelor și contribuțiilor sociale?</i>	-
3B.1.2	<i>În cazul în care, încălcarea cu referire la obligațiile privind plata impozitelor, taxelor și contribuțiilor sociale a fost stabilită printr-o hotărâre judecătorească sau administrativă, această decizie este definitivă?</i>	Da
3B.1.3	<i>În cazul în care, încălcarea cu referire la obligațiile privind plata impozitelor, taxelor și contribuțiilor sociale a fost stabilită printr-o hotărâre judecătorească sau administrativă, precizați data și numărul deciziei.</i>	-
3B.2	Operatorul economic beneficiază, în condițiile legii, de eșalonarea obligațiilor de plată a impozitelor, taxelor și contribuțiilor de asigurări sociale ori de alte facilități în vederea plății acestora, inclusiv a majorărilor de întârziere (penalităților) și/sau a amenzilor? Notă: Se completează doar în cazul în care ați răspuns Nu, la întrebarea din 3B.1.	-
3B.2.1	<i>Dacă Da, operatorul economic este în măsură să furnizeze actul privind eșalonarea obligațiilor de plată a impozitelor, taxelor și contribuțiilor de asigurări sociale ori de alte facilități în vederea plății acestora?</i>	-
3B.3	Operatorul economic este în măsură să furnizeze un certificat cu privire la plata impozitelor sau să furnizeze informații privind onorarea obligațiilor fiscale?	-
3B.4	Informațiile privind lipsa/existența restanțelor față de bugetul public național sunt disponibile gratuit pentru autorități, prin accesarea unei baze de date naționale? Dacă da, specificați informația care ar permite verificarea.	-
		-
		-
C. Includerea în lista de interdicție a operatorilor economici		
3C.1	Operatorul economic este înscris în lista de interdicție a operatorilor economici?	-
3C.1.1	<i>În cazul că răspunsul este Da pentru întrebarea 3C.1, puteți furniza dovezi care să arate că măsurile luate sunt suficiente</i>	-

	<i>pentru a demonstra fiabilitatea, în pofida existenței unui motiv de excludere?</i>	
3C.1.2	<i>Dacă Da, descrieți aceste măsuri.</i>	-
D. Motive legate de insolvabilitate, conflicte de interese sau abateri profesionale		
	Obligațiile aplicabile în domeniul mediului, muncii și asigurărilor sociale	
3D.1	Operatorul economic a încălcat obligațiile în domeniul mediului în ultimii 3 ani?	Nu
3D.1.1	<i>În cazul că răspunsul este Da pentru întrebarea 3D.1, puteți furniza dovezi care să arate că măsurile luate sunt suficiente pentru a demonstra fiabilitatea, în pofida existenței unui motiv de excludere?</i>	-
3D.1.2	<i>Dacă Da, descrieți aceste măsuri.</i>	-
3D.2	Operatorul economic a încălcat obligațiile în domeniul social în ultimii 3 ani?	Nu
3D.2.1	<i>În cazul că răspunsul este Da pentru întrebarea 3D.2, puteți furniza dovezi care să arate că măsurile luate sunt suficiente pentru a demonstra fiabilitatea, în pofida existenței unui motiv de excludere?</i>	-
3D.2.2	<i>Dacă Da, descrieți aceste măsuri.</i>	-
3D.3	Operatorul economic a încălcat obligațiile în domeniul muncii în ultimii 3 ani?	Nu
3D.3.1	<i>În cazul că răspunsul este Da pentru întrebarea 3D.3, puteți furniza dovezi care să arate că măsurile luate sunt suficiente pentru a demonstra fiabilitatea, în pofida existenței unui motiv de excludere?</i>	-
3D.3.2	<i>Dacă Da, descrieți aceste măsuri.</i>	-
	Insolvabilitatea	
3D.4	Operatorul economic este în situație de insolvabilitate sau de lichidare a activității antreprenoriale ca urmare a unei hotărâri judecătorești?	Nu
3D.4.1	<i>În cazul că răspunsul este Da pentru întrebarea 3D.4, puteți furniza dovezi care să arate că măsurile luate sunt suficiente pentru a demonstra fiabilitatea, în pofida existenței unui motiv de excludere?</i>	-
3D.4.2	<i>Dacă Da, descrieți aceste măsuri.</i>	-
	Active administrate de lichidator	
3D.5	Activele operatorului economic sunt administrate de un lichidator sau de o instanță?	Nu
3D.5.1	<i>În cazul că răspunsul este Da pentru întrebarea 3D.5, puteți furniza dovezi care să arate că măsurile luate sunt suficiente pentru a demonstra fiabilitatea, în pofida existenței unui motiv de excludere?</i>	-
3D.5.2	<i>Dacă Da, descrieți aceste măsuri.</i>	-
	Activitățile economice sunt suspendate	
3D.6	Activitățile economice ale operatorului economic sunt suspendate?	Nu
3D.6.1	<i>În cazul că răspunsul este Da pentru întrebarea 3D.6, puteți furniza dovezi care să arate că măsurile luate sunt suficiente pentru a demonstra fiabilitatea, în pofida existenței unui motiv de excludere?</i>	-
3D.6.2	<i>Dacă Da, descrieți aceste măsuri.</i>	-
	Acorduri cu alți operatori economici care vizează denaturarea concurenței	
3D.7	Operatorul economic, în ultimii 3 ani, a încheiat acorduri cu alți operatori economici care au ca obiect denaturarea concurenței, fapt constatat prin decizie a organului abilitat în acest sens?	Nu
3D.7.1	<i>În cazul că răspunsul este Da pentru întrebarea 3D.7, puteți furniza dovezi care să arate că măsurile luate sunt suficiente</i>	-

	<i>pentru a demonstra fiabilitatea, în pofida existenței unui motiv de excludere?</i>	
3D.7.2	<i>Dacă Da, descrieți aceste măsuri.</i>	-
	Conflict de interes	
3D.8	Operatorul economic se află într-o situație de conflict de interes care nu poate fi remediată?	Nu
3D.8.1	<i>În cazul că răspunsul este Da pentru întrebarea 3D.8, puteți furniza dovezi care să arate că măsurile luate sunt suficiente pentru a demonstra fiabilitatea, în pofida existenței unui motiv de excludere?</i>	-
3D.8.2	<i>Dacă Da, descrieți aceste măsuri.</i>	-
	Etica profesională	
3D.9	Operatorul economic a fost condamnat, în ultimii 3 ani, prin hotărâre definitivă a unei instanțe judecătorești, pentru o faptă care a adus atingere eticii profesionale sau pentru comiterea unei greșeli în materie profesională?	Nu
3D.9.1	<i>În cazul că răspunsul este Da pentru întrebarea 3D.9, puteți furniza dovezi care să arate că măsurile luate sunt suficiente pentru a demonstra fiabilitatea, în pofida existenței unui motiv de excludere?</i>	-
3D.9.2	<i>Dacă Da, descrieți aceste măsuri.</i>	-
	Integritatea	
3D.10	Operatorul economic, în ultimii 3 ani, se face vinovat de o abatere profesională, care îi pune la îndoială integritatea?	Nu
3D.10.1	<i>În cazul că răspunsul este Da pentru întrebarea 3D.10, puteți furniza dovezi care să arate că măsurile luate sunt suficiente pentru a demonstra fiabilitatea, în pofida existenței unui motiv de excludere?</i>	-
3D.10.2	<i>Dacă Da, descrieți aceste măsuri.</i>	-

Capitolul IV. Criteriile de calificare și selecție a operatorilor economici

Compartimentul se completează de către autoritatea/entitatea (coloana nr.2) contractantă și operatorii economici (coloana nr.3).

Cod poziție	Conținutul cerințelor	Răspuns
1	2	3
A. Capacitatea de exercitare a activității profesionale		
4A.1	Operatorul economic este în măsură să furnizeze documentul/documentele prin care se va demonstra înregistrarea acestuia?	Da
4A.1.1	<i>Dacă Da, indicați actele de înregistrare a activității antreprenoriale și genul (genurile) de activitate determinate de legislație, aferent obiectului procedurii de atribuire a contractului, în baza căreia întreprinderea are dreptul să execute viitorul contract de achiziție publică.</i>	• Licența de activitate • Autorizația • Certificat de înregistrare
4A.1.2	<i>Actele de înregistrare a activității antreprenoriale, sunt disponibile gratuit pentru autorități dintr-o bază de date națională? Dacă da, specificați informația care ar permite verificarea.</i>	-
		-
		-
4A.2	Activitatea antreprenorială deține o certificare și/sau o autorizare echivalentă aferent obiectului procedurii de atribuire a contractului, în cadrul unui sistem național?	Da
4A.2.1	<i>Dacă Da, operatorul economic este în măsură să furnizeze documentul/documentele prin care se va demonstra certificarea și/sau autorizarea activității acestuia?</i>	Da
4A.2.3	<i>Actele privind certificarea sau autorizarea sunt disponibile gratuit pentru autorități, dintr-o bază de date națională? Dacă da, specificați informația care ar permite verificarea.</i>	-
		-
		-
4A.3	Genurile de activitate, și/sau certificarea, și/sau autorizarea privind activitatea de întreprinzător, acoperă criteriile de selecție impuse	Da

	de autoritatea/entitatea contractantă în anunțul/invitația de participare?	
B. Capacitatea economică și financiară		
	Declarații bancare	
4B.1	Operatorul economic este în măsură să furnizeze declarații bancare sau, după caz, dovezi privind asigurarea riscului profesional în conformitate cu cerințele din documentația de atribuire?	Da
4B.1.1	<i>Informația menționată la punctul 4B.1 este disponibilă gratuit pentru autorități, dintr-o bază de date națională? Dacă da, specificați informația care ar permite verificarea ei.</i>	-
		-
		-
	Cifra de afaceri anuală (volumul vânzărilor)	Nu se aplică
4B.2	Operatorul economic este în măsură să demonstreze o cifră de afaceri anuală, după cum urmează: Valoare _____ Perioada _____ <i>Notă. Se completează de către autoritatea contractantă valoarea și perioada</i>	-
4B.2.1	<i>Specificați care este cifra de afaceri anuală, conform datelor din raportul financiar.</i>	-
		-
	Cifra de afaceri medie anuală	Nu se aplică
4B.3	Operatorul economic este în măsură să demonstreze o cifră medie anuală de afaceri, după cum urmează: Valoare _____ Perioada _____ <i>Notă. Se completează de către autoritatea contractantă valoarea și perioada</i>	-
4B.3.1	<i>Specificați cifra de afaceri, conform datelor din raportul financiar.</i>	-
		-
		-
		-
		-
		-
	Raport financiar	
4B.4	Operatorul economic este în măsură să furnizeze raportul financiar înregistrat, extrase din raportul financiar?	☐ Da ☐ Nu
4B.5	Informațiile privind situația economică și financiară sunt disponibile gratuit pentru autorități, dintr-o bază de date națională? Dacă da, specificați informația care ar permite verificarea.	-
		-
		-
C. Capacitatea tehnică și/sau profesională		
4C.1	Operatorul economic este în măsură să furnizeze documentele solicitate de către autoritatea/entitatea contractantă în anunțul de participare, care demonstrează capacitatea tehnică și/sau profesională pentru executarea viitorului contract.	Da
4C.1.1	<i>Informațiile privind capacitatea tehnică și/sau profesională sunt disponibile gratuit pentru autorități, dintr-o bază de date națională? Dacă da, specificați informația care ar permite verificarea.</i>	-
		-
		-
	Instalații tehnice și măsuri de asigurare a calității	
4C.2	Operatorul economic este în măsură să furnizeze detalii referitoare la tehnicieni sau organisme tehnice, specificate în anunțul de participare/documentația de atribuire, pe care autoritatea/entitatea contractantă le poate solicita, în special cele responsabile de controlul calității în legătură cu acest exercițiu de achiziție publică?	Da
4C.3	Operatorul economic este în măsură să furnizeze o informație cu privire la sistemele de management și de trasabilitate utilizate în cadrul lanțului de aprovizionare?	

4C.3.1	Informațiile sunt disponibile gratuit pentru autorități, dintr-o bază de date națională? Dacă da, specificați informația care ar permite verificarea.	-
		-
		-
	Utilaje, instalații și echipament tehnic	Nu se aplică
4C.4	Operatorul economic dispune de utilaje și echipament necesar pentru îndeplinirea corespunzătoare a contractului de achiziție publică?	☐ Da ☐ Nu
4C.5	Operatorul economic este în măsură să furnizeze o informație cu privire la dotările specifice, utilajul și echipamentul necesar pentru îndeplinirea contractului, conform cerințelor stabilite în anunțul de participare și documentația de atribuire?	☐ Da ☐ Nu
	Pregătirea profesională și calificarea personalului	
4C.6	Operatorul economic are în cadrul întreprinderii personal calificat conform cerințelor stabilite în anunțul de participare sau în documentația de atribuire?	☐ Da ☐ Nu
4C.7	Operatorul economic este în măsură să furnizeze o informație privind personalul de specialitate propus pentru executarea contractului, conform cerințelor stabilite în anunțul de participare și documentația de atribuire?	☐ Da ☐ Nu
4C.8	Indicați efectivele medii anuale de personal angajat din ultimii trei ani de activitate.	Anul text Angajați [număr] Anul text Angajați [număr] Anul text Angajați [număr]
	Numărul membrilor personalului de conducere	
4C.9	Indicați numărul membrilor personalului de conducere ale operatorului economic pe parcursul ultimilor trei ani.	Anul text Persoane [număr] Anul text Persoane [număr] Anul text Persoane [număr]
	Mostre, descrieri, fotografii	
4C.10	Operatorul economic este în măsură să furnizeze eşantioane (mostre), descrieri și/sau fotografii ale produselor/serviciilor care urmează să fie furnizate/prestate, conform cerințelor stabilite în documentația de atribuire?	Da
	Pentru contractele de achiziție publică de lucrări	Nu se aplică
4C.11	În perioada de referință, operatorul economic a îndeplinit lucrări specifice sau similare obiectului de achiziție indicat în anunțul de participare și în documentația de atribuire?	☐ Da ☐ Nu
4C.11.1	Dacă Da, enumerați-le specificând descrierea lucrărilor, valoarea lor, data de începere, data procesului verbal de recepție la terminarea lucrărilor, beneficiarul și altă informație relevantă.	text
	Pentru contractele de achiziție publică de bunuri	
4C.12	În perioada de referință, operatorul economic a efectuat livrări specifice obiectului de achiziție indicat în anunțul de participare și în documentația de atribuire?	☐ Da ☐ Nu
4C.12.1	Dacă Da, enumerați-le specificând descrierea livrărilor, valoarea lor, data de începere, data furnizării, beneficiarul și altă informație relevantă.	text
	Pentru contractele de achiziție publică de servicii	Nu se aplică
4C.13	În perioada de referință, operatorul economic a prestat servicii similare cu obiectul de achiziție indicat în anunțul de participare și în documentația de atribuire?	☐ Da ☐ Nu
4C.13.1		text

	<i>Dacă Da, enumerați-le specificând descrierea serviciilor, valoarea lor, durata de execuție, data începerii, beneficiarul și altă informație relevantă.</i>	
4C.14	În cazul că răspunsul este Da pentru una din întrebările 4C.11 – 4C.13, puteți furniza dovezi prin care se va demonstra îndeplinirea lucrărilor, livrarea bunurilor, prestarea serviciilor similare conform cerințelor documentației de atribuire?	☐ Da ☐ Nu
D. Standarde de asigurare a calității		
4D.1	Operatorul economic este în măsură să furnizeze certificate emise de organisme independente prin care se atestă faptul că operatorul economic respectă standardele de asigurare a calității conform cerințelor stabilite în anunțul de participare și în documentația atribuire?	☐ Da ☐ Nu
4D.2	Informațiile privind standardele de asigurare a calității, sunt disponibile gratuit pentru autorități, dintr-o bază de date națională? Dacă da, specificați informația care ar permite verificarea.	Adresa de internet: text
		Autoritatea sau organismul emitent(ă): text
		Referința exactă a documentației: text
E. Standarde de protecție a mediului		
4E.1	Operatorul economic este în măsură să furnizeze certificate emise de organisme independente prin care se atestă faptul că operatorul economic respectă standardele de protecție a mediului, conform cerințelor stabilite în anunțul de participare și în documentația de atribuire?	☐ Da ☐ Nu
4E.2	Informațiile privind standardele de protecția mediului, sunt disponibile gratuit pentru autorități, dintr-o bază de date națională? Dacă da, specificați informația care ar permite verificarea.	Adresa de internet: text
		Autoritatea sau organismul emitent(ă): text
		Referința exactă a documentației: text
F. Permitearea controalelor		
4F.1	Operatorul economic permite efectuarea verificărilor de către autoritatea/entitatea contractantă referitor la capacitățile economice și financiare, de producție sau tehnice privind executarea viitorului contract de achiziție publică?	☐ Da ☐ Nu

Capitolul V. Indicații generale pentru criteriile de calificare și selecție

Compartimentul se completează de către autoritatea/entitatea contractantă (coloana nr.2) și operatorii economici (coloana nr.3).

Cod poziție	Conținutul cerințelor	Răspuns
1	2	3
A. Îndeplinirea tuturor criteriilor de selecție impuse		
5A.1	Operatorul economic este în măsură să furnizeze în Sistemul informațional automatizat „Registrul de stat al achizițiilor publice” sau prin mijloace electronice, sau dacă e cazul, pe suport de hârtie autorității contractante: formularele, certificatele, avizele și alte documente indicate de către autoritatea/entitatea contractantă în anunțul de participare și în documentația de atribuire? Termen __3__ zile de la solicitare.	Da
5A.2	Informațiile care să îi permită autorității/entității contractante să obțină documentele indicate în anunțul de participare și în	Adresa de internet: text

	documentația de atribuire, sunt disponibile gratuit și direct prin accesarea unei baze de date naționale în orice stat? Dacă da, specificați informația care ar permite verificarea.	Autoritatea sau organismul emitent(ă): text
		Referința exactă a documentației: text

Capitolul VI. Preselecția candidaților pentru procedura de atribuire a contractului de achiziție publică

Compartimentul se solicită de către autoritatea contractantă doar în cadrul procedurilor de achiziție publică: *licitația restrânsă, negociere, dialog competitiv și parteneriatul pentru inovare.*

Cod poziție	Conținutul cerințelor	Răspuns
1	2	3
A.	Îndeplinirea tuturor criteriilor de selecție impuse	
6A.1	Operatorul economic/candidatul îndeplinește criteriile de selecție stabilite de către autoritatea contractantă în anunțul de participare și în documentația de atribuire.	Da
6A.2	Operatorul economic/candidatul dispune și este în măsură să furnizeze în Sistemul informațional automatizat „Registrul de stat al achizițiilor publice” sau prin mijloace electronice, sau dacă e cazul, pe suport de hârtie autorității contractante certificate sau alte forme de documente justificative, după cum este cerut în anunțul de participare și în documentația de atribuire.	Da

Capitolul VII. Declarații finale

Operatorul economic declară că informațiile prezentate în capitolele II – V (după caz II-VI) sunt exacte și corect furnizate, cunoscând pe deplin consecințele cazurilor grave de declarații false.

Operatorul economic declară în mod oficial, că poate să furnizeze la solicitarea autorității/entității contractante fără întârziere, certificatele și documentele justificative solicitate, cu excepția cazului în care autoritatea/entitatea contractantă are posibilitatea de a obține documentele justificative în cauză direct prin accesarea unei baze de date relevante, care este disponibilă gratuit, cu condiția că operatorul economic să fi furnizat informațiile necesare (adresa de internet, autoritatea sau organismul emitent(ă), referința exactă a documentației) care să îi permită autorității contractante sau entității contractante să facă acest lucru și se consimte accesul la informațiile menționate, în cazul în care acest lucru este necesar.

Operatorul economic declară în mod oficial că este de acord ca [**Centrul pentru Achiziții Publice Centralizate În Sănătate**], astfel cum este descrisă în capitolul I secțiunea A să obțină acces la documentele justificative privind informațiile pe care le-a furnizat în acest DUAE în scopul desfășurării procedurii de ocds-b3wdp1-MD-1618557081221.

(Se va completa și semna de către operatorul economic)

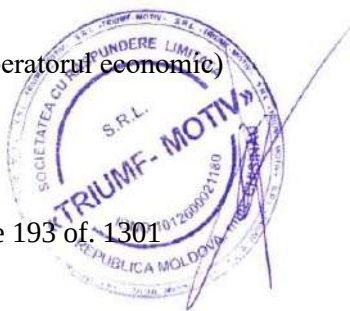
Nume: Jighili Tatiana

Funcția: Administrator

Data: 07.05.2021

Adresa: mun. Chisinau, str. Grenoble 193 of. 1301

Semnătura



Sistem portabil de monitorizare microbiologică a aerului		
	Specificație solicitată de client	Specificații propuse de producător
	Modelul articolului	HKM-IIA
	1.Va asigura la prelevare toate condițiile în corepsundere cu indicațiile ISO 14698 partea 1 și 2 în plăci Pietri de 90 mm	1.Va asigura la prelevare toate condițiile în corepsundere cu indicațiile ISO 14698 partea 1 și 2 în plăci Pietri de 90 mm
	2.Diametrul Capului de Prelevare - 10cm	2.Diametrul Capului de Prelevare - 10cm
	3. Debit Nominal de aer, litri / min -100 ± 2,5%	3. Debit Nominal de aer, litri / min -100 ± 2,5%
	4.Volume de prelevare în lit:	4.Volume de prelevare în lit:
	a) pentru standardele de 50, 100, 250, 500, 1000	a) pentru standardele de 50, 100, 250, 500, 1000
	b) modificare manuală cu definirea de la 1 la 2000 litri;	b) modificare manuală cu definirea de la 1 la 2000 litri;
	c) reglare debit de aer.	c) reglare debit de aer.
	5.Volum total de aspirare în lit - 42000± 2,5%	5.Volum total de aspirare în lit - 42000± 2,5%
	6.Calibrare –automata	6.Calibrare –automata
	7. Baterie:	7. Baterie:
	a) tip Li-Ion, reîncărcabilă;	a) tip Li-Ion, reîncărcabilă;
	b) putere 7.4 V / 6.9 Ah	b) putere 7.4 V / 6.9 Ah
	c) timpul de încărcare completă nu va depăși 3,5 ore;	c) timpul de încărcare completă nu va depăși 3,5 ore;
	d) timpul de funcționare nu mai puțin de 6,5 ore	d) timpul de funcționare nu mai puțin de 6,5 ore
	8. Anemometru:	8. Anemometru:
	a) tip Hot-wire;	a) tip Hot-wire;
	b) control numeric;	b) control numeric;
	c) senzori de temperature;	c) senzori de temperature;
	d) senzori de presiune.	d) senzori de presiune.
	9. Display - alfanumeric cristale lichide, cu caractere de la 25 la 35.	9. Display - alfanumeric cristale lichide, cu caractere de la 25 la 35.
	10. Motor	10. Motor
	a) putere - 6V;	a) putere - 6V;
	b) Driving Motor;	b) Driving Motor;
	c) Frecvență PWM specific pentru driving motor	c) Frecvență PWM specific pentru driving motor
	11.Material carcasei - aluminiu anodizat	11.Material carcasei - aluminiu anodizat
	12. Greutate - până la 2,5 kg	12. Greutate - până la 2,5 kg
	13. Conexiuni - USB	13. Conexiuni - USB
	14. Soft pentru conectarea la PC	14. Soft pentru conectarea la PC
	15. Accesorii:	15. Accesorii:
	a) Trusa specializata;	a) Trusa specializata;
	b) Încărcător putere - 220 Volt, 50 KHz, buc - 1	b) Încărcător putere - 220 Volt, 50 KHz, buc - 1
	c) Cap de Prelevare, buc - 1;	c) Cap de Prelevare, buc - 1;
	d) cutii Pietri, buc – din plastic, diametrul 90mm, sterile, cu capac, compatibile cu dispozitivul oferit, în cantitate de 2000.	d) cutii Pietri, buc – din plastic, diametrul 90mm, sterile, cu capac, compatibile cu dispozitivul oferit, în cantitate de 2000.
	- Declarație de conformitate CE/SM și/sau Certificat de conformitate CE/SM.	- Declarație de conformitate CE/SM și/sau Certificat de conformitate CE/SM.

	- Confirmarea privind prezentarea la livrare a copiilor manualului de deservire or servis manual, diagrama electronica, pașapoartelor tehnice, inclusiv descrierea părților tehnice și componente a dispozitivului, autorizat de producător pentru fiecare dispozitiv.	- Confirmarea privind prezentarea la livrare a copiilor manualului de deservire or servis manual, diagrama electronica, pașapoartelor tehnice, inclusiv descrierea părților tehnice și componente a dispozitivului, autorizat de producător pentru fiecare dispozitiv.
	- Confirmarea privind livrarea și instalarea gratuită a dispozitivelor medicale, în termen de 10 zile lucrătoare din data de notificare emisă de beneficiar.	- Confirmarea privind livrarea și instalarea gratuită a dispozitivelor medicale, în termen de 10 zile lucrătoare din data de notificare emisă de beneficiar.
	- Confirmarea prezentării Certificatului de calibrare la livrarea dispozitivului.	- Confirmarea prezentării Certificatului de calibrare la livrarea dispozitivului.
	- Confirmarea realizării procedurii de validare IQ/OQ/PQ dup criteriile stabilite de producător	- Confirmarea realizării procedurii de validare IQ/OQ/PQ dup criteriile stabilite de producător
	- Confirmarea privind instruirea gratuită a personalului implicat în operarea dispozitivului medical asigurat de operatorul economic câștigător, pe parcursul a 2 zile din momentul punerii în funcțiune a dispozitivului.	- Confirmarea privind instruirea gratuită a personalului implicat în operarea dispozitivului medical asigurat de operatorul economic câștigător, pe parcursul a 2 zile din momentul punerii în funcțiune a dispozitivului.
	- Confirmarea privind asigurarea gratuită a funcționalității, mentenanței, reparației dispozitivelor medicale pe toată perioada de garanție.	- Confirmarea privind asigurarea gratuită a funcționalității, mentenanței, reparației dispozitivelor medicale pe toată perioada de garanție.
	- Confirmarea privind anul producerii dispozitivului 2021.	- Confirmarea privind anul producerii dispozitivului 2021.
	- Confirmarea a unei perioade de garanție nu mai mică de 36 luni din data finalizării procesului de instruire.	- Confirmarea a unei perioade de garanție nu mai mică de 36 luni din data finalizării procesului de instruire.

Specificații tehnice (F4.1)

Numărul licitației:	ocds-b3wdp1-MD-1618557081221					Data: „09” mai 2021		Alternativa nr.: nu
Denumirea licitației:	Realizarea Programului Național „Securitatea transfuzională și autoasigurarea țării cu produse sanguine” reactive și consumabile medicale conform necesităților pentru anul 2021 (repetat 3) CENTRUL PENTRU ACHIZITII PUBLICE CENTRALIZATE IN SANATATE					Lot: 1		Pagina: _1_ din _1_
Cod CPV	N/no	Denumirea bunurilor și/sau a serviciilor	Modelul articolului	Țara de origine	Producătorul	Specificarea tehnică deplină solicitată de către autoritatea contractantă	Specificarea tehnică propusă de către ofertant	Standarde de referință
1	2	3	4	5	6	7	8	9
3310000-1	1	Sistem portabil de monitorizare microbiologică a aerului	HKM-IIA	China	Hunkai Microbial	Conform anexei 1	Conform anexei 1	Certificat de conformitate, ISO 9001. Manual de utilizare

Semnat: _____

Numele, Prenumele Jighili Tatiana

În calitate de: administrator

Ofertantul: _____ SRL *Triumf-Motiv* _____ Adresa: _____ str. Grenoble 193 of 1301



Specificații de preț (F4.2)

Numărul licitației: ocds-b3wdp1-MD-1618557081221						Data: „09” mai 2021		Alternativa nr.: nu	
Denumirea licitației: Realizarea Programului Național „Securitatea transfuzională și autoasigurarea țării cu produse sanguine” reactive și consumabile medicale conform necesităților pentru anul 2021 (repetat 3) CENTRUL PENTRU ACHIZITII PUBLICE CENTRALIZATE IN SANATATE						Lot: 1		Pagina: _1_ din _1_	
Cod CPV	N/no	Denumirea bunurilor și/sau a serviciilor	Unitatea de măsură	Cantitate	Preț unitar (fără TVA) lei	Preț unitar (cu TVA), lei	Suma fără TVA, lei	Suma cu TVA, lei	Termenul de livrare/prestare
1	2	3	4	5	6	7	8	9	10
3310000-1	1	Sistem portabil de monitorizare microbiologică a aerului	buc	2	93825,00	112590,00	187650,00	225180,00	în termen de până la 30 de zile de la data înregistrării contractului de către CAPCS
Total							187650,00	225180,00	

Semnat: _____

Numele, Prenumele Jighili Tatiana

În calitate de: administrator

Ofertantul: _____ SRL Triumf-Motiv _____ Adresa: _____ str. Grenoble 193 of 1301





Nr. 858 / 31
din « 25 » februarie 2021

Banca Comercială „ENERGBANK” Societate pe Acțiuni
Republica Moldova, MD-2001, mun. Chișinău, str. Tighina 23/3
tel.: +(373 22) 544-377, 858-000; fax: +(373 22) 858-080
www.energbank.com; e-mail: office@energbank.com
IDNO 1003600008150, cod TVA 0202040
codul băncii: ENEGMD22
cod IBAN: MD10NB000000000035215845 la CD BNM
Capital social - 100 000 000 lei MD

SRL TRIUMF-MOTIV
Mun. Chisinau,
bd.Traian,18/1,ap.80

Prin prezenta, B.C.”Energbank” S.A., sucursala Botanica (codul bancii ENEGMD22858), confirma ca SRL TRIUMF-MOTIV, cod fiscal 1012600021180 detine codului IBAN nr. MD90EN000000222446621858 in Lei MD, Dolari SUA, Euro,Rubla Rusa.

Directorul Sucursala



/Contabil-sef

Abramihin A.

Dubolari I.

Exc.Haricev A.
Tel.022-56-83-39

Digitally signed by Jighili Tatiana
Date: 2019.02.18 12:49:24 EET
Reason: MoldSign Signature
Location: Moldova



REPUBLICA



MOLDOVA

CERTIFICAT DE ÎNREGISTRARE

Societatea cu Răspundere Limitată "TRIUMF-MOTIV"
ESTE ÎNREGISTRATĂ LA CAMERA ÎNREGISTRĂRII DE STAT

Numărul de identificare de stat - codul fiscal
1012600021180

Data înregistrării

03.07.2012

Data eliberării

03.07.2012

Svirepova Ludmila, registrator

Functia, numele, prenumele persoanei
care a eliberat certificatul

L. Svirepova

semnătura

MD 0116725





I.P. "AGENȚIA SERVICII PUBLICE"

Departamentul înregistrare și licențiere a unităților de drept

EXTRAS

din Registrul de stat al persoanelor juridice

nr. 7462 din 14.04.2021

Denumirea completă: **Societatea cu Răspundere Limitată «TRIUMF-MOTIV» .**

Denumirea prescurtată: **«TRIUMF-MOTIV» S.R.L. .**

Forma juridică de organizare: **Societate cu Răspundere Limitată.**

Numărul de identificare de stat și codul fiscal: **1012600021180.**

Data înregistrării de stat: **03.07.2012.**

Sediul: **MD-2043, bd. Traian, 18/1, ap.(of.) 80, mun.Chișinău, Republica Moldova.**

Obiectul principal de activitate:

1 Publicitate;2 Alte tipuri de comerț cu ridicata;3 Alte tipuri de comerț cu amănuntul în magazine specializate;4 Comerțul cu amănuntul al cărților, ziarelor și rechizitelor de birou;5 Tipărirea altor publicații (cărți, broșuri etc);6 Intermedieri pentru vânzarea unui asortiment larg de mărfuri;7 Activități de cercetare a pieței și de sondaj al opiniei publice;8 Importul și (sau) fabricarea, depozitarea, comercializarea angro a substanțelor și materialelor chimice, toxice, articolelor și produselor chimice de menaj;9 Comerț cu ridicata al produselor farmaceutice;10 Comerț cu ridicata al altor mașini și echipamente;11 Comerț cu ridicata al materialului lemnos și al materialelor de construcție și echipamentelor sanitare;12 Comerț cu ridicata nespecializat;13 Comerț cu amănuntul al produselor farmaceutice, în magazine specializate;14 Comerț cu amănuntul al articolelor medicale și ortopedice, în magazine specializate;15 Comerț cu amănuntul al produselor cosmetice și de parfumerie, în magazine specializate;16 Comerț cu amănuntul al ceasurilor și bijuteriilor, în magazine specializate;17 Comerț cu amănuntul al altor bunuri noi, în magazine specializate;18 Construcțiile de clădiri și (sau) construcții inginerești, instalații și rețele tehnico-edilitare, reconstrucțiile, consolidările, restaurările.

Capitalul social: **5400 lei.**

Administrator: **JIGHILI TATIANA, IDNP 2001004230536,**

Asociați:

1. JIGHILI TATIANA , IDNP 2001004230536 cota 5400.00 lei, ce constituie 100 %.

Prezentul extras este eliberat în temeiul art. 34 al Legii nr. 220-XVI din 19 octombrie 2007 privind înregistrarea de stat a persoanelor juridice și a întreprinzătorilor individuali și confirmă datele din Registrul de stat la data de: 14.04.2021.

Specialist coordonator
tel. 022-20-7838



Clichici Elena



EB 0357623

Lista fondatorilor operatorilor economici (numele, prenumele, codul personal)

«TRIUMF-MOTIV» SRL C/F 1012600021180

1. Jighili Tatiana , 2001004230536 – 100%

**Conducator
Jighili Tatiana**



Formularul ofertei (F3.1)

Data depunerii ofertei: “16” aprilie 2021

Procedura de achiziție Nr.: ocds-b3wdp1-MD-1618557081221

Anunț/Invitația de participare Nr.: 21038595

Către: CENTRUL PENTRU ACHIZITII PUBLICE CENTRALIZATE IN SANATATE

«TRIUMF-MOTIV» SRL declară că:

- a) Au fost examinate și nu există rezervări față de documentele de atribuire, inclusiv modificările nr. _____.
- b) «TRIUMF-MOTIV» SRL se angajează să presteze, în conformitate cu documentele de atribuire și condițiile stipulate în specificațiile tehnice și preț, următoarele bunuri/servicii:
Realizarea Programului Național „Securitatea transfuzională și autoasigurarea țării cu produse sanguine” reactive și consumabile medicale conform necesităților pentru anul 2021 (repetat 3)
- c) Suma totală a ofertei fără TVA constituie:
187 650,00 (o sută optzeci și șapte mii șase sute cincizeci,00) MDL
- d) Suma totală a ofertei cu TVA constituie:
225 180,00 (două sute douăzeci și cinci mii o sută optzeci,00) MDL
- e) Prezenta ofertă va rămâne valabilă pentru perioada de timp specificată în **FDA3.8.**, începând cu data-limită pentru depunerea ofertei, în conformitate cu **FDA4.2.**, va rămâne obligatorie și va putea fi acceptată în orice moment până la expirarea acestei perioade;
- f) În cazul acceptării prezentei oferte, «TRIUMF-MOTIV» SRL se angajează să obțină o Garanție de bună execuție în conformitate cu **FDA6**, pentru executarea corespunzătoare a contractului de achiziție publică.
- g) Nu sîntem în nici un conflict de interese, în conformitate cu art. 74 din Legea nr. 131 din 03.07.2015 privind achizițiile publice.
- h) Compania semnatară, afiliații sau sucursalele sale, inclusiv fiecare partener sau subcontractor ce fac parte din contract, nu au fost declarate neeligibile în baza prevederilor legislației în vigoare sau a regulamentelor cu incidență în domeniul achizițiilor publice.

Semnat: _____

Nume: Jighili Tatiana

În calitate de: administrator

Ofertantul: SRL Triumf-Motiv

Adresa: str. Grenoble 193 of 1301

Data: “07” mai 2021

ORDIN DE PLATĂ		Nr.	564	DATA EMITERII	7 Mai 2021	TIP.DOC.1
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(R)SRL TRIUMF-MOTIV			CODUL FISCAL		1012600021180	
PRESTATORUL PLĂTITOR:		BC'ENERGBANK'SA				
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2nd 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

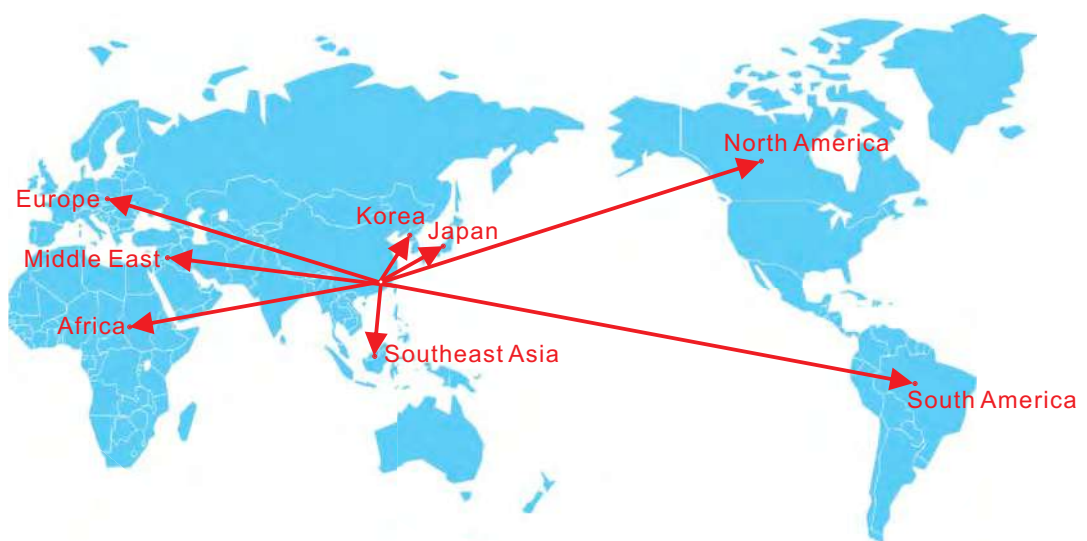
Food / Beverage / Pharmaceutical / Clinical / Environmental / Veterinary

Marketing Network

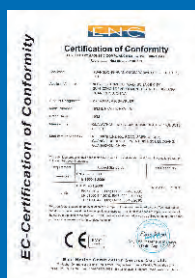
Huankai has established a sound sales network in major cities across the country, set up offices in key provinces and cities, and established a modern marketing system according to market changes.

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

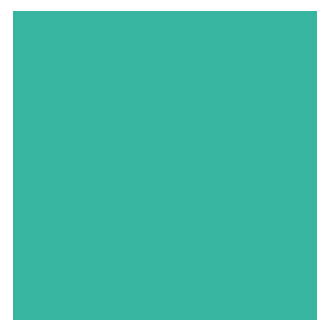
Quantitative packaging, simplified preparation, easy to use

Using high quality and stable medium raw materials at home and abroad, refining some key raw materials, evenly 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

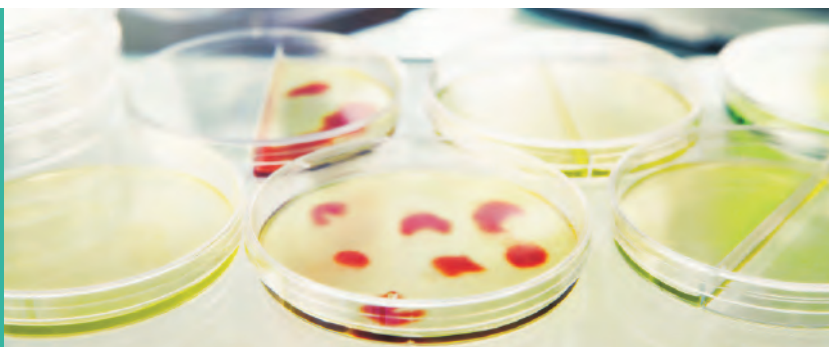


Code	Product Name	Specification	Intended Use
021010P1	Rose Bengal Agar	250g	For counting, isolation and cultivation of molds and yeasts.
021096P1	Sabouraud Dextrose Broth	250g	For cultivation of yeast and molds.
021098P1	Sabouraud Dextrose Agar	250g	For the isolation and identification of Candida.
021099P1	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.

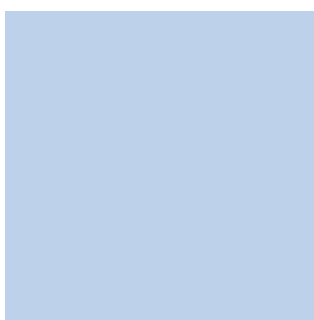
HKM Chromogenic Media



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 .

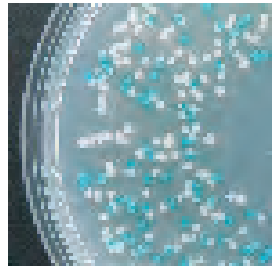
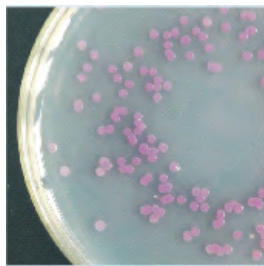
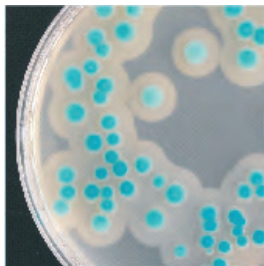
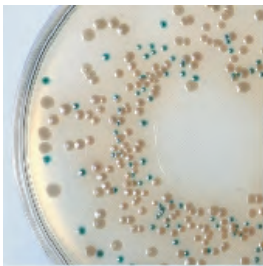
Features:

- 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



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.

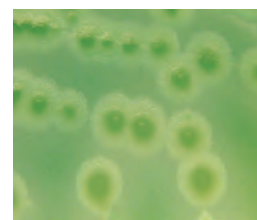
HKM Dehydrated Culture Media

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)

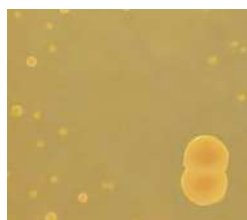
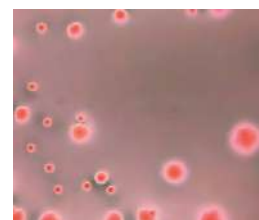


Code	Product Name	Specification	Intended Use
HSR004	Potassium Tellurite Egg-Yolk Reagent	2.5ml*10vials	Additive For Baird-Parker Agar Base
HCM019	Brain Heart Infusion Broth	500g	For cultivating moulds, yeasts and bacteria, include fastidious microorganism.(USA FDA、ISO)
HCM020	TCBS Agar	500g	For selective 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)

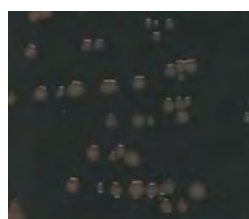
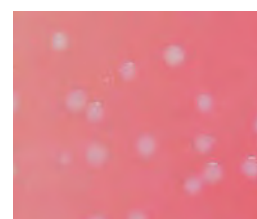

 Violet Red Bile Glucose Agar
Shigella flexneri

 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)

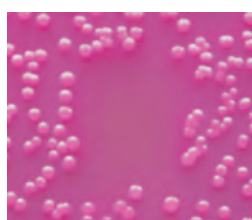

 Chalmers Agar, Modified
Streptococcus thermophilus

 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

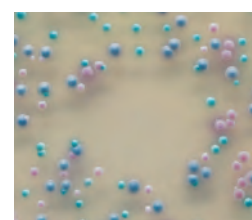
Code	Product Name	Specification	Intended Use
HCM116	SLANETZ-BARTLEY MEDIUM	500g	For the detection and enumeration of enterococci in water by the membrane filtration technique
HCM117	C.L.E.D. Medium	500g	Cystine-Lactose-Electrolyte Deficient media for urinary bacteriology.
HCM118	Crystal Violet Lactose 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

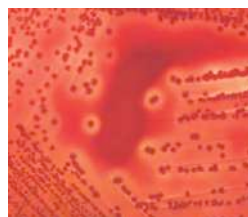


SS Agar
Salmonella typhimurium



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 molecular 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

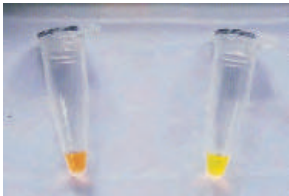


Nutrient raw materials provide nitrogen source, amino acid, vitamins and growth promoting factors for microbial growth, Huankai provides variety of high quality raw materials. The materials are produced by excellent production technology, and each batch undergoes strict quality control of sensory, physical 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 Entero-bacter 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.

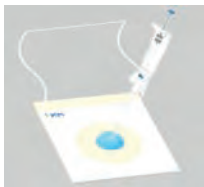


Yeast & Mold Count Plate (YM) Yeast & Mold Plate is used for yeast & mold count for sample from food / beverage etc. Indole indicator facilitate blue-green colonies.



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™

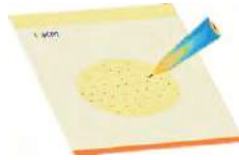


Inoculate

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 & 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.



Produc Name	Code	Reference	Strain Name	Specification	Quantity
Spore Suspension	FSCC11502356	ATCC9372	Bacillus atrophaeus	10mL vial /box	10 ⁹ 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, 10⁶ ~10⁷ 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 ⁶ cfu
Bacillus subtilis	CMCC(B)63501	10-100cfu	1.0-2.0×10 ⁶ cfu
Bacillus subtilis	ATCC6633	10-100cfu	1.0-2.0×10 ⁶ cfu
Salmonella typhi	CMCC(B)50071	10-100cfu	1.0-2.0×10 ⁶ cfu
Salmonella typhimurium	ATCC14028	10-100cfu	1.0-2.0×10 ⁶ cfu
Salmonella paratyphi B	CMCC(B)50094	10-100cfu	1.0-2.0×10 ⁶ 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	$250 \times 160 \times 205\text{mm}$	$330 \times 160 \times 205\text{mm}$	$450 \times 160 \times 205\text{mm}$	$810 \times 160 \times 205\text{mm}$	$1290 \times 160 \times 205\text{mm}$
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	$250 \times 160 \times 205\text{mm}$	$330 \times 160 \times 205\text{mm}$	$450 \times 160 \times 205\text{mm}$	$810 \times 160 \times 205\text{mm}$	$1290 \times 160 \times 205\text{mm}$
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
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Size	300*180*155mm
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Power	5W
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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 m³). 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:

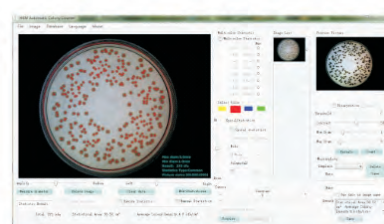
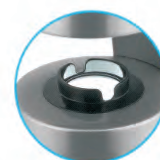
- 1. Set sterilizing temperature**
Set sterilizing temperature as needed. It displays real time sterilizing temperature when working.
- 2. Built-in microprocessor temperature controller**
Adopt self-tuning PID technology, accurately control temperature and respond fast. Once temperature reaches setting 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°C	800°C
Temperature control range	RT+5°C~850°C	RT+5°C~800°C
Accuracy	±15°C	
Heat-up time	750°C < 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 & 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
Methamidohpos	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 Sampling 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 Buffered Solution)				
BPW (Buffered Peptone Water)				
Sterile Saline				
Sample Handling	Full-size Microporous Filtration Sterile Homogenized Bag (aperture $\approx 280\mu\text{m}$)	HK-Q1930 19 x 30cm	25/packs	packs
	Side Non-woven Filter Sterile Homogenized Bag (micropore diameter $< 250\mu\text{m}$)	HK-C1930 19 x 30cm		
	Non-filtered Sterile Homogenized Bag	20 x 32.5cm	100/box	box
	Disposable Sterile Needle Filter	$\Phi 13 \times 0.45\mu\text{m}$ (hydrophilic) (IWP)	100/packs	packs
		$\Phi 13 \times 0.22\mu\text{m}$ (hydrophilic) (IWP)		
		$\Phi 25 \times 0.45\mu\text{m}$ (hydrophilic) (IWP)		
		$\Phi 25 \times 0.22\mu\text{m}$ (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
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 ₃)
090043	Total hardness test kit (LR)	50 Tests	4-200mg/L (As CaCO ₃)
090041	Total hardness test kit (HR)	50 Tests	12-600mg/L (As CaCO ₃)
090550	Calcium (magnesium) hardness test kit	50 Tests	10-200mg/L
090150	Alkalinity test kit (LR)	50 Tests	10-200mg/L (As CaCO ₃)
090151	Alkalinity test kit (HR)	50 Tests	100-2000mg/L (As CaCO ₃)
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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Focus on microbial detection & control, Escort for food & drug safety.

HKM - II

Microbial Air Sampler

User Manual



Version 2.3
05.08.2019

GUANGDONG HUANKAI MICROBAL SCL._TECH, CO., LTD

Thank you for purchasing Huankai Microbial air sampler, this manual will guide you through the proper use of this equipment, please keep it for future reference.

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Safety information

- Please read the manual before using the device to prevent damages caused by failing to observe the instructions.
- The device is only to be used in the manner described. If the device is used otherwise, it can cause a hazard.
- Do not expose the device to extreme temperature, direct sunlight or extreme humidity and moisture.
- Make no technical changes to the device.
- The device should only be cleaned with a wet cloth. Do not use abrasive or solvent-based cleaning agents.
- The device should only be used with Huankai-offered accessories or equivalent replacements.
- The device must not be used when the ambient conditions (temperature, humidity ...) are outside the specified limits.
- If the device is not used for a long time, the device should be kept in a case. It is recommended to use the device at least once a month for at least 20 minutes.

I. Introduction

Thank you for purchasing and using HKM - II type microbial air sampler, it represents the latest air floating microbial detection concept.

HKM - II type microbial air sampler is a high effective multi-nozzle inhaling style plankton sampler. It is based on isokinetic sampling design, sampling is accurate. Sampling head wind speed is consistent with that of the clean room, so it more accurately reflects the concentration of microorganisms in the clean room. When collecting samples, the air carrying particles with a certain impact speed into the surface of the medium, the principle of this process is equivalent to level five of Anderson theory, to ensure all particles larger than 1 micron are collected. Particles hit the surface of the medium uniformly in the Petri dish, and the medium will maintain the activity of the microbial by creating the best environment, which ensures accurate and reliable measurement results. After automatic sampling is completed, place the Petri dish in the incubator and culture, living microorganisms in appropriate circumstances will obtain nutrients from the medium and grow in high speed, finally the result comes out.

II. Application

1. Pharmaceutical industry:

Recording of the laminar flow of microorganisms; Analysis of the cleanliness of a clean room; Testing the effectiveness of sterilization.

2. Food and beverage industry:

Detection of microbial contamination in the clean room according to the HACCP concept.

3. Hospitals

Detection of pathogenic microorganisms in operating theaters, as well as in the pharmacy, storeroom or ICU.

4. Electronics industry

Measuring particles and micro-bacterial contamination in clean rooms.

III. Working environment

1. Temperature: 0 - 35 °C
2. Relative humidity: 10 - 90% RH
3. Atmospheric pressure: 80 – 110Kpa
4. Maximum ambient wind speed: 1m / s

IV. Main features

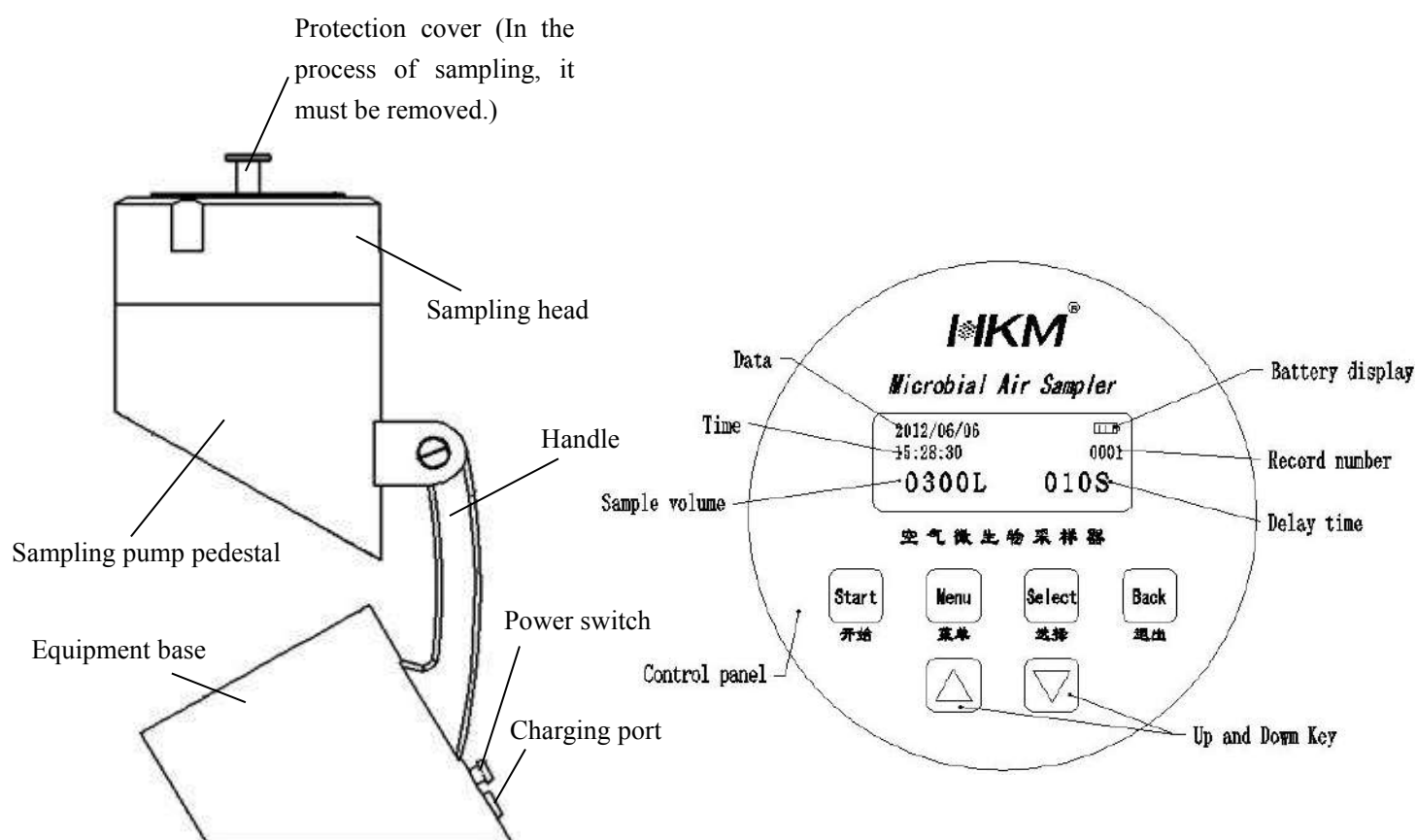
1. Built-in English and Chinese operation interface, automatically control start time, sampling volume;
2. Large-capacity memory, can automatically record 8000 sample data (sampling location, sample volume, sample time, etc.);
3. Reliable air sampling design, sampling head with up to 300 impaction nozzles, so that air uniformly distributed on microbial culture medium in a Petri dish surface, reducing the dust and microorganism overlap, effectively reduce count error;
4. High-quality aerospace aluminum sampling head can be used for steam sterilization or 75% alcohol wipe sterilization;
5. Using standard Petri dish $\Phi 70 \sim 90 \times 15$ mm;
6. With battery power display, effectively avoid sampling interruption resulting from lack of electricity.
7. Built-in high capacity rechargeable lithium polymer battery, its fully charged continuous working time is more than 15 hours;
8. Comply with ISO / DIS 14698-1 sampling criteria;
9. Can retrieve recorded sampling data at any time through the sampler (sampling location, sampling quantity, sampling time, etc.);
10. Can use HKM data management software to get and export sampling report. (Optional).

V. Technical parameters

1. Sampling head impaction nozzle number: 300;
2. High-capacity rechargeable lithium polymer battery: 6400 mA
3. Sampling flow rate: 100L / min;
4. Sampling head port flow rate: 0.38m/s, basically same with clean room wind speed (isokinetic sampling);
5. Automatic control sample volume: 10 ~ 6000L, minimum unit:10L;
6. Parameter settings and sampling records storage: 99 sampling parameters setting record; 8000 sample data records.
7. Applicable Petri dish: $\Phi 70 \sim 90 \times 15$ mm;
8. Charging power: AC 110 ~ 220V
9. Dimensions: $\Phi 120 \times 300$ mm
10. Weight: 2 .6 kg

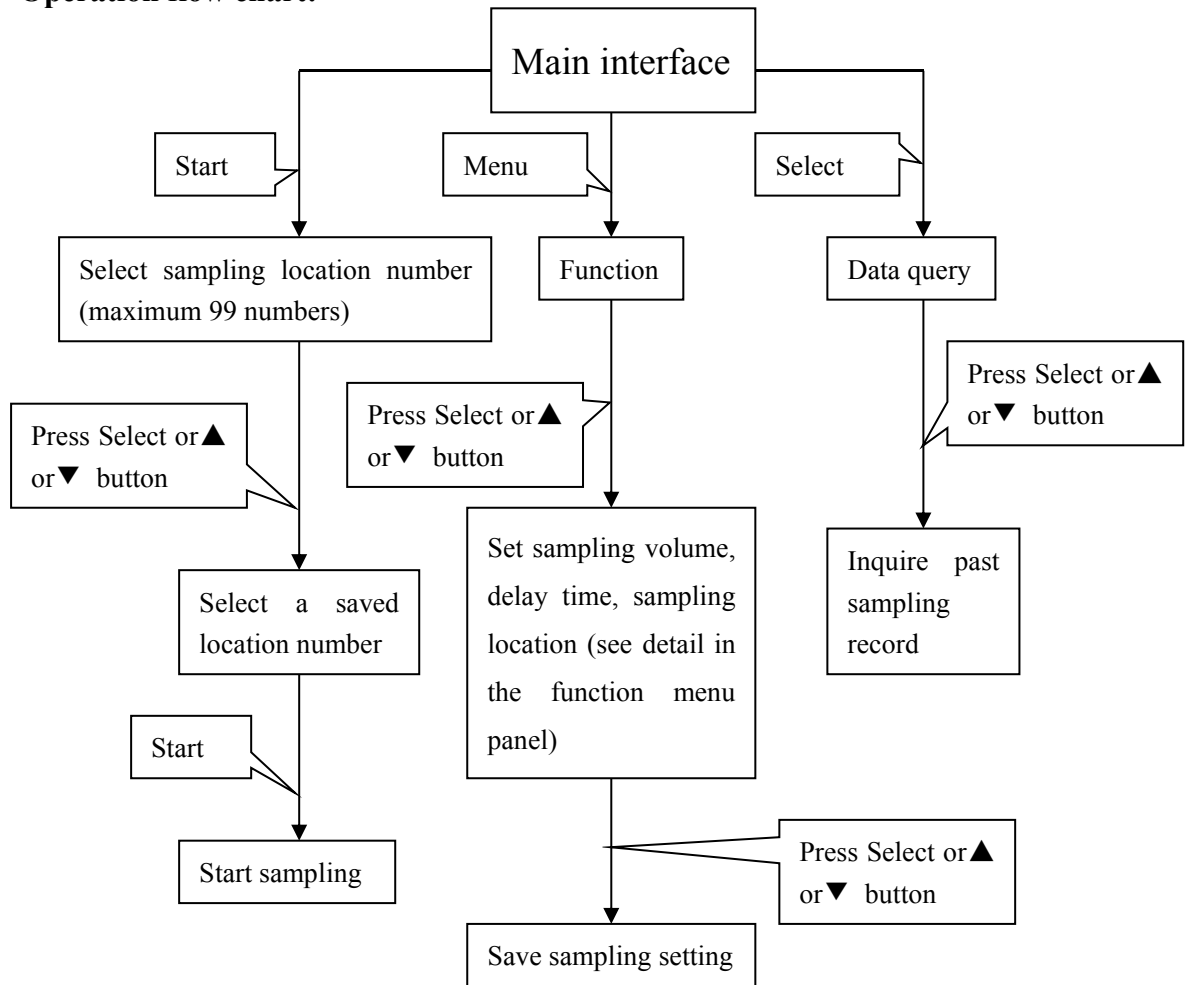
VI. Structural features description

1. Sampler make-up of the upper and lower parts, the upper part includes the sampling head cover, sampling head, dish seat, pump, pump frame and other components. Lower part includes the panel, LCD monitor, keyboard, battery, pump power supply and other components.
2. The sampler use both AC and DC electricity as power supply. There is a switch and a charging port at the rear side. Without plugging in adapter, turn on the switch will be DC mode using battery as power. Plug 8. 4V DC power supply adapter into the jack, if abovementioned switch is off, sampler is in charging state, if the switch is on, the adapter supply electricity and maintain charging, which we call AC mode. During charging, the charger indicator is red, it is green when the battery is full.

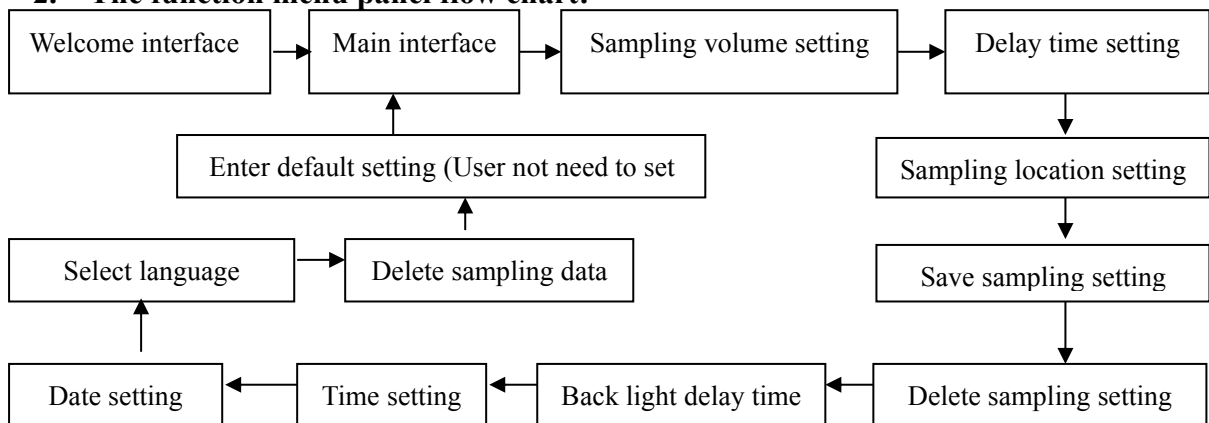


VII. Operation instructions

1. Operation flow chart:



2. The function menu panel flow chart:



3. Quick settings:

Switch on the device, it enters the main interface. Press the "Menu Button" to enter the parameter setting mode:

- 1) Sample volume setting: Press "Select" button to adjust the cursor position, press the "up" and "down" button to adjust to the desired sample volume, press "Exit" to exit the settings, press "Menu" to enter the next parameter setting.
- 2) Sampling delay time setting: Press "up" and "down" button to adjust to the desired sampling delay time, press "Exit" to exit the settings, press the "Menu" to enter the next parameter setting.
- 3) Sampling location setting: Press "up" and "down" button to set the sampling point code, press the "Exit" button to exit the setting, press the "Menu" to enter the next parameter setting.
- 4) Save sampling setting: Press "up" and "down" button to choose "Yes" and press "Select" to save the current sampling parameters. Press "Exit" to return to the main menu, setup is complete.
- 5) Main menu will show the latest settings of the sampling parameters.

4. Detail function menu guidance:

When switched on, the display shows splash screen, and device automatically running self-test, after self test, the device will enter the main interface. Then press "Menu" button to enter parameter setting mode:

- 1) Sample volume settings: In this state, press "Select" button to adjust the cursor position, press the "up" and "down" button to adjust the sample volume in the range of 10 to 6000 liters, adjusted in steps of 10 liters, press "Exit" to exit parameter setting, press "Menu" to enter the next parameter setting.
- 2) Sampling delay time setting: In this state, press "up" and "down" button to adjust sampling delay time, the sampling delay time ranges from 0 to 256 seconds, adjusted in steps of 1 second, press "Exit" to exit the parameter setting Press "Menu" to enter the next parameter setting.
- 3) Sampling location setting: In this state, press "up" and "down" button to set the sampling location, coding ranges from 00 to 99, press "Exit" to exit the parameter setting, press "Menu" to enter the next parameter setting.
- 4) Save sampling settings: Press "up" and "down" button to choose whether to save the current sampling parameters, press "Select" to save.

Note: When screen displays "Yes", pressing "Select" will save the settings. When screen displays "No", pressing "Select" will not save the settings. These three parameters (Sample volume, sampling delay time

and sampling location) when adjustment finished, you must go to the fourth item "Save to apply the setting", select "Yes" to save, then new setting takes effect, if you choose "No" related settings will not be saved.

- 5) Delete sampling setting: Press “up” and “down” button to select whether to delete the set sampling parameters, press "Select" will take effect.

Note: If you choose to delete the sample settings it will delete all the settings that have been set, please choose carefully.

- 6) Backlight delay time setting: In this state, press “up” and “down” button to adjust the backlight delay time which ranges from 0 to 256 seconds, adjusted in steps of 1 second. Press "Select" to adjust the cursor position, press “up” and “down” button to adjust the delay time, press "Menu" or "Select" to take effect;
- 7) System time setting: Press "Select" to adjust the cursor position, press the “up” and “down” button to adjust the system time, press "Menu" or "Exit" to take effect;
- 8) System date setting: Press "Select" to adjust the cursor position, press “up” and “down” button to adjust the system date, press "Menu" or "Exit" to take effect;
- 9) Language Selection: Press “up” and “down” button select the system language, and press "Select" to take effect.
- 10) Delete sample data: Press “up” and “down” button to select whether to delete the saved sample data, and press the "Select" to take effect.

Note: If you choose to delete the sample data will delete all sampling records, please choose carefully.

5. Petri dish installation and testing

According to GMP requirements to choose culture medium for targeted planktonic microbial and prepare the required ready-to-use plate.

According to the requirements of GMP choose appropriate location to place the sampler.

If put sampler above the operating table, please choose a stable and suitable bracket.

Make sure before you start sampling the Petri dish's temperature is suitable.

Sampling procedure:

- 1) Remove porous sampling head upward, and remove the cover. Place the sampling head and cover to autoclaves and sterilize at 121℃ for 30 minutes (or use 75% alcohol wipe for sterilization). After sterilization, put the cover on the sampling head. The Petri dish rack and sampler exterior also need sterilization (using 75% alcohol wipe).

- 2) Switch on the sampler, the screen displays the current system date and time, battery level, memory space, the last set sampling volume and sampling delay time and other information.
- 3) Place the ready-to-use plate (using diameter 70~90mm Petri dishes) on Petri dish rack and adjust the dish to water level, install sampling head and remove the protective cover.
- 4) Press "Start" to enter fast parameter selection and it will display the last setting parameters (with parameter group code). Press "Select" to select cursor position, and press "up" and "down" button to change group number. The screen displays parameters settings (sample volume, sampling delay time and sampling location code) of the current group. Choose an appropriate group and press "Start" then the sampler begins to prepare sampling, meanwhile sampling delay time countdown starts, sampling pump will run (begin sampling) when the countdown finished. After reaching to the set sampling volume, the pump will automatically stop, and the screen will return to the main interface, sampling finish, sampling data will be automatically saved.
- 5) Remove the sampling head, take out the dish and cover it with its original cover, label or number it if necessary, then place it in a thermostatic incubator which has reached the set temperature for incubation.
- 6) If change location for another sampling process, it need to sterilize again, repeat the previous steps.
- 7) In the main interface, press "Select" to data query, you can see the previously recorded sample data (including sampling quantity, sampling date, sampling time, sampling location code and other information), it can save 2000 pages of data, press "Select" to adjust the cursor position, press "up" and "down" button to turn page, press "Exit" to return to the main interface.
- 8) During sampling, if press "Exit" will manually terminate sampling, the pump will stop working and the display of the total sampling volume will stop, the screen returns to the main interface.

VIII. System requirements

1. Operating system requirements: Sampler software can running on windows XP /7/8/10
2. Hardware requirements: USB2.0/USB3.0.

IX. Driver installation

1. Turn on the computer and connect Sampler to computer with USB.
2. As figure 1, if the connection is the first time, the computer will be prompted to "Install device driver software", and computer will auto install Sampler drivers.



Figure 1

3. If the Sampler drivers haven't been successfully installed, please open "USB Driver" folder, install "CDM20828_Setup.exe", click "Extract" button, as figure 2:

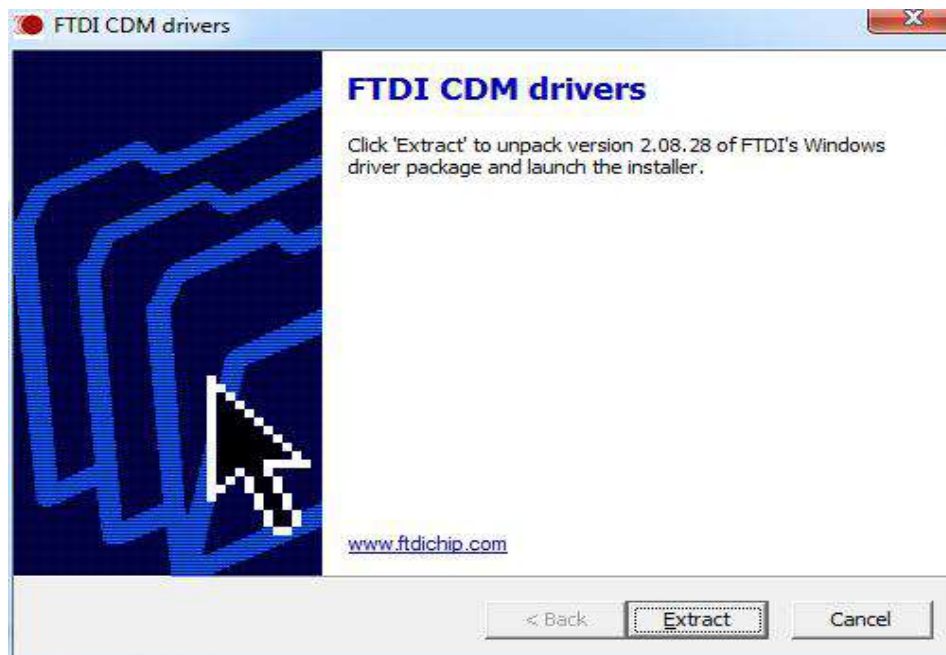


Figure 2

4. Click "Next" button , as figure 3:



Figure 3

5. As figure 4, the Sampler drivers are now installing, please wait a minute.

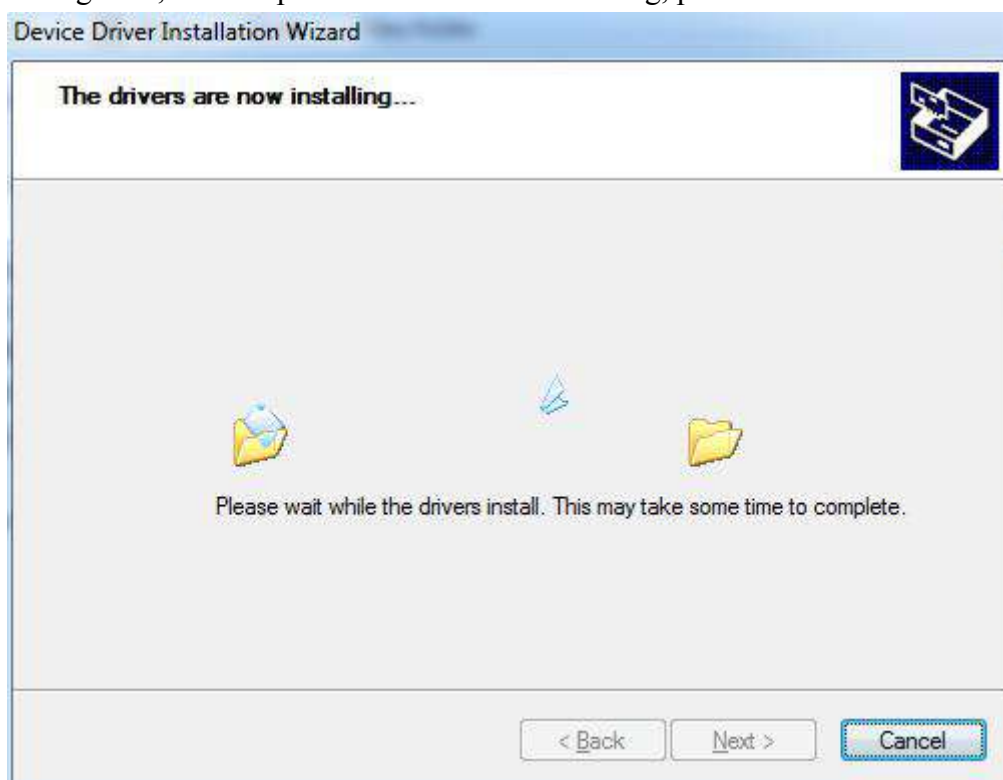


Figure 4

6. Finally, as figure 5, click "Finish" button to close device installation wizard.



Figure 5

X. Software installation

1. Put the Install-CD in the computer CD-ROM, open "software" file and install "setup.exe ". If the computer hadn't .NET Framework 4 environment, the installation package will install ".NET Framework 4" first, click "Accept" button as figure 6:

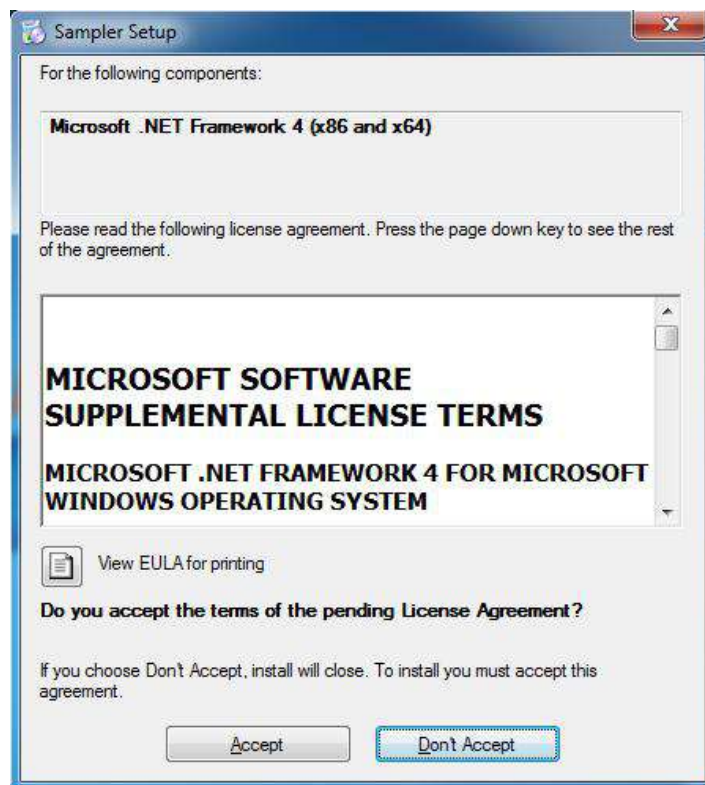


Figure 6

After install ".NET Framework 4", click "Next" button to install Sampler software, as figure 7:



Figure 7

2. Click "Next" button after select installation folder, as figure 8:

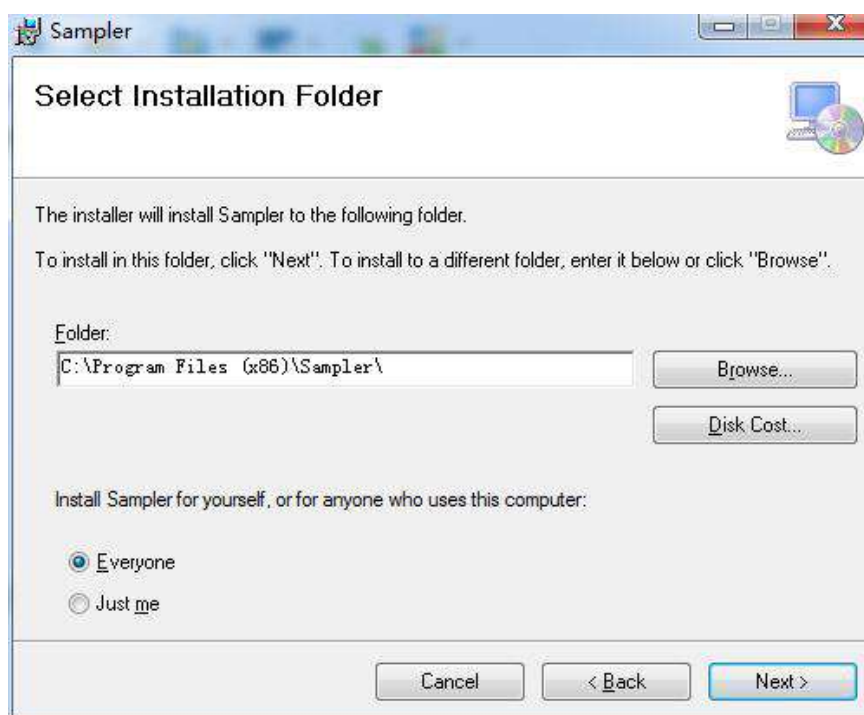


Figure 8

3. Wait a minute, if Sampler software has been successfully installed, please click "Close" button, as figure 9:

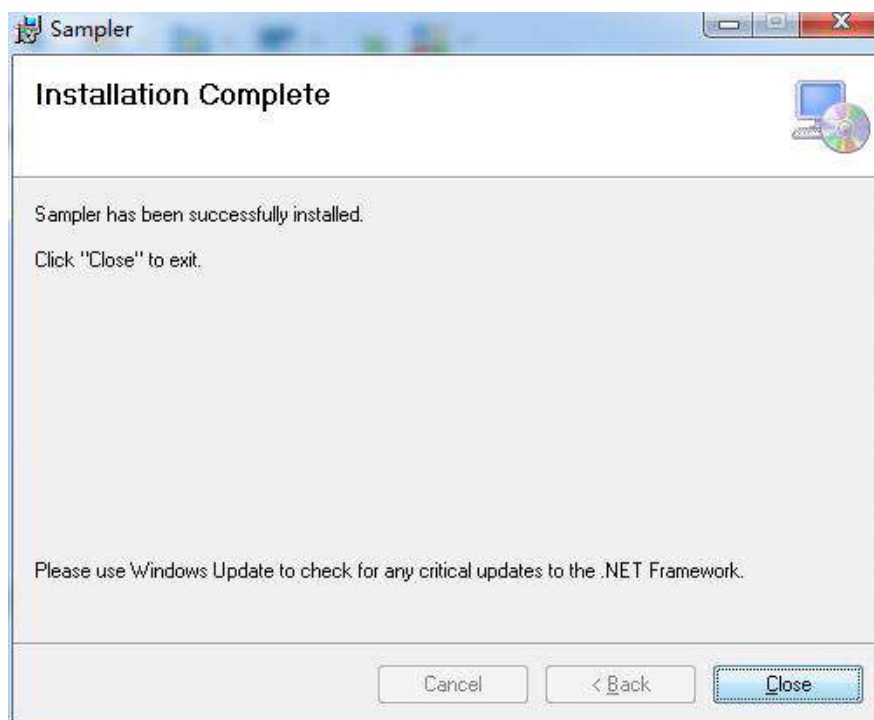


Figure 9

XI. Software introduce

Software main interface:

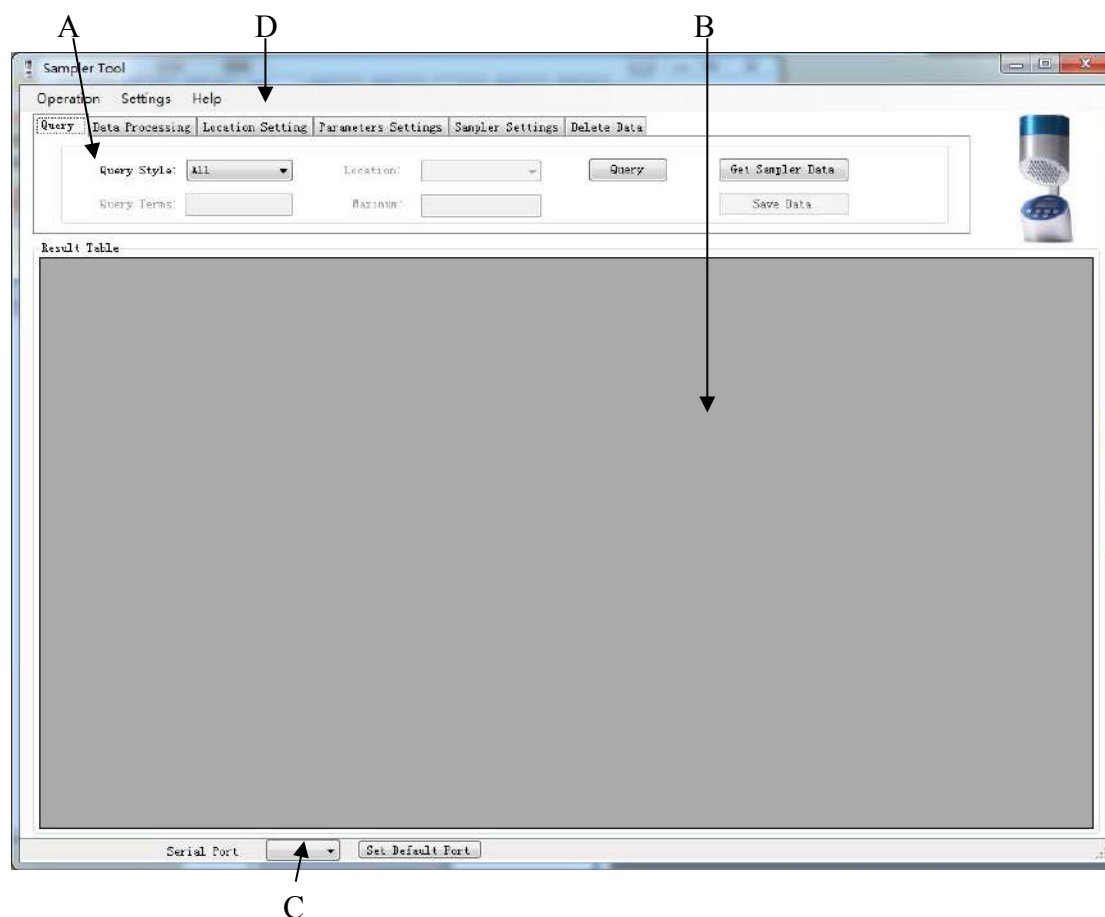


Figure 10

A. Function interface area: this area has six function interfaces: **Query**, **Data Processing**, **Location Setting**, **Parameter Setting**, **Sample Settings** and **Delete Data**. User can click tab pages to switch function interface.

1. Query

As figure 11, Query Style has "All", "Date", "Location" and "Volume" style. Select "All" style can query all data had saved; If user select "Date" style, user should input date(format:2017-01-01); If user select "Location" style, user should select location in "Location" drop-down boxes; If user select "Volume" style, user should set "Maximum" and "Minimum" value. After user select **Query style**, user should click "Query" button, query result will be displayed on "**B. Query result area**".

If user wants to download Sampling data, user should click "**Get Sampler Data**" button, sampling data will be displayed on "**B. Query result area**" after wait a minute. If user wants to save Sampling data in user PC, please click "**Save Data**" button.

Figure 11

2. Data Processing

As figure 12, if user wants to modify (update) or delete the data user queried, user should select processing style in "**Processing**" drop-down boxes. If user select "**Modify**", please select "**Row**" and "**Column**" number which user want to modify, finally, click "**Execute**" button can modify this selected data after input new value in "**Value**" text-boxes; If user wants to delete one data, user should select "**Delete**" in "**Processing**" drop-down boxes, please select "**Row**" number which user wants to delete, finally, click "**Execute**" button can delete this selected data; If user wants to export data, please click "**Output to Excel**" button.

Figure 12

3. Location Setting

Because of sampling location number is from 00 to 99, so user can set location name in software to one-to-one match sampling location coding. As figure 13, if user click "**Get Locations**" button, than user can see "Sampling location number" and "Location name" on "**B. Query result area**"; User should select location number which user wants to change location name in "Location Number" drop-down boxes, click "**Modify**" button after user has inputted new location name in "**Location**" text-boxes.

Figure 13

4. Parameter Settings

User can set Sampler working parameters, such as "**Location**", "**Sampling**", "**Delay**" and "**Volume**". As figure 14, "**Sampling Delay**" ranges is from 1 to 255 seconds, the sample "**Volume**" in the range of 1 to 600, it mean that the maximum sample volume is 6000L. Click "**Execute**" button can save parameters to Sampler after user has completed Parameter Settings.

Figure 14

5. Sampler Settings

User can set Sampler date (time) and language. As figure 15, user can adjust "**Date**" and "**Time**" in text-boxes; User can adjust Sampler language to "**Chinese**" or "**English**". Click "**Execute**" button after user has completed Sampler Settings.

Figure 15

6. Delete Data

As figure 16, user can click "**Delete All Sampling Data**" button to delete all sampling data from Sampler; User can click "**Delete All Sampling**" button to delete "**4.Parameter Settings**" from Sampler; User can click "**Clear computer data**" button to delete all sampling data from PC.

Figure 16

B. Query result area: This area is used to display data.

C. Serial Port settings: As figure 17, please connect Sampler to PC with USB, Open the PC device manager, view the serial number of Sampler, select Sampler serial number in "**Serial Port**" drop-down boxes. Finally, click "**Set Default Port**" button.

Figure 17

D. Settings menu: As figure 18 and figure 19, user can click "Settings" menu to change software language or skin.

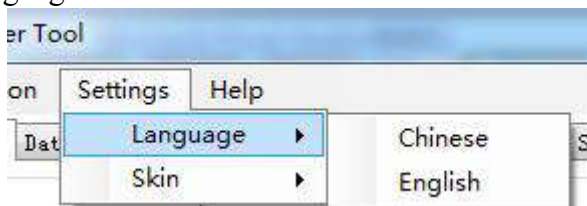


Figure 18

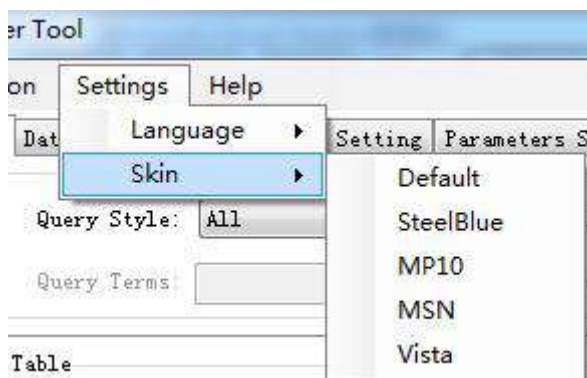


Figure 19

XII. Maintenance and precautions

1. Shall not sampling toxic or corrosive gas, not use it in high acidity and alkalinity environment, not use it in dust concentration more than 0.3mg/ m³ environment.
2. Do not start sampling before removing the cover in case of pump get overheat or burnt.
3. If display shows low power (empty in the batter symbol) it indicates the battery must to be charged, otherwise it will affect the battery life of the sampler.
4. When installing dish, dish must be in place and fastened, and adjust the dish to the approximate water level.
5. After each use, must to use alcohol to swab clean "sampling head" and "protective cover", and put the "protective cover" on the "sampling head".
6. If not use for a long time, it should be placed in the box. We recommend use it at least once per month, each time running 20 minutes.

XIII. Troubleshooting

Phenomenon	Reason	Measures
Switch on but no display	1. Low Battery 2. Fuse burnt	1. Plug in 8.4V DC adapter 2. Open the lower cover to place a new fuse
The pump not work when press “Start” for sampling	1. Wire is broken inside the handle 2. Pump power fail 3. Pump fail	1. Reconnect the wires inside the handle 2. Replacement pump power 3. Replacement pump
Low sampling flow rate	1. Low battery power 2. Sampling nozzles get obstructed 3. Excessive culture medium in dish	1. Plug in the power charger 2. Cleaning sampling head 3. Place appropriate culture medium in the Petri dish
Messy display or button dysfunction	Control system crash	Switch off and restart after five seconds, The parameters can be re-set

✧ **If problem still exist, please contact the following numbers:**

Tel: +86-20-32078333 (ext. 8771, 8777)

Fax: +86-20-32079983

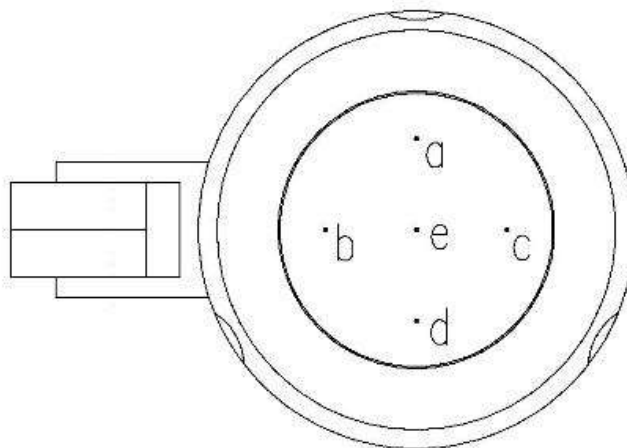
XIV. Accessories

1	Power converter (adapter)	Input:AC100~240V 50~60Hz Output:DC 8.4V 2000mA	1 set
2	Calibration device	For hot wire anemometer	1 set
3	Manual Warranty card		1 set
4	USB data cable	Only for the following models: HKM-II A or HKM-II B	1 set

XV. Factory test report

Temperature: _____ Humidity: _____ Series No.: _____

1. Appearance: _____
2. Function tests: _____
3. Battery performance check: _____
4. Parametric tests: _____



Sampling Location Map

Item & Criteria	Test point	a	b	c	d	e	Average
Sampling head wind	0.38m / s						
Sampling time error	$\pm 0.5S$						
Measuring tube size	$\Phi 75 \pm 0.1$ mm						

5. Conclusion: _____

Inspector: _____

Reviewer: _____

Inspection date: _____

XVI. Appendix:

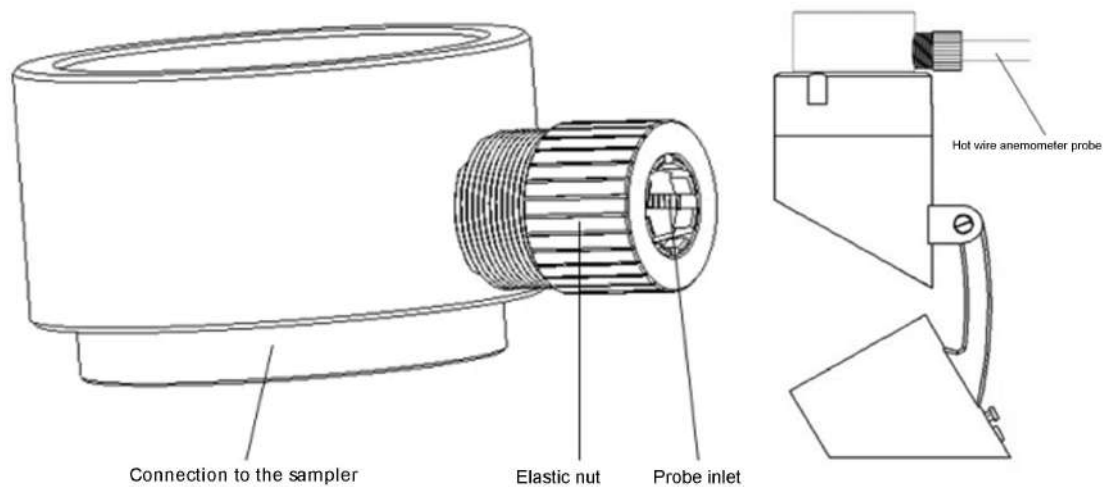
HKM-II Microbial air sampler

Flow calibration device

1 Instrument preparation

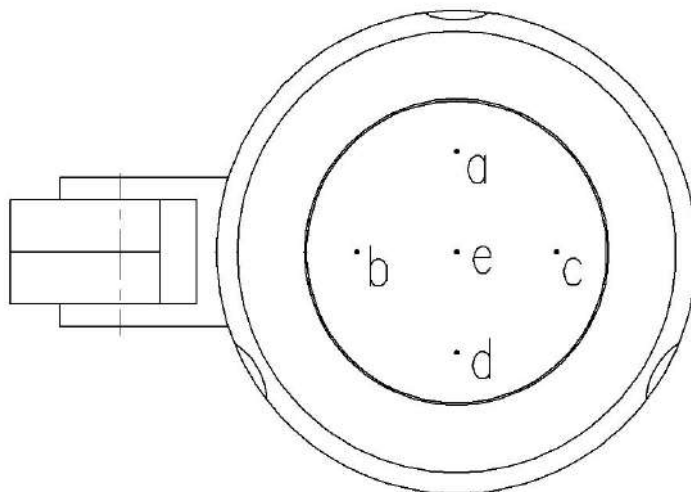
1.1 Attach the wind speed calibration special parts to the top of the sampling head as shown on the right.

1.2 Extend the hot wire anemometer probe into the wind speed probe inlet.



1.3. Tighten the nut of the calibration fitting clockwise to secure the anemometer probe.

1.4. Take a sample of a, b, c, d, and e of the sampling head as shown below, and measure them with an anemometer probe. Finally, take the average of 5 points as the final measurement result.



2. Instrument operation:

- 2.1 Press the menu button on the main interface until “Change Factory Settings” is displayed, press “Up and Down” to switch to “Yes”, then press “Start”.
- 2.2 Enter the password "5817" (adjust by "up and down keys" and "selection key").
- 2.3 Press the “Start” button to enter the debug mode.
- 2.4 Press the “up and down keys” and “selection keys” to adjust the wind speed series. The range of 0~255 is adjustable (HKM II-B type is adjustable from 0 to 900).
- 2.5 After adjusting the wind speed parameters, press the “Start” button to save.

3. Note:

- 3.1 The hot ball anemometer probe should be parallel to the microbial sampler sampling head.
- 3.2 The calibration wind direction of the hot ball anemometer probe should be perpendicular to the microbiome sampler sampling head.
- 3.3 When reading the anemometer reading, the hot ball anemometer probe should be kept fixed to reduce human jitter.
- 3.4 The record should be read when the anemometer display is stable.

4. Calculation method

- 4.1 Measuring the diameter of the sampling head (d), unit: mm (mm)
- 4.2 Measure the sampled wind speed average (v) in meters per second (m/s)
- 4.3 Flow rate (Q), unit: liter per minute (L/min)
- 4.4 Counting formula: flow rate (Q) = sampling head surface area (S) × wind speed (v)

$$Q = \pi \times (d/2)^2 \times v$$

$$Q \text{ (L/min)} = \frac{\pi \times (d/2)^2 \times v \times 60}{1000}$$



Certification of Conformity

EU- ELECTROMAGNETIC COMPLIANCE DIRECTIVE - 2014/30/EU

Registration No.: ENC160701GZ74

Applicant : GUANGDONG HUANKAI MICROBIAL SCI. & TECH. CO., LTD.
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CHINA
Product Designation : MICROBIAL AIR SAMPLER
Model Number : HKM-II, HKM-IIA, HKM-IIB
Brand Name : HKM
Manufacturer : GUANGDONG HUANKAI MICROBIAL SCI. & TECH. CO., LTD.
Manufacturer Address : NO. 788 SHENZHOU ROAD, SCIENCE CITY, GUANGZHOU
DEVELOPMENT DISTRICT, LUOGANG, GUANGZHOU,
CHINA

The submitted products have been tested by us with the listed standard and found in compliance with the following European Standards:

Requirement	Applied Standards	Test Report No.
Emission	EN 61326-1:2013 EN 55011:2009	ENC160701GZ74E1
Immunity	EN 61326-1:2013 EN 61000-4-2:2009; EN 61000-4-3:2006; EN 61000-4-4:2012; EN 61000-4-5:2014; EN 61000-4-6:2014; EN 61000-4-8:2010.	

This certificate is based on an evaluation of a sample of the above mentioned product. Technical report and documentation are at the licence applicant's disposal. This certificate does not imply assessment of the series-production of the product. The CE markings as shown below can be affixed on the product after preparation of necessary technical documentation.




Ray Zhou / General Manager
Issue Date: Jul. 6, 2016

East Notice Certification Service Co., Ltd.

1/F, Haohui Commercial Building, Zhuji Street, Dongpu Town, Tianhe District, Guangzhou City
Tel: +86-020-2331 4234 Fax: +86-020-8256 8534 E-mail: enc@enc-lab.com Web: www.enc-lab.com



QUALITY MANAGEMENT SYSTEM CERTIFICATE

Certificate No. 00119Q36235R5M/4400

We hereby certify that
Guangdong Huankai Microbial Sci. & Tech. Co., Ltd.

Unified Social Credit Code: 914400001903669341

No.788, Shenzhou Road, Science City, Economic and Technological Development Zone,
Luogang District, Guangzhou, Guangdong Province, China

by reason of its
Quality Management System
has been awarded this certificate for compliance with the standard
GB/T 19001-2016 / ISO 9001:2015
The Quality Management System Applies in the following area:

Research and development, Manufacture and Sales Serving of Reagent for Microbial Detection,
Reagent for Physical-chemical Analysis, Disinfectant, Detergent. Sales of Relevant Reagent, Chemical
and Laboratory Apparatus

Certified since: April 26, 2004 Valid from: August 8, 2019 Valid until: June 8, 2022
the expiry date of last certification cycle: June 8, 2019 the date of recertification audit: April 22, 2019 to April 23, 2019

After a surveillance cycle, the certificate is valid only when used together with an Acceptance Notice of Surveillance Audit issued by CQC.
Please access www.cqc.com.cn for checking validity of the certificate.

This certificate and its relevant information can query in the website of Certification and Accreditation Administration of the People's
Republic of China (www.cnca.gov.cn).



中国认可
国际互认
管理体系
MANAGEMENT SYSTEM
CNAS C001-M

陆梅
Signed by: Lu Mei



CHINA QUALITY CERTIFICATION CENTRE

Section 9, No.188, Nansihuan(the South Fourth Ring Road) Xilu(West Road), Beijing 100070,China

<http://www.cqc.com.cn>

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 m³). 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)		



«TRIUMF-MOTIV» SRL

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DECLARAȚIA

Prin prezenta, compania SRL “*Triumf-Motiv*” participant la procedura de achiziție publică nr. [ocds-b3wdp1-MD-1618557081221](#) din data de 09.05.2021, organizată de Centrul pentru Achiziții Publice Centralizate În Sănătate, declară că:

- ❖ Va prezenta la livrare copiile manualului de deservire sau servis manual, diagrama electronică, pașapoartele tehnice, inclusiv descrierea părților tehnice și componente a dispozitivului, autorizat de producător pentru fiecare dispozitiv.
- ❖ Va livra și instala gratuit dispozitivele medicale, în termen de 10 zile lucrătoare din data de notificare emisă de beneficiar.
- ❖ Va prezenta Certificatului de calibrare la livrarea dispozitivului.
- ❖ Va instrui gratuit personalul implicat în operarea dispozitivului medical asigurat de operatorul economic câștigător, pe parcursul a 2 zile din momentul punerii în funcțiune a dispozitivului.
- ❖ Va asigura gratuit funcționalitatea, mentenanța, reparația dispozitivelor medicale pe toată perioada de garanție.
- ❖ Anul producerii dispozitivului este 2021.
- ❖ Perioada de garanție nu este mai mică de 36 luni din data finalizării procesului de instruire.
- ❖ Va realiza procedurii de validare IQ/OQ/PQ dup criteriile stabilite de producător.

Data completării: 07.05.2021

Semnat: _____

Nume: Jighili Tatiana

Funcția în cadrul firmei: administrator

Denumirea firmei și sigiliu: SRL *Triumf-Motiv*

