



**National Institute of Food Technology Entrepreneurship and Management (NIFTEM)**

An Institute of National Importance (INI) under Ministry of Food Processing Industries, GOI,  
Plot No 97, Sector-56, HSIIDC Industrial Estate, Kundli-131028, District-Sonepat (Haryana)

**EOI No. N/PuS/P/2024/28/32**

**Date: 16.11.2024**

**EXPRESSION OF INTEREST (EOI)**

**SUBJECT: EOI FOR TRANSFER OF TECHNOLOGY OF THE RAPID PESTICIDE TEST KIT DEVELOPED BY NIFTEM-K.**

NIFTEM-Kundli has developed an innovative **Rapid Pesticide Test Kit** for quick and accurate detection of pesticide residues in food products. This technology aims to enhance food safety and ensure compliance with national and international standards.

Applications are invited from eligible organizations with relevant experience in manufacturing and commercializing rapid testing kits to participate in the Technology Transfer (ToT) process for this product **on CPPP e-Procurement website** <https://eprocure.gov.in/eprocure/app> from eligible bidders at NIFTEM Campus, Kundli, Distt.- Sonepat, Haryana.

**Important Date & Time**

S.N.	Particulars	Important Dates	Time
1.	Issue of EOI documents	16.11.2024	06.00 PM
2.	Pre-bid Meeting	18.11.2024	03.00 PM
3.	Bid submission start date and time	20.11.2024	04.00 PM
4.	Last date & time for submission of EOI	25.11.2024	04.30 PM
5.	Date & time of opening of Technical Bids	26.11.2024	05.00 PM
6.	Date & time of opening of Financial Bids	Will be intimated separately to the successful bidders	

**Definitions**

- **NIFTEM Kundli:** The owner and developer of the Rapid Pesticide Test Kit technology.
- **Industry Partner:** The selected company or organization licensed to use the technology.
- **Technology:** The Rapid Pesticide Test Kit, inclusive of all know-how, patents, formulations, and testing protocols.
- **GMP Facilities:** Good Manufacturing Practices (GMP) facilities ensuring compliance with quality, safety, and regulatory standards.
- **Checklist:** A comprehensive list of mandatory compliance requirements for the production process.

## 1. ABOUT NIFTEM-K

NIFTEM-Kundli (Institute of National Importance) is a premier academic and research institution under the Ministry of Food Processing Industries (MoFPI), Government of India. It is dedicated to advancing food technology, entrepreneurship, and management. The institute's state-of-the-art facilities and innovative research focus on bridging gaps between academic knowledge and industry requirements to create solutions that address food safety, sustainability, and global competitiveness.

## 2. BRIEF DESCRIPTION OF THE PRODUCT

The **Rapid Pesticide Test Kit** developed by NIFTEM-K offers a quick, cost-effective, and user-friendly solution for detecting pesticide residues in food products. This kit is designed to be used by food safety inspectors, food processing industries, and other stakeholders to ensure compliance with safety standards and enhance consumer trust.

## 3. SCOPE OF THE TOT PROCESS

The Technology Transfer (ToT) will be conducted on a **non-exclusive basis**, providing the selected industry partner with:

- **Comprehensive Technical Documentation:** Includes protocols, testing methodologies, and production guidelines.
- **Licenses and Rights:** A non-exclusive, non-transferable license to manufacture, commercialize, and distribute the product.
- **Bill of Materials:** Detailed documentation of materials and equipment required for manufacturing.
- **Training and Support:** Provision of training to the industry partner's technical team, along with handholding support during the initial phases of technology adoption.
- **Test Plans and User Manuals:** Guidelines for product testing and operation.

## 4. ELIGIBILITY CRITERIA FOR INDUSTRY PARTNERS

To qualify for consideration, industry partners must:

- The bidder must be a registered and legal entity in India, fulfilling the requirements of the *Make in India* initiative.
- The bidder should have prior experience in manufacturing rapid test kits, preferably in the food safety sector, with adherence to regulatory standards.
- The bidder should have possess or commit to establishing Good Manufacturing Practices (GMP)-certified facilities, ensuring quality control and regulatory compliance.

## 5. REQUIREMENTS AND OBLIGATIONS OF THE INDUSTRY PARTNER

### A. Quality Assurance and Control -

The selected industry partner will be required to:

- Implement and maintain rigorous Quality Control (QC) and Quality Assurance (QA) measures throughout the production process.
- Comply with the regulatory guidelines and standards to ensure consistent accuracy and reliability of the test kit.
- Regularly monitor batch quality with documented processes and submit reports for initial batch production to NIFTEM-K for approval.

### B. Manufacturing Facility Compliance -

The partner must ensure the production facility meets the following standards:

- **GMP Certification:** Facilities must be GMP-certified, with a periodic audit and compliance review by relevant authorities.
  - Production must adhere to international standards, including but not limited to ISO 13485:2016 for medical devices (if applicable), and WHO GMP guidelines, and the manufacturing facility shall be well equipped.
  - The Industry Partner must undergo inspections by a NIFTEM-appointed committee to ensure ongoing GMP compliance. Any minor deviations observed by the committee must be rectified within 2 weeks of reporting.
- **Environmental Control:** Facilities should maintain appropriate temperature and humidity control systems, with specified ranges in accordance with NIFTEM-K's requirements.
- **Clean Room Standards:** Maintain specific sections of the facility to meet ISO clean room standards (ISO 7/ISO 8) to ensure a contaminant-free production environment.

## 6. TECHNOLOGY TRANSFER CHECKLIST

The following checklist outlines key pre-transfer and post-transfer requirements that must be met by the industry partner before and during the technology transfer process and **audited by the NIFTEM-K Committee:**

### Pre-Transfer:

- a) Obtain GMP certification for the production facility with Audit reports.
- b) Implement required quality management systems (QMS) for production control.
- c) Ensure the availability of a trained technical team for process implementation.
- d) Submit a manufacturing plan and facility layout for review.
- e) Sign a non-disclosure agreement (NDA) for the protection of proprietary information.
- f) **Manufacturing Facility Requirements:**

- **State-of-the-Art Equipment**

- The manufacturing facility must be equipped with the latest instruments and technologies required for the production of the Rapid Pesticide Test Kit.
- All critical and necessary equipment (**Annexure-III**), including automation, assembly lines, and quality control instruments along with proof of purchase documents, which must meet the specifications outlined in NIFTEM's technology transfer documentation.
- Equipment must undergo routine maintenance and calibration as per the manufacturer's guidelines to ensure accuracy, reliability and compliance with production standards.
- **Environmental Control**
  - The manufacturing facility must maintain a controlled environment, including:
    - **Temperature Control (Temp):** The facility must have a temperature control system to ensure a stable environment suitable for production. The recommended temperature range should be maintained as specified in the production guidelines, typically between **18°C to 25°C** or as per the requirements of the materials used in the clean room production area.
    - **Relative Humidity Control (RH):** The facility must also control relative humidity levels to prevent degradation of sensitive components. A range of **25% to 30% relative humidity (RH)** is recommended, or as per NIFTEM's technology transfer specifications.
  - The facility must install automated temperature and humidity monitoring systems to track and record environmental data continuously.
  - Any deviations in temperature or humidity levels must trigger an automatic alert system, and corrective actions should be taken immediately.
- **Clean Room Standards**
  - Due to the nature of the product, certain sections of the manufacturing facility should meet **clean room standards**, such as ISO 7 or ISO 8, ensuring that the production environment is free of contaminants.
  - Regular air quality monitoring and filtering systems (HEPA filters, if needed) must be installed to maintain a controlled and clean environment.
- **Validation and Monitoring**
  - The Industry Partner must maintain a record of environmental monitoring data for inspection by NIFTEM or relevant regulatory bodies.

**Post-Transfer:**

- Perform validation and test runs under the supervision of NIFTEM experts
- Submit initial batch production reports for approval.
- Establish a traceability system for each production batch.
- Ensure proper labelling, packaging, and storage conditions as per regulatory guidelines.
- Adhere to regulatory guidelines for product registration, if applicable.

## 7. CORRIGENDUM/ADDENDUM

Corrigendum / addendum, if any, would only be appear on CPP Portal or NIFTEM's Website and by no other mode, therefore, all the bidders are advised to visit regularly. Any amendments will be binding on all interested bidders.

NIFTEM-K also reserves the right to extend the bid submission deadline. In such cases, all rights and obligations of NIFTEM-K and the bidders under the previous deadline will remain applicable for the extended period.

## 8. EVALUATION PROCEDURE

1. **Interested organizations** are required to submit their Eol application in the prescribed format, provided in **Annexure-I (Part A and Part B [(B1, B2, B3)] & Annexure-II**, along with all supporting documents through CPP Portal.
2. The eligibility of bidders and their technical bid will be evaluated by a duly constituted Technical Evaluation Committee on the basis of documents submitted by the bidders with their Technical Bid in support to eligibility and other terms & conditions.
3. During the evaluation process, NIFTEM-K may ask for clarifications, if any, from the bidders regarding their claim. These requests, along with the bidders' responses, shall be through CPP Portal or any other mode as communicate. No post-submission modifications or unsolicited clarifications from the bidders will be entertained.
4. The bidders that are fulfilling the technical eligibility criteria as per Annexure-I (Part- **B1, B2**) will be invited to present their business plans before NIFTEM-K's for Technology Transfer as a part of the evaluation process on the date and time decided by the Committee.
5. Besides above, the Committee of NIFTEM-K may also conduct site visits to the bidders' premises, with prior notice, to inspect and assess the facilities mentioned in their Eol submissions to access the capability.
6. The bidder(s) who will score minimum 100 marks out of 200 marks in technical parameters and found fully capable in all respects, shall be considered qualified and will be eligible for technology transfer for initial period.

**9. License/ Award:** The Institute/Committee is at liberty to license more than one agency for transfer of technology.

## 10. GENERAL TERMS AND CONDITIONS

1. Acceptance of the EOI will be intimated to the successful agency(s) through a Letter of Intent (LOI)/ duly signed by the authorized signatory of the Institute.
2. NIFTEM-K reserves the right to reject any or all applications without providing any justification.
3. Incomplete or non-compliant Eol submissions that do not meet the requirements specified in this document or fail to adhere to the prescribed format (Annexure-I (Part A and Part B) & Annexure-II,III) may be rejected without further correspondence.

4. Canvassing in any form will result in disqualification.

## **11. INTELLECTUAL PROPERTY RIGHTS**

NIFTEM-K retains all intellectual property rights to the technology. The industry partner is granted a non-exclusive, non-transferable license to use the IP for production and commercialization on agreed terms and conditions. Any modifications or improvements made by the partner to the technology must be reported to NIFTEM-K, and any new IP may be subject to joint ownership agreements.

## **12. LIABILITY AND WARRANTY**

- The industry partner is responsible for ensuring regulatory compliance throughout the production process.
- NIFTEM-K provides the technology on an "as-is" basis and assumes no liability for claims, damages, or losses arising from its use in production or commercialization.
- The industry partner agrees to indemnify NIFTEM-K against any third-party claims related to the product's production or distribution.

## **13. THIRD-PARTY VALIDATION AND REGULATORY APPROVALS**

Any fee associated with third-party validation and obtaining necessary regulatory approvals for the kit are the sole responsibility of the industry partner. Additionally, The partner agrees to comply with all local and national regulations relevant to food safety and rapid test kit manufacturing.

## **14. COMMERCIALIZATION AND BRANDING**

The test kit's branding and marketing will be under the industry partner's discretion; however, acknowledgment of NIFTEM Kundli's technology development contributions is required in all product literature and advertisements.

## **15. TERMINATION CLAUSE**

NIFTEM-K reserves the right to terminate the agreement in cases of non-compliance with the terms outlined or failure to maintain quality and regulatory standards.

## **16. GOVERNING LAW AND DISPUTE RESOLUTION:**

- This agreement shall be governed by the laws of India.
- In case of any dispute between party of first part (NIFTEM) and the part of other party (Agency) arising out of or in relation to the agreement, the dispute shall be referred to Director, NIFTEM for arbitration. The award of the said Arbitrator shall be binding upon both parties. The seat of the arbitration shall be at NIFTEM, Kundli, Sonapat.



- In case of any dispute between party of first part (NIFTEM) and the part of other party (Agency) arising out of or in relation to the agreement, the dispute shall be referred to Court at Sonipat/Chandigarh.

**17. For further clarification regarding this EoI document, please contact:**

**Purchase related queries:**

Purchase Division  
NIFTEM, Kundli, Sonapat (Haryana) – 131028  
Phone No. - 0130-2281057  
E-mail ID - [purchase.niftem@gmail.com](mailto:purchase.niftem@gmail.com)

**Technical queries:**

Dr. Komal Chauhan  
Professor, Food Science & Technology  
NIFTEM, Kundli, Sonapat (Haryana) – 131028  
Phone No. – 0130-2281035  
E-mail ID – [drkomal.niftem@gmail.com](mailto:drkomal.niftem@gmail.com)

**(Registrar, NIFTEM)**

**ANNEXURE-I**

*(The following details should be submitted along with EoI / Application for licensing)*

**Part – A**

**Note:**

1. Certificate of Incorporation
2. The disclosure document of the Respondent's entity, which should reveal its shareholding pattern and its relation to the subsidiaries. This document should comply with the SEBI regulations.
3. Certificate issued by the practicing CA/CS regarding the shareholding pattern of the respondent as on the date of EOI along with Unique Document Identification Number (UDIN).
4. In case any shareholder of the respondent is not an individual, then, the details showing who are the ultimate individual beneficial shareholders of the respondent.
5. A certificate stating the list of directors, partners who are managing the entity.

**Company Details**

Name		Registered Address		
Phone Number		Email Id		
PAN Number		TAN		
GSTIN		State code		

**Contact Person Details**

Name		Address		
Phone Number		Email Id		

**Size of company**

Small		Medium		Large
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**Structure of company**

Start-up/MSME/DIIP	Sole Proprietorship	Limited Liability company	Partnership	Corporate
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**Ownership of company**

Indian		MNC		Foreign owned
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**Nature of your company's business**

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**Products or services offered**

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**Number of employees in your company**

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<b>Do you have manufacturing facilities? If Yes, Details please</b>
<b>List of collaborations and network you have critical for commercialization of this technology</b>
<b>A brief commercialization plan (include a description of the manufacturing, marketing, financial and technical resources available)</b>
<b>Does the company have CDSCO/FSSAI approval? If yes, Copy of the valid certificate</b>
<b>Attachments required</b>
Copy of Pan
Copy of Tan
Copy of MoA
Copy of Company Brochure
Audited Balance Sheet (at least of last three year)
Qualifications of employees, experts, partners, and network including Technical/Scientific (Mandatory)
Details of facilities
Proof of registration and in operation of the company
<b>A brief commercialization plan (include a description of the manufacturing, marketing, financial and technical resources available)</b>

**Part-B1**

**PRE-QUALIFICATION CRITERIA**

<b>S.N.</b>	<b>Pre-Qualification Criteria</b>	<b>Supporting documents to be submitted in EOI</b>
1	The Bidder must be an existing Company registered under the Companies Act, 1956 or a partnership firm registered under the Partnership Act, 1932 or registered under LLP Act, 2008.	a) Certificate of incorporation b) Memorandum and Articles of Associations c) Valid GST Registration Certificate d) Copy of PAN

2	The bidder should be in the business of Rapid Food Test Kit/Services for last three years as on date of submission of bid.	Copy of Work Order/ Contract Agreement/Client Testimonial
3	Bidder should have an Average Annual Turnover of Rs. 5.0 Crores or above for the financial years (FY2021-22, FY2022-23 & FY 2023-24)	<ul style="list-style-type: none"> <li>Audited Balance Sheets for (FY2021-22, FY2022-23 &amp; FY 2023-24) along with Profit and loss statements</li> <li>CA Certified Average Annual Turnover for last 3 financial years</li> </ul>
4	Bidder must have an experience of minimum (01) Project with minimum project in Design, Development and Operation of Rapid Food Test Kit for any Government Department/UN or Public Sector Undertaking in the last 3 years	Copy of Work Order/ Contract Agreement/Client Testimonial
5	Bidder shall not be under declaration of ineligibility for corrupt or fraudulent practices/ shall not be blacklisted by Government.	Self-declaration on company's letter head duly signed by authorized personnel should be attached as a documentary proof for the same from all the companies
6	License/Compliance: The Bidder should have valid GST Registration Certificate and PAN No	Copy of relevant certifications should be attached with the bid
7	Consortium Not Allowed	Self- Declaration on company's letterhead duly signed by authorized signatory of the bidder should be attached.
8	Bidder shall have at least two of the following certifications: a) ISO 9001:2015 or above b) ISO/IEC 13485:2016 c) WHO: GMP/CE	Copy of the valid certificate

**Note:**

The Party/Parties are expected to respond to the EoI using the forms given in this section and all documents supporting Pre-Qualification / EOI Criteria. Proposal / Pre-Qualification Bid shall comprise.

**Declaration**

I, the undersigned, hereby declare that the information provided in this *Invitation for Expression of Interest (EOI) for Transfer of Technology (ToT) for Manufacturing Rapid Test Kits* is accurate and correct to the best of my

knowledge. This document reflects current and comprehensive details regarding the technology transfer opportunity, including eligibility requirements, scope of transfer, and submission guidelines.

**Signature with Name & Seal:**

**Place:**

**Date:**

**Part-B2**

<b>B.</b>	<b>ESSENTIAL REQUIREMENTS</b>	<b>Marks</b>	
1.	The organization must be a reputed firm/ Company/ SME/Start-up/ R&D company incorporated in India withstanding of at least 3 years.	10	
2.	Annual Average Turnover of the Bidder during last three financial years should not be less than Rs. 5.00 Cr. During last three F.Y. (2021-22, 2022-23 & 2023-24). Attach documentary evidence (Audited Balance Sheets/Profit & Loss Account Statements/ ITRs for last 03 financial years). INR 5.00 Cr. = 12 Mark INR 5.01 – 10.00 Cr. = 14 Marks INR 10.01 – 20.00 Cr. = 16 Marks INR 20.01 – 30.00 Cr. = 18 Marks INR 30.00 Cr. and above = 20 Marks	20	
3.	Company profile, giving details of current activities and management/personnel structure including evidence of incorporation. The company should be registered and ISO 9001 or equivalent certified.	10	
4.	Details of absorption/transfer of technology for a product/knowhow that has been taken up on production scale in the past may also be given in separate document	10	
5.	The in-house technological expertise available to be furnished. The manpower strength (Technical: Mechanical, Electrical, Electronics, Software Food Technologist/ Microbiologist, etc & Non- Technical etc.) at various levels to be furnished. Technical: A. B.E./B. TECH/M. TECH/PhD (01/2/3) mark for each employees) B. DIPLOMA (0.5 mark each per employee) C. SKILLED TECHNICIANS (01 mark for each employee) D. UNSKILLED (0.5 mark for each employee) Non-technical: (0.25 mark for each employee) (but not maximum to 20 marks)	20	

6.	The complete list of equipment's & facilities available for inspection and quality control to be furnished. (Refer Annexure-III) (0.5 marks for each equipment/ facility upto Rs. 50.00 Lakh and 02 mark for each equipment/facility of above Rs. 50.00 Lakh but not maximum to 50 marks)	50	
8.	The details of sales, marketing and maintenance network to be furnished. Complete Network with 25 persons 10 marks Complete Network with 20 persons 8 marks Complete Network with 15 persons 6 marks Complete Network with 10 persons 4 marks Complete Network with 5 persons 2 marks	10	
9.	The list of technical collaborations for various ongoing products may be furnished (05 mark for each ongoing product).	10	
10.	Expression of Interest: Spell out the extent of interest and envisaged market potential	10	
11.	GMP/GHP/ISO/HACCP/FSAAI certification 2 marks for each certification (but not maximum to 10 marks)	10	
12.	Interaction-cum-PPT Presentation to present their business plans before NIFTEM-K's Technology Transfer (ToT) Committee	40	
		<b>200 Marks</b>	

I hereby declare that the above information is true to the best of my knowledge.

**Signature with Name & Seal:**

**Place:**

**Date:**

**Part-B3**

The Committee of NIFTEM-K may also conduct site visits to the technically Qualified bidders' premises, with prior notice, to inspect and assess the facilities mentioned in their EoI submissions to access the capability.



## ANNEXURE-II

### Financial Bid Submission Format for Rapid Pesticide Test Kit ToT

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**1. Upfront minimum Reserve Price:** Rs. 5,00,000/- (*Rupees Five Lakhs*) + *Applicable Taxes*

**2. Process involved in Technology Transfer:** Interested companies/manufacturers are invited to join hands with NIFTEM-K for co-development/further development & commercialization of the Technology/ Product(s). Under this EoI, the manufacturers/companies who are responsive and fulfilling all the technical need will be shortlisted based on their GMP facilities and capabilities. Qualified companies/manufacturers will only be contacted for execution of MoA/MoU/Agreement for partnership/collaboration/technology transfer, etc. Subsequent to the execution of the Agreement such companies/manufacturers shall be responsible to pay the minimum **Royalty, at the rate of 0.5% on net sales** in line with "NIFTEM-K Guidelines for Technology Development Collaboration"

### 3. Terms and Conditions:

- 1. Production Monitoring:** The company shall provide regular production and sales data to NIFTEM-K for R&D and quality monitoring purposes.
- 2. License Validity:** The royalty agreement will remain valid throughout the licensing period as defined in the ToT agreement (**Non-exclusive for 5 years**).
3. The final decision of technology transfer on the basis of technical and financial evaluation will be made by NIFTEM-K.
4. The copy of the license agreement for the technology transfer can be downloaded from the link below:  
[https://niftem.ac.in/newsite/?page\\_id=82](https://niftem.ac.in/newsite/?page_id=82)

### Authorized Signatory

Signature: \_\_\_\_\_

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Company Seal: \_\_\_\_\_

**Place:** \_\_\_\_\_

**Date:** \_\_\_\_\_

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This format ensures all financial elements related to the ToT of the **Rapid Pesticide Test Kit** are clearly outlined, aligning with NIFTEM-K's EoI requirements.

**Annexure – III**

<b>Instruments to be covered during inspection (Check list)</b>				
<b>Following Instruments are required as per requirement of Regulatory guidelines.</b>				
<b>(Rapid Card Test manufacturing and Quality Instruments)</b>				
<b>Instrument List (Manufacturing)</b>				
<b>S.N.</b>	<b>Name</b>	<b>Preferable Make or any other similar quality reputed Make</b>	<b>If not available with the mentioned brand then Brand/Make available</b>	<b>Availability (Y/N)</b>
1	Laboratory Balance	CAS WEIGHING INDIA		
2	Laboratory Balance	LCGC RADWAG		
3	Deep Freezer	VEST FROST		
4	Autoclave (Digital)	YORK SCIENTIFIC IND.		
5	FINNPIPETTE F1 12 Channel 30-300µL)	Thermo Scientific/MP BIOHOUSE		
6	FINNPIPETTE F1 (2-20µL)	Thermo Scientific		
7	FINNPIPETTE F1 (20-200µL)	Thermo Scientific		
8	FINNPIPETTE F1 (100-1000µL)	Thermo Scientific		
9	Cooling Centrifuge Machine up to 1-4 liter capacity (SORVALL ST-16R)	Thermo Scientific/ MP BIOHOUSE		
10	CONTINUOUS BAND SEALER	ADD PACK		
11	Digital Vernier Caliper MITUTOYO	MITUTOYO		
12	BRY AIR DEHUMIDIFIER	BRY AIR ASIA		
13	BRY AIR DEHUMIDIFIER	BRY AIR ASIA		
14	Bacteriological Incubator	OPTICS TECHNOLOGIES		
15	HOT AIR OVEN	OPTICS TECHNOLOGIES		
16	PERISTALTIC PUMP	ELECTRO LAB		
17	HAIR DRYER	OFASTER		
18	CUTTING MACHINE	JASNEE BIOTECH		
19	ISO FLOW REAGENT DISPENSING SYSTEM	IMAGENE TECH./ VISTA DIAGNOSTIC		
20	SPINIX VORTEX SHAKER MC-01	TARSON		
21	SPINOT DIGITAL 18X18CM (Mag. Stirrer with Heating)	TARSON		
22	ROTOPIN BAR 12X50ML TUBES	TARSON		
23	SPINIT MAGNETIC STIRRER 18X18CM (Mag. Stirrer )	TARSON		
24	ROCKER VACCUME PUMP	TARSON		
25	DRY&WET HYGROMETER	RPD ENTERPRISES		
26	HYGROMETER HAND OPERATED	RPD ENTERPRISES		

Instrument List (Manufacturing)				
27	Air Handling Unit System	Bry Air		
28	Manual Dipping	Local		
29	Electronic Weighing balance	Starius		
30	PH Meter	Thermo Scientific		
31	Cooling Centrifuge Machine up to 1-4 liter capacity	Thermo Scientific		
32	Double Beam UV Spectrophotometer (λ <sub>max</sub> - 190-1100 nm)	Thermo Scientific		
33	Hot Air Oven in SS up to 90 degree	Thermo Scientific		
34	BOD Incubator with RH	Thermo Scientific		
35	Incubator in SS up to 60 degree total 4 qty	Thermo Scientific		
36	Deep freezer -80 degree	Thermo Scientific		
37	Vertex spin mixture	Thermo Scientific		
38	Digital Magnetic stirrer with hot plate (IKA up to 300 degree) 4 Qty	IKA, Thermo		
39	Ink jet Coding Machine	Vidoe jet		
40	Biosafety Cabinet class 1	Thermo Scientific		
41	Programmable High Speed Strip cutter machine	Biodot		
42	Programmable High Speed Rotary Urine Strip Cutting Machine	Biodot, Kinbio		
43	Automatic Cassette Pressing Roller with convers belt	Biodot, Kinbio		
44	Continuous Band sealer Industrial Grade Machine in SS Benchtop	Local		
45	Digital Magnetic Stirrer up to 5000 G	IKA, Thermo		
46	Digital Autoclave 50 Lit	Thermo Scientific		
47	Programmable Coating Machine (Dispenser) up to 4-5 line	Biodot, Zeta Corporation		
48	Ultrapure water system 0.18 Ωm for water quality	Merck		
49	Dehumidifier with Ducting connection	Bry-air		
50	Peristaltic pump	Merck		
51	4 ° C cold rack or Refrigerator 450 lit.	Thermo Scientific		
52	Ultra-pure water purification	Millipore		
53	PH Meter	Systronics		
54	Vaccum oven	SISCO		
55	Fin Pippette -5ml	Thermo Scientific		
56	Fin Pippette -10ml	Thermo Scientific		
57	Digital Thermometer (-50°C to 110°C)	MexTexch		

58	Manual Thermometer (-10°C to 110°C)	Tech-Nu		
59	Electronic Timer	Racer		
60	Digital Temp/hygrometer	CTH		
61	Manual Drying TEMP. RANGE 50~250°C Temp. Fluctuation ±1°C	Local		
62	Double side tap lamination Manual	Local		
<b>Instrument List (Quality Control)</b>				
63	Bio-Safety Cabinet	YORK SCIENTIFIC IND.		
64	Bacteriological Incubator	OPTICS TECHNOLOGIES		
65	LABORATORIES JACK	OPTICS TECHNOLOGIES		
66	SPINIX VORTEX SHAKER MC-01	TARSON		
67	SPINWIN MC-00 2 PLACE ROTOR (MICRO CENTRIFUGE)	TARSON		
68	DIGITAL THERMOMETER	MEXTECH		
69	ELECTRONIC TIMER	Local		
70	HAND HOLD MAGNIFIER WITH LED LIGHT	Local		
71	PH Meter	Systronics		
72	Conductivity meter	TOSHCON IND.		
73	Star -20 Auto Analyzer	Aspen Diagnostic		
74	FINNPIPETTE F1 (0.2-2µL)	Thermo Scientific/ MP BIOHOUSE		
75	FINNPIPETTE F1 (2-20µL)	Thermo Scientific		
76	FINNPIPETTE F1 (20-200µL)	Thermo Scientific		
77	FINNPIPETTE F1 (100-1000µL)	Thermo Scientific		
78	Digital Thermometer (-50°C to 110°C)	MexTexch		
79	Manual Thermometer (-10°C to 110°C)	Tech-Nu		
80	Manual Hygrometer	Zeal		
81	Digital Temp/hygrometer	CTH		
82	HYGROMETER HAND OPERATED	RPD ENTERPRISES		
83	ELECTRONIC TIMER	Racer		
84	Digital Vernier Caliper MITUTOYO	MITUTOYO		