

HLL LIFECARE LIMITED
(A Government of India Enterprise)
MANESAR
DISTRICT: GURUGRAM, PIN CODE-122051
HARYANA STATE
PH.NO: 0124-4030949 FAX: 0124 4030949
Website: www.lifecarehll.com

EXPRESSION OF INTEREST
No. HLL: MFG: SOURCE: EOI: CM: LL:01:2017-18

TENDER DOCUMENT

FOR

**“EMPANELMENT OF MANUFACTURERS FOR MANUFACTURE &
SUPPLY OF IN-VITRO DIAGNOSTIC KITS ON CONTRACT
MANUFACTURING/UNDER LOAN LICENSE”**

Last date and time for Receipt of Technical Bid	: 07.11.2017 up to 11:00 Hrs
Date and time of opening of Technical Bid	: 10.11.2017 at 11:00 Hrs
Pre bid meeting	: 31.10.2017 at 11.0 Hrs



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1. NOTICE INVITING EXPRESSION OF INTEREST

HLL Lifecare Limited (Formerly Hindustan Latex Limited) (HLL) is a “Mini Ratna” PSU under the Ministry of Health & Family Welfare, Govt. of India involved in the promotion of Health care Products through its marketing division. HLL invites Expression of Interest from interested parties TO MANUFACTURE & SUPPLY OF VARIOUS IN VITRO DIAGNOSTIC KITS ON LEASE/ CONTRACT MANUFACTURING on an exclusive basis. Its contents etc are given in this Bid document.

The scope of work under the present Expression of Interest covers the following:

1. Willingness to develop cGMP (Schedule M-III of Drug & Cosmetics Act) compliant diagnostics manufacturing new facility as per HLL requirements or to provide established manufacturing facility (Plant Capacity: 15 - 20 Million tests /annum) on lease to HLL for manufacture of In-Vitro Diagnostic Kits.
2. Manufacture & Supply of various diagnostic kits (Rapid Kits / ELISA kits / Biochemistry Reagents) on Contract Manufacturing / Under Loan License.
3. The Willingness to partner HLL and utilize the existing equipments / machines for carrying out production activities. List of equipments / machines given as Annexure-I
4. Ensure strict compliance to all statutory regulations with furnishing of a “Certificate of Analysis” confirming to Drugs & Cosmetics Act & Medical Devices Rules prevailing in India for each batch of all products manufactured from the facility.
5. Follow cGMP practices for IVDs throughout the manufacturing process.
6. Ensuring Production of quality products at all stages and at all time.
7. Maintenance of on line Batch manufacturing record as per the requirement of Drugs & Cosmetic Act and the rules there of.



The details of item, item specifications and terms & conditions etc. are given in Tender documents as Annexure-II. The tender documents can be had from our Office on any working day between 11:00 AM to 3:30 PM by paying Rs 5000/- by Cash / DD / Banker's Cheque (inclusive of ST) drawn in favour of HLL Lifecare Limited, payable at State Bank of India, Delhi / Gurugram. Further, Tender documents can also be downloaded from our website **www.lifecarehll.com** or Govt. Procurement Portal **eprocure.gov.in**. However, the cost of **Tender documents i.e. Rs. 5000 /- by D.D / Banker's Cheque shall be given along with the Technical Bid.**

Tender Schedules / Timelines:

Last date for Receipt of Technical Bid	07.11.2017 (up to 11:00 Hrs.)
Opening of Technical Bids	10.11.2017 (at 11:00 Hrs.)
Pre Bid Meeting	31.10.2017 (at 11.00 Hrs)
*EMD amount to be deposited	Rs 5.0 Lakh

We request you to submit your sealed Technical bid for the Empanelment of Manufacturers to develop new facility as per HLL requirements or to provide established manufacturing facility and manufacture & supply of in vitro diagnostic kits on Contract Manufacturing / Under Loan License.

In case you need any further information, please feel free to contact the undersigned on E-mail: pngupta@lifecarehll.com, Ph. No: 0124-4030949, Cell 09999305085.

Unit Chief and Business Head (Diagnostic Kits)



2. BID DATA SHEET & BACKGROUND NOTE

Address for Submission of Bids	Unit Chief & Business Head (Diagnostic Kits) HLL Lifecare Limited (A Govt. of India Enterprise) Plot no 71, Sector 7, IMT, Manesar – 122 051 Dist. Gurugram, Haryana Tel: 0124 4030949
Bid validity	90 days from the date of bid opening.
No. Of copies	No. Of copies: 1 original
Pre Bid Meeting Schedule	Date: 31.10.2017 at 11:00 hrs Venue HLL Manesar Plant, Plot No 71, Sector-7, IMT, Manesar, Gurugram
Dead line for submission of Technical Bid	Date: 07.11.2017 up to 11:00 Hrs.
Date of opening of Technical Bid	Date: 10.11.2017 at 11:00 Hrs.

BACKGROUND NOTE

Company Background

HLL Lifecare Limited (formerly Hindustan Latex Limited) (HLL) is a Mini Ratna (Category-1 PSE) company under the Ministry of Health and Family Welfare. Our Corporate head office is at Thiruvananthapuram, Kerala. We have seven production units – two in Thiruvananthapuram, one each at Kakkanad, Irapuram in Kerala and one each at Kanagala, Belagavi, Karnataka & Indore M.P., and Manesar, Haryana. Procurement & Consultancy Office at Noida, Manufacturing facility at CSEZ and Marketing Offices around the Country. We have Five subsidiaries viz., HLL Biotech Ltd., Goa Antibiotics Ltd., HLL Infra Tech Services Ltd., Lifespring Hospitals (P) Ltd., and HLL Management Academy.

HLL has developed an impressive production infrastructure for a range of Contraceptives and Health Care Products. We are also planning to venture into new and challenging frontiers in the area of Health Care such as Vaccines, R&D, Hospitals and Pharmaceuticals. The total employees strength of HLL is around 5000.



3. ELIGIBILITY CRITERIA FOR BIDDERS

- a) The bidder should have a facility with minimum 6000 sq ft area which can be utilised for production process & QC labs and additional sufficient space for storage of materials and finished products for a Plant capacity of 15 -20 million test kits / annum
- b) The bidder should have annual Turnover of Rs 5.00 Crore (Rs Five Crore) during any one of the last three financial years i.e. 2013-14, 2014-15 and 2015-16. Annual Report / Certificate from Chartered Accountant shall be enclosed.
- c) The tenderer should have No-Conviction Certificate for last 1 year (Self attested copy should be enclosed).
- d) Copy of Site Master File must be enclosed.
- e) A Demand Draft/Banker's Cheque for Rs 5,00,000/- towards Earnest Money Deposit, drawn in favour of "HLL Lifecare Ltd." and payable at SBI, Delhi / Gurugram shall be enclosed.
- f). A Demand Draft / Banker's Cheque for Rs 5,000/- towards cost of Tender Form, drawn in favour of "HLL Lifecare Ltd." and payable at SBI, Delhi / Gurugram shall be enclosed.
- g) A self-declaration to enter into an agreement as stipulated in the tender document in case of contract manufacturing / Under Loan License manufacturing and leasing of established IVDs manufacturing facility or willingness to develop new facility meeting HLL requirements, within 10 days from the date of issue of order needs to be enclosed with Technical Bid,



4. SCOPE OF WORK & GENERAL INSTRUCTIONS TO BIDDERS

General Scope

1. Willingness to develop cGMP (Schedule M-III of Drug & Cosmetics Act) compliant diagnostics manufacturing new facility as per HLL requirements or to provide established manufacturing facility (Plant Capacity: 15 - 20 Million tests /annum) on lease to HLL for manufacture of In Vitro Diagnostic Kits.
2. Manufacture & Supply of various diagnostic kits (Rapid Kits / ELISA kits / Biochemistry Reagents) on Contract Manufacturing / Under Loan License.
3. The Willingness to partner HLL and utilize the existing equipments / machines for carrying out production activities. List of equipments / machines given as Annexure-I
4. Ensure strict compliance to all statutory regulations with furnishing of a "Certificate of Analysis" confirming to Drugs & Cosmetics Act & Medical Devices Rules prevailing in India for each batch of all products manufactured from the facility.
5. Follow cGMP practices for IVDs throughout the manufacturing process.
6. Ensuring Production of quality products at all stages and at all time.
7. Maintenance of on line Batch manufacturing record as per the requirement of Drugs & Cosmetic Act and the rules there of.

GENERAL INSTRUCTIONS TO BIDDERS

1. Ethical Standard

- 1.1 Bidders are expected to observe the highest standard of ethics during the procurement and execution of this Contract. In pursuit of this policy, HLL will reject a proposal for award if it determines that the Bidder being considered for award has engaged in corrupt or fraudulent practices in competing for the Contract

For the purposes of this provision, the terms set forth below are defined as follows:

- (i) Corrupt practice: means the offering, giving, receiving, or soliciting of anything of value to influence the action in the procurement process or in Contract execution; and
- (ii) Fraudulent practice: means a misrepresentation of facts in order to influence procurement process including collusive practices designed to establish bid prices at artificial, non-competitive levels to deprive HLL of the benefits of competition;



2. Cost of Bidding

The Bidder shall bear all costs associated with the preparation and submission of its bid, and the Purchaser will in no case be responsible or liable for those costs.

3. Clarification of Bidding Documents

- a) A prospective Bidder requiring any clarification of the Bidding Documents may notify the Purchaser in writing, or by e mail at the purchasers mailing address indicated in the Invitation for Bids. The Purchaser will respond in writing to any request for clarification of Bidding Documents, which it receives not later than 5 days prior to the deadline for submission of Bids prescribed by the Purchaser.
- b) During the bid evaluation, the Purchaser may, at its discretion, ask the Bidder for a clarification of its bid. The request for clarification and the response shall be in writing, and no change in the price or substance of the bid shall be sought, offered, or permitted.

4. Amendment of bidding documents

- a) At any time prior to the deadline for submission of bids, the Purchaser may, for any reason, modify the Bidding Documents by amendment in company website only.
- b) The amendment will be notified in writing or fax or telegram or e-mail to all prospective Bidders, which have received the Bidding Documents and will be binding on them.

Preparation of Bids

5. Language of Bid

All correspondence and documents related to the bid shall be in English.

6. Documents Accompanying the Bid

The Response to mandatory requirements shall consist of:

- a. A forwarding letter indicating the submission of sealed Technical Bid. An authorized person holding the Power of Attorney should sign the letter.
- b. Power of Attorney in original and/or duly notarized.
- c. Signed copy of Tender Document (all pages to be signed & stamped)



- d. Organization structure of the Bidder & escalation mechanism.
 - e. Copy of the Manufacturing License from competent authority.
 - f. Copies of executed any orders, if available.
7. For all the parts of the Bid, the Bidder shall prepare one original bid as per Bid Data Sheet (BDS). The Bid consisting of the complete set of documents shall be signed by the Bidder or a person duly authorized to bind the Bidder to the Contract. All pages of the bid shall be numbered except for un-amended printed literature, which shall be initialed by the person signing the bid.
 8. The bid shall contain no interlineations, erasures, or overwriting, except to correct errors made by the Bidder, in which case the person or persons signing the bid shall initial such corrections.

9. Period of Validity.

Empanelment shall remain valid up to 3 years from the date of signing the agreement; further renewal shall be made upon mutual agreed terms.

Submission of Bids

10. Sealing and Marking of Bids

The Bidder shall prepare and seal in an **envelope** with requisite documents super scribing the envelope as **No. HLL: MFG: SOURCE: EOI: CM: LL:01:2017-18 "Bid for Empanelment of Manufacturer to Manufacture & Supply of In Vitro Diagnostic Kits ON LEASE / CONTRACT MANUFACTURING/ UNDER LOAN LICENSE"**

- i) The envelope shall be addressed to HLL at the address given in the bid data sheet and
- ii) Bear the Contract name, the Invitation for Bids title and number, and the statement **DO NOT OPEN BEFORE 10.11.2017** (Mention the date of opening of the bid as given in the tender documents).
- iii) EMD & Bid Document fee shall be sealed in a separate envelope.
- iv) If the outer envelope is not sealed and marked as required HLL will assume no responsibility for the bids misplacement or premature opening.



11. Deadline for Submission of Bids

Bids must be received by HLL at the address specified in the bid not later than the time and date stated in the bid. HLL may, at its discretion, extend this deadline for submission of bids in which case all rights and obligations of HLL and Bidder thereafter be subject to the deadline as extended.

12. Late Bids

Any bid received by HLL after the bid submission deadline prescribed by HLL in the bid, will be rejected and returned unopened to the Bidder.

13. Modification and Withdrawal of Bids

Bids once submitted should not be modified. However in exceptional cases where modification is inevitable, the following procedure for the same should be adopted.

14.1 Modification will be permitted only if a written notice of the same is received by HLL prior to the deadline prescribed for bid submission.

14.2 The Bidder's modifications shall be prepared, sealed, marked, and dispatched as follows

(a) The Bidders shall provide copy of any modification(s) to its bid, clearly identified as such, marked BID MODIFICATIONS ORIGINAL The envelope shall be sealed in which shall be duly marked BID.

14.3 A Bidder wishing to withdraw its bid shall notify HLL in writing prior to the deadline prescribed for bid submission. The withdrawal notice shall be addressed to HLL at the address named in the bid data sheet and bear the Contract name, and the words BID WITHDRAWAL NOTICE. Bid withdrawal notices received after the bid submission deadline will be ignored and the submitted bid will be deemed to be a validly submitted bid.

14.4 No bid may be withdrawn in the interval between the bid submission deadline and the expiration of the bid validity period specified.

14.5 In the event of the date specified for bid receipt and opening being declared as a closed holiday for purchaser's office, the due date for submission of bids and opening of bids will be the following working day at the appointed times.



15. The purchaser may, at its discretion, extend this deadline for submission of bids by amending the Bid Documents or any other reasons, in which case all rights and obligations of the Purchaser and Bidder previously subject to the deadline will thereafter be subject to the deadline as extended, in our website.

Purchaser will not be held responsible for the postal delay, if any, in the delivery of the bidding document or the non-receipt of the same. Bids sent by Telex/Fax/Telegraph will not be accepted.

The company reserves the right to club or split the items of works, change the qualifying criteria at their discretion and to reject the bid or cancel the tender without assigning any reason thereof.

Bid Opening and Evaluation

16. Opening of Bids by HLL

Bids received before the dead line of the submission of the bid will be opened on the date and time of opening mentioned in the Bid Data Sheet (BDS).

Bidders wishing to be present at the time of such opening may send their duly authorized representative.

17. Preliminary Examination of Bids

17.1 HLL will examine the bids to determine whether they are complete, whether any computational errors have been made, whether required securities have been furnished, whether the documents have been properly signed, and whether the bids are generally in order.

17.2 HLL may waive any minor nonconformity, or irregularity in a bid that does not constitute a material deviation, provided such waiver does not prejudice or affect the relative ranking of any Bidder.

18. Clarifications on Bids

During the bid evaluation, HLL may, at its discretion, ask the Bidder for a clarification of its bid. The request for clarification and the response shall be in writing, and no change in the price or substance of the bid shall be sought, offered, or permitted.

19. Contacting HLL

19.1 From the time of bid opening to the time of Contract award, if any Bidder wishes to contact HLL on any matter related to the bid, he shall do so in writing.



19.2 If a Bidder tries to influence HLL directly or otherwise, interfere in the bid evaluation process and the Contract award decision, his bid will be rejected.

20. HLL's Right to Accept or reject any or all Bids

20.1 HLL reserves the right to accept or reject any bid or to annul the bidding process and reject all bids at any time prior to Contract award, without assigning any reason thereof.

20.2 HLL reserves the right to inspect the manufacturing premises, if so warranted before empanelment and any time during the contract period

21. Notification of Award

Prior to the expiration of the period of bid validity, HLL will notify the successful Bidder in writing that its bid has been accepted.

22. Signing of Contract

22.1 At the same time as HLL notifies the successful Bidder that its bid has been accepted, HLL will send the Bidder the Contract Form provided in the Bidding Documents, incorporating all agreements between the parties.

22.2 Not more than ten (10) days following receipt of the Contract Form, the successful Bidder shall prepare the contract agreement on a Non Judicial stamp paper of Rs. 100/-, sign, date and return it to HLL.

In case, the successful bidder does not do so, HLL in its discretion may cancel the bid of the successful bidder and may accept the bid of the next higher bidder and the successful bidder also be liable to pay damages to HLL.



5. SPECIFIC TERMS & CONDITIONS OF CONTRACTS

1. The manufacturer shall not, at any time, assign, sub-let or make over the contract or the benefit thereof or any part thereof to any person or person what so ever.
2. The manufacturer must submit Batch wise Test Analysis report of In Vitro diagnostic Kits from NABL certified laboratories only in original along with each consignment.
3. The manufacturer shall submit batch wise samples of In Vitro diagnostic kits supplied to the undersigned before the commencement of supply.
4. The In Vitro diagnostic kits shall be supplied in the package specified in Compliance of D&C Act requirements and the package shall carry the logograms specified.
5. No advance payment towards costs of In Vitro Diagnostic kits etc. shall be made to the supplier. The payment against part supply will not be entertained.
6. On completion of supplies of ordered quantities, bills/Invoices should be raised in triplicate in the name of HLL Lifecare Limited.
7. If any time a particular product is found damaged or the packaging has deteriorated or the test reports has failed then the supplier has to replace the whole quantity of item at his own cost within 30 days.



CONDITIONS OF THE CONTRACT

1. Settlement of Disputes

1.1 Arbitration shall not be a means of settlement of any dispute or claim arising out of the contract relating to the work. Any disputes or difference arising between the parties with respect to the performance of any part of this agreement or anything connected therewith, etc shall as far as possible be mutually settled by the process of dialog and negotiation.

1.2 Conciliation/Arbitration

Any disputes or differences or questions or claims arising under or relating to a concerning or touching this agreement shall be referred for arbitration in accordance with the provisions of the Arbitration and Conciliation Act 1996.

The arbitration proceedings shall be held at Thiruvananthapuram. The award passed by the arbitrator shall be final and binding on the parties hereto.

The conduct of such arbitration shall be in English.

1.3 No suspension of work

The obligations of HLL and the bidder shall not be altered by reasons of conciliation/arbitration being conducted during the progress of works. Neither party shall be entitled to suspend the work on account of conciliation/arbitration and payments to the bidder shall continue to be made in terms of the contract.

1.4 Award to be binding on all parties

The award of the Sole Arbitrator, unless challenged in court of law, shall be binding on all parties.

1.5 Jurisdiction of Courts

The Courts at Thiruvananthapuram alone shall have jurisdiction in respect of settlement of any matter arising out or in connection with the contract.

2. Time for Commencement and Acceptance

The Bidder shall commence work within one week from date of issue of Letter of Acceptance / as per HLL requirement.



3. Bidders Responsibilities

- 3.1 The Bidder shall be responsible for timely provision of all resources, information, and decision making under its control that are necessary to reach a mutually Agreed and Finalized Plan within a period of two (2) weeks from the date of issue of Letter of Acceptance.
- 3.2 The bidder shall acquire in the name of HLL, all permits, approvals and/or licenses from all local, state, or national government authorities or public service undertakings that are necessary for the performance of the Contract.
- 3.3 The bidder shall comply with all laws in force in India. The laws will include all national, provincial, municipal, or other laws that affect the performance of the Contract and are binding upon the bidder. The Bidders shall indemnify and hold harmless HLL from and against any and all liabilities, damages, claims, fines, penalties, and expenses of whatever nature arising or resulting from the violation of such laws by the bidder or its personnel. Except that caused by HLL.
- 3.4 The bidder shall provide and employ only such personnel who are skilled and experienced in their respective callings and supervisory staff who are competent to adequately supervise the work at hand.

In particular, the key personnel namely the Project Leader, Quality Assurance personnel any Specialist/Analysts required as appropriate, need to have sufficient experience in terms of relevance and number of years required for the contract.
- 3.5 If for any reason beyond the control of the bidder, there arises a need to replace any personnel, the Bidders shall provide a replacement person of equivalent or better qualification and experience, subject to the written approval of HLL.
- 3.6 The bidder/bidders representatives in HLL shall bind to obey the rules and regulations of HLL.



4. Terms of Payment

WILL BE DECIDED AT THE TIME OF SIGNING OF MOU/AGREEMENT.

5. Delivery Schedule

THE QUANTITY TO BE DELIVERED WILL BE INTIMATED AS PER THE SCHEDULE GIVEN FROM TIME TO TIME – F.O.R. various consignees of various States.

6. Taxes and Duties

The Bidder shall bear and pay all taxes, duties, levies, and charges assessed on the bidder by all municipal, state, or national government authorities, in connection with the Goods and Services supplied under the Contract. Income Tax and Other Taxes as applicable at the time of execution of job or any other government-imposed liabilities would be deducted from each bill submitted by the bidder.

7. Intellectual Property

All rights including the Intellectual Property Rights subsisting in any material including any tools, utilities or methodologies belonging to the Bidders and used to perform the obligations under this Agreement shall remain vested in the Bidders (the Bidders Properties) and any additional or new inventions made in the course of performance of services shall belong to HLL.

8. Confidential Information

HLL and the Bidder (the Receiving Party) shall each keep confidential and shall not, without the written consent of the other party to this Contract (the Disclosing Party), divulge to any third party any documents, data, or other information of a confidential nature (Confidential Information), that has been marked Confidential (Confidential Information)

9. Force Majeure

Force Majeure shall mean any event beyond the reasonable control of HLL or of the Bidders, as the case may be, and which is unavoidable notwithstanding the reasonable care of the party affected and shall include, without limitation, the following



- (a) War, hostilities, or warlike operations (whether a state of war be declared or not), invasion, act of foreign enemy, and civil war;
- (b) Rebellion, revolution, insurrection, mutiny, usurpation of civil or military government, conspiracy, riot, civil commotion, and terrorist acts;
- (c) Strike, sabotage, lockout, embargo, import restriction, industrial dispute, epidemics, quarantine, and plague;
- (d) Earthquake, landslide, volcanic activity, fire, flood or inundation, tidal wave, typhoon or cyclone, hurricane, storm, lightning, or other inclement weather condition, nuclear and pressure waves, or other natural or physical disaster immediately effecting project implementation;

If either party is prevented, hindered, or delayed from or in performing any of its obligations under the Contract by an event of Force Majeure, then it shall notify the other in writing of the occurrence of such event and the circumstances of the event of Force Majeure within fourteen (14) days after the occurrence of such event.

Change in Contract Elements

10. Termination

HLL may at any time terminate the Contract for any reason by giving the Bidders a thirty days (30) notice of termination

11. Termination for bidders Default

- (a) If the Bidder assigns or transfers the Contract or any right or interest therein in violation of the provision of Clause 13(Assignment); or
- (b) If the bidder, in the judgment of HLL, has engaged in corrupt or fraudulent practices in competing for or in executing the Contract, including but not limited to willful misrepresentation of facts concerning ownership of Intellectual Property Rights in, or Proper authorization and/or licenses from the owner to offer, the hardware, software, or materials provided under this Contract.

12. Assignment

The bidder shall not, without the express prior written consent of HLL, assign to any third party the Contract or any part thereof, or any right, benefit, obligation, or interest therein or there under.



FORMAT-1

SELF-DECLARATION
(by established manufacturer)

To,
Unit Chief,
HLL Lifecare Limited
PLOT NO. 71, SECTOR-7, IMT, MANESAR – 122 051
GURUGRAM

Dear Sir,

This is to certify that our Company has not been Black Listed either by State Government or Government of India in connection with Manufacturing or Sourcing, Packaging & Distribution of In-Vitro Diagnostic Kits & other related medical products manufactured by us.

Date:
Place:

Signature:

Name:
Designation:

Common Seal:

Annexure-I: Plant and Machinery

HLL LIFECARE LIMITED			
LIST OF MACHINERY /EQUIPMENT			
Department : Production			31.3.2016
S.N.	EQUIPMENT NAME	EQUIPMENT No.	LOCATION
1.	Hot Air Oven	HLL/PRD/OVEN/01	Production Area
2.	Hot Air Oven	HLL/PRD/OVEN/02	"
3.	Hot Air Oven	HLL/PRD/OVEN/03	"
4.	Dehumidifier	HLL/PRD/DHF/01	"
5.	Dehumidifier	HLL/PRD/DHF/02	"
6.	Dehumidifier	HLL/PRD/DHF/03	"
7.	Dehumidifier	HLL/PRD/DHF/04	"
8.	Dehumidifier	HLL/PRD/DHF/05	"
9.	Dehumidifier	HLL/PRD/DHF/06	"
10.	Dehumidifier	HLL/PRD/DHF/07	"
11.	Dehumidifier	HLL/PRD/DHF/08	"
12.	Dehumidifier	HLL/PRD/DHF/09	"
13.	Dehumidifier	HLL/PRD/DHF/10	"
14.	Inkjet Printer	HLL/PRD/IP/01	"
15.	Inkjet Printer	HLL/PRD/IP/02	"
16.	Inkjet Printer	HLL/PRD/IP/03	"
17.	Inkjet Printer	HLL/PRD/IP/04	"
18.	Inkjet Printer	HLL/PRD/IP/05	"
19.	Inkjet Printer	HLL/PRD/IP/06	"
20.	Sealing Machine (Heat Sealer)	HLL/PRD/SM/01	"
21.	Sealing Machine (Heat Sealer)	HLL/PRD/SM/02	"
22.	Sealing Machine (Heat Sealer)	HLL/PRD/SM/03	"
23.	Sealing Machine (Heat Sealer)	HLL/PRD/SM/04	"
24.	Sealing Machine (Heat Sealer)	HLL/PRD/SM/05	"
25.	Sealing Machine (Heat Sealer)	HLL/PRD/SM/06	"
26.	Sealing Machine (Heat Sealer)	HLL/PRD/SM/07	"
27.	Sealing Machine (Heat Sealer)	HLL/PRD/SM/08	"
28.	Sealing Machine (Heat Sealer)	HLL/PRD/SM/09	"
29.	Sealing Machine (Heat Sealer)	HLL/PRD/SM/10	"
30.	Sealing Machine (Heat Sealer)	HLL/PRD/SM/11	"
31.	Thermometer (0-110°C)	HLL/PRD/TM/01	"

HLL LIFECARE LIMITED
LIST OF MACHINERY /EQUIPMENT

Department : Production		Date : 31-03-2016	
S.N.	EQUIPMENT NAME	EQUIPMENT No.	LOCATION
32.	Thermometer (0-110°C)	HLL/PRD/TM/02	Production Area
33.	Thermometer (0-110°C)	HLL/PRD/TM/03	"
34.	Hygrometer(ZEAL)	HLL/PRD/HM/01	"
35.	Hygrometer(ZEAL)	HLL/PRD/HM/02	"
36.	Hygrometer(ZEAL)	HLL/PRD/HM/03	"
37.	Hygrometer(ZEAL)	HLL/PRD/HM/04	"
38.	Strapping machine	HLL/PRD/STP/01	"
39.	Air Conditioner	HLL/PRD/AIR/01	"
40.	Air Conditioner	HLL/PRD/AIR/02	"
41. 42.	Air Conditioner	HLL/PRD/AIR/03	"
43.	Air Conditioner	HLL/PRD/AIR/04	"
44.	Air Conditioner	HLL/PRD/AIR/05	"
45.	Air Conditioner	HLL/PRD/AIR/06	"
46. 47.	Air Conditioner	HLL/PRD/AIR/07	"
48.	Air Conditioner	HLL/PRD/AIR/08	"
49.	Air Conditioner	HLL/PRD/AIR/09	"
50. 51.	Air Conditioner	HLL/PRD/AIR/10	"
52.	Air Conditioner	HLL/PRD/AIR/11	"
53. 54.	Desiccators	HLL/PRD/DC/01	"
55.	Desiccators	HLL/PRD/DC/02	"
56.	Desiccators	HLL/PRD/DC/03	"
57.	Desiccators	HLL/PRD/DC/04	"
58.	Strapping machine	HLL/PRD/STP/02	"
59.	L-Sealer	HLL/PRD/LS/01	"
60.	L-Sealer	HLL/PRD/LS/02	"
61.	Shrink Wrapping Machine	HLL/PRD/SWM/01	"
	Alpha jet printer (control print)	HLL/PRD/IP/07	"
	Sealing Machine (Heat Sealer)	HLL/PRD/SM/12	"
	Sealing Machine (Heat Sealer)	HLL/PRD/SM/13	"
	Incubator	HLL/PRD/INC/01	"

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HLL LIFECARE LIMITED
LIST OF MACHINERY /EQUIPMENT

Department : Production

Date : 31-03-2016

S.N.	EQUIPMENT NAME	EQUIPMENT No.	LOCATION

62	Shrink Wrapping Machine	HLL/PRD/SWM/02	Production Area
63	Strip Cutter Machine	HLL/PRD/SC/01	"
64	Strip Cutter Machine	HLL/PRD/SC/02	"
65	Pressing Roller Machine	HLL/PRD/PR/01	"
66	Pressing Roller Machine	HLL/PRD/PR/02	"
67	Pressing Roller Machine	HLL/PRD/PR/03	"
68	Air Conditioner	HLL/PRD/AIR/12	"
69	Air Conditioner	HLL/PRD/AIR/13	"
70	Air Conditioner	HLL/PRD/AIR/14	"
71	Air Conditioner	HLL/PRD/AIR/15	"
72	Air Conditioner	HLL/PRD/AIR/16	"
73	Air Conditioner	HLL/PRD/AIR/17	"
74	Air Conditioner	HLL/PRD/AIR/18	"
75	Air Conditioner	HLL/PRD/AIR/19	"
76	Air Conditioner	HLL/PRD/AIR/20	"
77	Air Conditioner	HLL/PRD/AIR/21	"
78	Air Conditioner	HLL/PRD/AIR/22	"
79	Air Conditioner	HLL/PRD/AIR/23	"
80	Dehumidifier	HLL/PRD/DHF/11	"
81	Dehumidifier	HLL/PRD/DHF/12	"
82	Strip Cutter Machine	HLL/PRD/SC/03	"
83	Strip Cutter Machine	HLL/PRD/SC/04	"
84	L-Sealer	HLL/PRD/LS/03	"
85	L-Sealer	HLL/PRD/LS/04	"
86	Strip Cutter Machine	HLL/PRD/SC/05	"
87	Water Purification System	HLL/PRD/WPS /01	"
88	Box Strapping Machine	HLL/PRD/STP/03	"
89	Vernier caliper	HLL/PRD/VC/01	"
90	Weighing Balance	HLL/PRD/BAL/01	"
91	Weighing Balance	HLL/PRD/BAL/02	"
92	Weighing Balance	HLL/PRD/BAL/03	"

HLL LIFECARE LIMITED
LIST OF MACHINERY /EQUIPMENT

Department : Production

Date : 31-03-2016

S.N.	EQUIPMENT NAME	EQUIPMENT No.	LOCATION
93	Micropipette	HLL/PRD/MP/01	Production Area
94	Micropipette	HLL/PRD/MP/02	"
95	Micropipette	HLL/PRD/MP/03	"
96	Micropipette	HLL/PRD/MP/04	"
97	Micropipette	HLL/PRD/MP/05	"
98	Micropipette	HLL/PRD/MP/06	"
99	Micropipette	HLL/PRD/MP/07	"
100	Micropipette	HLL/PRD/MP/08	"
101	Pressing Roller machine	HLL/PRD/PR/04	"
102	Bottle top dispenser	HLL/PRD/BTD/01	"
103	Bottle top dispenser	HLL/PRD/BTD/02	"
104	Autoclave	HLL/PRD/AC/01	"
105	Incubator (Cooling)	HLL/PRD/INC/02	"
106	Cooling Cabinet	HLL/PRD/CC/01	"
107	Hygrometer (ZEAL)	HLL/PRD/HM/05	"
108	Hot Air Oven	HLL/PRD/OVEN/04	"
109	pH Meter	HLL/PRD/pH/01	"
110	Vortex Mixer	HLL/PRD/VM/01	"
111	Magnetic stirrer	HLL/PRD/MS/01	"
112	Coating Dispenser	HLL/PRD/DC/01	"
113	Laminar Air Flow	HLL/PRD/LAF/01	"
114	Vacuum Pump	HLL/PRD/VAC/01	"

HLL LIFECARE LIMITED				
LIST OF MACHINERY/EQUIPMENT				
Department : Quality Control				Date : 01/04/2016
S.No.	Name of Equipment	Equipment Code	Make	Location
1.	pH Meter	HLL/QC/pHM/01	K & Company	First Floor
2.	Conductivity Meter	HLL/QC/CM/01	EI Products	"
3.	Centrifuge	HLL/QC/CFG/01	Remi	"
4.	Incubator	HLL/QC/INC/01	Scientific System	"
5.	Incubator	HLL/QC/INC/02	Scientific System	"
6.	Hot Air Oven	HLL/QC/OVEN/01	Scientific System	"
7.	Cyclo Mixer	HLL/QC/CYM/01	Remi	"
8.	Magnetic Stirrer	HLL/QC/MS/01	Remi	"
9.	Magnetic stirrer	HLL/QC/MS/02	Remi	"
10.	Micropipette(10µl)	HLL/QC/MP/02	k & Company	"
11.	Micropipette(25µl)	HLL/QC/MP/03	GEM	"
12.	Micropipette(50µl)	HLL/QC/MP/04	k & Company	"
13.	Micropipette(100µl)	HLL/QC/MP/05	k & Company	"
14.	Micropipette(1000µl)	HLL/QC/MP/06	k & Company	"
15.	Micropipette(0.5-10µl)	HLL/QC/MP/08	GEM	"
16.	Micropipette(20-200µl)	HLL/QC/MP/09	k & Company	"
17.	Refrigerator	HLL/QC/REF/01	LG	"
18.	Balance	HLL/QC/BAL/01	A & D Company	"
19.	Balance	HLL/QC/BAL/02	Excell precision Co. Ltd.	"
20.	Water Bath	HLL/QC/WB/01	Scientific System	"
21.	Thermometer(-10to+110°C)	HLL/QC/TM/01	GERA	"
22.	Thermometer(-10to+110°C)	HLL/QC/TM/02	GERA	"
23.	Thermometer(-10to+110°C)	HLL/QC/TM/03	GERA	"
24.	Thermometer(0 to -100°C)	HLL/QC/TM/04	GERA	"
25.	Hygrometer	HLL/QC/HM/01	Zeal	"
26.	Measuring Scale (1 mtr.)	HLL/QC/MSS/01	PRIMA GOLD	"
27.	Measuring scale (30 cms.)	HLL/QC/MSS/02	KRISTEEL	"
28.	Vernier Calipers	HLL/QC/VC/01	Mitutoyo	"
29.	Screw Gage	HLL/QC/SG/01	Mitutoyo	"
30.	Leak Test Apparatus	HLL/QC/LTA/01	Shiwani Scientific	"
31.	Bursting Strength Testing	HLL/QC/BST/01	Scientific System	"
32.	Machine			"
33.	Deep Freezer (-50°C)	HLL/QC/DF/01	Vest frost	"
34.	pH Meter	HLL/QC/pHM/02	ELICO	"
35.	Humidity Chamber	HLL/QC/HC/01	Biogenix	

S.No.	Name of Equipment	Equipment Code	Make	Location
36.	Bio Safety Cabinet Class-III	HLL/QC/BSC/01	Khera Industries	First Floor
37.	Incubator	HLL/QC/INC/03	Scope Enterprise	"
38.	Hot Air Oven	HLL/QC/OVEN/02	Khera Industries	"
39.	Vortex Mixer	HLL/QC/VM/01	Lab Line	"
40.	Magnetic Stirrer with Hot Plate	HLL/QC/MS/02	Khera Industries	"
41.	Water Bath	HLL/QC/WB/02	Khera Industries	"
42.	Micro Plate Reader	HLL/QC/MR/01	Khera Industries	"
43.	Micro Plate Washer	HLL/QC/MW/01	Khera Industries	"
44.	Refrigerated Centrifuge	HLL/QC/RC/01	Khera Industries	"
45.	Deep Freezer	HLL/QC/DF/02	Khera Industries	"
46.	Spectrophotometer	HLL/QC/SP/01	Scope	"
47	Refrigerator	HLL/QC/REF/01	LG	"

HLL LIFECARE LIMITED				
LIST OF MACHINERY/EQUIPMENT				
Department : Miscellaneous				Date : 01/04/2016
S.No.	Name of Equipment	Nos	Make	Location
1.	D G Set 200 KVA	01	Kirloskar	Utility, Ground floor
2.	DG Set 250 KVA	01	Ashok Leyland	Utility, Ground floor
3.	Air compressor 5 HP	01	Air Marshal	Utility, Ground floor
4.	Air Curtain	01	Beacon	Stores, Ground floor
5.	Air Curtain	01	Beacon	Production, Ground floor
6.	Air Conditionner	09	LG	Admin/ stores, Ground floor
7.	slotted angle racks (heavy duty)	11	Neel kamal	Stores, Ground floor
8.	Inverter 3.6 KVA	01	Microtech	Admin, Second floor
9.	Godrej - Almirah /file racks	06	Godrej	Admin , Ground floor
10	Refrigerator 225 ltrs	01	LG	Admin, Ground floor

Annexure-II: Product List

A. Rapid Test kits

Sr. No.	Generic Name	Pack Sizes	Composition
1.	Kit for the detection of IgM + IgG Antibodies to Dengue Virus in Human Serum / Plasma. (Card / Cassette format)	01, 05, 10, 25, 30, 50, & 100 Tests	Dengue IgG + IgM Card contain a membrane card which is coated with anti Human IgG antibodies on the IgG test band regions, anti Human IgM antibodies on the IgM test band region & anti mouse immunoglobulin on control band region. A pad containing Dengue antigen conjugated to colloidal gold particles is placed in between the sample pad.
2.	Kit for the detection of IgM Antibodies to Dengue Virus in Human Serum / Plasma (Card / Cassette format)	01, 05, 10, 25, 30, 50, & 100 Tests	Dengue IgM Card contain a membrane card which is coated with anti-Human IgM antibodies on the IgM test band region & anti mouse immunoglobulin on control band region. A pad containing Dengue antigen conjugated to colloidal gold particles is placed in between the sample pad.
3.	Kit for the detection of IgM Antibodies to Dengue Virus in Human Serum / Plasma. (Strip format)	01, 05, 10, 25, 30, 50, & 100 Tests	Dengue IgM Strip contain a membrane card which is coated with anti-Human IgM antibodies on the IgM test band region & anti mouse immunoglobulin on control band region. A pad containing Dengue antigen conjugated to colloidal gold particles is placed in between the sample pad.
4.	Kit for the detection of IgM + IgG Antibodies to Dengue Virus in Human Serum / Plasma. (Strip format)	01, 05, 10, 25, 30, 50, & 100 Tests	Dengue IgG + IgM Strip contain a membrane card, which is coated with anti Human IgG antibodies on the IgG test band regions, anti Human IgM antibodies on the IgM test band region & anti mouse immunoglobulin on control band region. A pad containing Dengue antigen conjugated to colloidal gold particles is placed in between the sample pad.
5.	Kit for detection of Luteinizing Hormone (LH) in Human Urine (Card / Cassette format)	01, 05, 10, 25, 30, 50, & 100 Tests	Luteinizing Hormone Card contains a membrane strip, which is coated with mouse monoclonal anti-LH capture antibody on the test band region & anti mouse immunoglobulin on control band region. A pad containing anti-LH antibodies conjugated to colloidal gold particles is placed in between the sample pad.
6.	Kit for detection of Luteinizing Hormone (LH) in Human Urine (Strip format)	01, 05, 10, 25, 30, 50, & 100 Tests	Luteinizing Hormone Strip contains a membrane strip, which is coated with mouse monoclonal anti-LH capture antibody on the test band region & anti mouse immunoglobulin on control band region. A pad containing anti-LH antibodies conjugated to colloidal gold particles is placed in between the sample pad.
7.	Kit for detection of Luteinizing Hormone (LH) in Human Urine (Midstream format)	01, 05, 10, 25, 30, 50, & 100 Tests	Luteinizing Hormone Midstream contains a membrane strip, which is coated with mouse monoclonal anti-LH capture antibody on the test band region & anti mouse immunoglobulin on control band region. A pad containing anti-LH antibodies conjugated to colloidal gold particles is placed in between the sample pad.
8.	Kit for the detection of Plasmodium falciparum Antigen in Human Serum / Plasma / Blood (Card / Cassette format)	01, 05, 10, 25, 30, 50, & 100 Tests	Malaria (P. falciparum Ag) Card contains a membrane which is coated with mouse monoclonal antibodies to antigens from P. falciparum on the test band regions & anti-mouse Immunoglobulin on control band regions. A pad containing antigens from P. falciparum conjugated to colloidal gold particles is placed between the sample pad & membrane.
9.	Kit for the detection of Antibodies to Plasmodium falciparum in Human Serum / Plasma / Blood (Card / Cassette format)	01, 05, 10, 25, 30, 50, & 100 Tests	Malaria (P. falciparum Ab) Card contains a membrane which is coated with antigens from P. falciparum on the test band regions & anti-mouse Immunoglobulin on control band regions. A pad containing antigens from P. falciparum conjugated to colloidal gold particles is placed between the sample pad & membrane.
10.	Kit for the detection of Antibodies to Plasmodium falciparum in Human Serum / Plasma / Blood (Strip Format)	01, 05, 10, 25, 30, 50, & 100 Tests	Malaria (P. falciparum Ab) Strip contains a membrane which is coated with antigens from P. falciparum on the test band regions & anti-mouse Immunoglobulin on control band regions. A pad containing antigens from P. falciparum conjugated to colloidal gold particles is placed between the sample pad & membrane.

11.	Kit for the detection of <i>Plasmodium falciparum</i> Antigen in Human Serum / Plasma / Blood (Strip Format)	01, 05, 10, 25, 30, 50, & 100 Tests	Malaria (<i>P. falciparum</i> Ag) Strip contains a membrane which is coated with mouse monoclonal antibodies to antigens from <i>P. falciparum</i> on the test band regions & anti-mouse Immunoglobulin on control band regions. A pad containing antigens from <i>P. falciparum</i> conjugated to colloidal gold particles is placed between the sample pad & membrane.
12.	Kit for the detection of <i>Plasmodium falciparum</i> + <i>Plasmodium vivax</i> Antigen in Human Serum / Plasma / Blood (Card / Cassette Format)	01, 05, 10, 25, 30, 50, & 100 Tests	Malaria (<i>P.falciparum</i> + <i>P.vivax</i> Ag) Card contains a membrane which is coated with mouse monoclonal antibodies specific to Lactate Dehydrogenase (LDH) from <i>P. falciparum</i> on the test band regions corresponding to <i>P. falciparum</i> , mouse monoclonal antibodies specific to Lactate Dehydrogenase (LDH) from <i>P. vivax</i> on the test band regions corresponding to <i>P. vivax</i> & anti-mouse Immunoglobulin on control band regions. A pad containing antibodies to pan specific LDH of plasmodium species conjugated to colloidal gold particles is placed between the sample pad & membrane.
13.	Kit for the detection of <i>Plasmodium falciparum</i> + <i>Plasmodium vivax</i> Antigen in Human Serum / Plasma / Blood (Strip Format)	01, 05, 10, 25, 30, 50, & 100 Tests	Malaria (<i>P. falciparum</i>+<i>P.vivax</i> Ag) Strip contains a membrane which is coated with mouse monoclonal antibodies specific to Lactate Dehydrogenase (LDH) from <i>P. falciparum</i> on the test band regions corresponding to <i>P. falciparum</i> , mouse monoclonal antibodies specific to Lactate Dehydrogenase (LDH) from <i>P. vivax</i> on the test band regions corresponding to <i>P. vivax</i> & anti-mouse Immunoglobulin on control band regions. A pad containing antibodies to pan specific LDH of plasmodium species conjugated to colloidal gold particles is placed between the sample pad & membrane.
14.	Kit for the detection of Antibodies to <i>Plasmodium falciparum</i> + <i>Plasmodium vivax</i> in Human Serum / Plasma / Blood (Strip Format)	01, 05, 10, 25, 30, 50, & 100 Tests	Malaria (<i>P. falciparum</i>+<i>P.vivax</i> Ab) Strip contains a membrane which is coated with mouse monoclonal antibodies specific to Lactate Dehydrogenase (LDH) from <i>P. falciparum</i> on the test band regions corresponding to <i>P. falciparum</i> , mouse monoclonal antibodies specific to Lactate Dehydrogenase (LDH) from <i>P. vivax</i> on the test band regions corresponding to <i>P. vivax</i> & anti-mouse Immunoglobulin on control band regions. A pad containing antibodies to pan specific LDH of plasmodium species conjugated to colloidal gold particles is placed between the sample pad & membrane.
15.	Kit for the detection of Antibodies to Plasmodium falciparum + Plasmodium vivax in Human Serum / Plasma / Blood (Card / Cassette Format)	01, 05, 10, 25, 30, 50, & 100 Tests	Malaria (<i>P. falciparum</i>+<i>P.vivax</i> Ab) Card contains a membrane which is coated with mouse monoclonal antibodies specific to Lactate Dehydrogenase (LDH) from <i>P. falciparum</i> on the test band regions corresponding to <i>P. falciparum</i> , mouse monoclonal antibodies specific to Lactate Dehydrogenase (LDH) from <i>P. vivax</i> on the test band regions corresponding to <i>P. vivax</i> & anti-mouse Immunoglobulin on control band regions. A pad containing antibodies to pan specific LDH of plasmodium species conjugated to colloidal gold particles is placed between the sample pad & membrane.
16.	Kit for the detection of Antibodies to Treponema pallidum in Human Plasma / Serum / Blood. (Card / Cassette Format)	01, 05, 10, 25, 30, 50, & 100 Tests	Syphilis Treponema pallidum Rapid Card contains a membrane strip, which is coated with recombinant Treponema pallidum (TP) antigen on the test band region & anti mouse immunoglobulin on control band region. A pad containing recombinant Treponema pallidum (TP) antigen conjugated to colloidal gold particles is placed in between the sample pad.
17.	Kit for the detection of Antibodies to Treponema pallidum in Human Plasma / Serum / Blood. (Strip Format)	01, 05, 10, 25, 30, 50, & 100 Tests	Syphilis Treponema pallidum Rapid Strip contains a membrane strip, which is coated with recombinant Treponema pallidum (TP) antigen on the test band region & anti mouse immunoglobulin on control band region. A pad containing recombinant Treponema pallidum (TP) antigen conjugated to colloidal gold particles is placed in between the sample pad.
18.	Kit for the detection of Chikungunya in Human Serum/Plasma. (Card / Cassette Format)	01, 05, 10, 25, 30, 50, & 100 Tests	Chikungunya test card contains a membrane strip, which is coated with Chikungunya antigen on the test band region & anti mouse immunoglobulin on control band region. A pad containing Chikungunya antigen conjugated to colloidal gold particles is placed in between the sample pad.
19.	Kit for the detection of Chikungunya in Human	01, 05, 10, 25, 30, 50, & 100 Tests	Chikungunya Strip contains a membrane strip, which is coated with Chikungunya antigen on the test band region & anti mouse

	Serum/Plasma. (Strip Format)		immunoglobulin on control band region. A pad containing Chikungunya antigen conjugated to colloidal gold particles is placed in between the sample pad.
20.	Kit for the detection of Leishmania in Human Plasma / Serum. (Card / Cassette Format)	01, 05, 10, 25, 30, 50, & 100 Tests	Leishmania card contains a membrane strip, which is coated with Leishmania antigen on the test band region & anti mouse immunoglobulin on control band region. A pad containing Leishmania antigen conjugated to colloidal gold particles is placed in between the sample pad.
21.	Kit for the detection of Leishmania in Human Plasma / Serum. (Strip Format)	01, 05, 10, 25, 30, 50, & 100 Tests	Leishmania rapid test strip contains a membrane strip, which is coated with Leishmania antigen on the test band region & anti mouse immunoglobulin on control band region. A pad containing Leishmania antigen conjugated to colloidal gold particles is placed in between the sample pad.
22.	Kit for the detection of IgG antibodies to Leptospira (Leptospira interrogans) in Human Plasma / Serum.(Card / Cassette Format)	01, 05, 10, 25, 30, 50, & 100 Tests	Leptospira IgG rapid test card contains a membrane strip, which is coated with anti Human IgG antibodies on the test band regions & anti mouse immunoglobulin on the control band region. A pad containing anti leptospira antigen conjugated to colloidal gold particles is placed in between the sample pad.
23.	Kit for the detection of IgG antibodies to Leptospira (Leptospira interrogans) in Human Plasma / Serum. (Strip Format)	01, 05, 10, 25, 30, 50, & 100 Tests	Leptospira IgG rapid test strip contains a membrane strip, which is coated with anti Human IgG antibodies on the test band regions & anti mouse immunoglobulin on the control band region. A pad containing anti leptospira antigen conjugated to colloidal gold particles is placed in between the sample pad.
24.	Kit for the detection of IgG + IgM antibodies to Leptospira (Leptospira interrogans) in Human Plasma / Serum.(Card / Cassette Format)	01, 05, 10, 25, 30, 50, & 100 Tests	Leptospira IgG +IgM rapid test card contains a membrane strip, which is coated with anti Human IgG antibodies on the IgG test band region, anti Human IgM antibodies on the IgM test band region & anti mouse immunoglobulin on the control band region. A pad containing anti leptospira antigen conjugated to colloidal gold particles is placed in between the sample pad.
25.	Kit for the detection of IgG + IgM antibodies to Leptospira (Leptospira interrogans) in Human Plasma / Serum. (Strip Format)	01, 05, 10, 25, 30, 50, & 100 Tests	Leptospira IgG +IgM rapid test strip contains a membrane strip, which is coated with anti Human IgG antibodies on the IgG test band region, anti Human IgM antibodies on the IgM test band region & anti mouse immunoglobulin on the control band region. A pad containing anti leptospira antigen conjugated to colloidal gold particles is placed in between the sample pad.

26.	Kit for the detection of Plasmodium antigens(Pan) + <i>Plasmodium falciparum</i> antigen(Pf) in Human whole blood (Card / Cassette Format)	01, 05, 10, 25, 30, 50, & 100 Tests	Malaria Pan+Pf Ag card contains a membrane which is coated with monoclonal HRP-2/ anti pan specific antibodies on pan line, monoclonal anti Pf HRP-2 antibodies on Pf line and anti-rabbit antibodies on control line regions. A pad containing monoclonal anti HRP-2 conjugated to colloidal particles is placed between the sample pad & membrane.
27.	Kit for the detection of Plasmodium antigens(pan) + <i>Plasmodium falciparum</i> antigen(Pf) in Human whole blood (Strip Format)	01, 05, 10, 25, 30, 50, & 100 Tests	Malaria Pan+Pf Ag test strip contains a membrane which is coated with monoclonal HRP-2/ anti pan specific antibodies on pan line, monoclonal anti Pf HRP-2 antibodies on Pf line and anti-rabbit antibodies on control line regions. A pad containing monoclonal anti HRP-2 conjugated to colloidal particles is placed between the sample pad & membrane.
28.	Kit for the detection of Follicle stimulating Hormone (FSH) in Human Urine (card/Cassette Format)	01, 05, 10, 25, 30, 50, & 100 Tests	Follicle Stimulating Hormone Rapid Card / Cassette contains a membrane strip, which is coated with mouse monoclonal anti-FSH capture antibody on the test band region & anti mouse immunoglobulin on control band region. A pad containing anti-FSH antibodies conjugated to colloidal gold particles is placed in between the sample pad.

29.	Kit for the detection of Follicle stimulating Hormone (FSH) in Human Urine (Strip Format)	01, 05, 10, 25, 30, 50, & 100 Tests	Follicle Stimulating Hormone Rapid test contains a membrane strip, which is coated with mouse monoclonal anti-FSH capture antibody on the test band region & anti mouse immunoglobulin on control band region. A pad containing anti-FSH antibodies conjugated to colloidal gold particles is placed in between the sample pad.
30.	Kit for the detection of Follicle stimulating Hormone (FSH) in Human Urine (Midstream Format)	01, 05, 10, 25, 30, 50, & 100 Tests	Follicle Stimulating Hormone Rapid Midstream test contains a membrane strip, which is coated with mouse monoclonal anti-FSH capture antibody on the test band region & anti mouse immunoglobulin on control band region. A pad containing anti-FSH antibodies conjugated to colloidal gold particles is placed in between the sample pad.
31.	Kit for the detection of Human Chorionic Gonadotropin (hCG) in Human Urine (Card / Cassette Format)	01, 05, 10, 25, 30, 50, & 100 Tests	hCG Rapid Card / Cassette contains a membrane strip, which is coated with mouse monoclonal anti-hCG capture antibody on the test band region & anti mouse immunoglobulin on control band region. A pad containing anti-hCG antibodies conjugated to colloidal gold particles is placed in between the sample pad.
32.	Kit for the detection of Human Chorionic Gonadotropin (hCG) in Human Urine (Strip Format)	01, 05, 10, 25, 30, 50, & 100 Tests	hCG Rapid Strip contains a membrane strip, which is coated with mouse monoclonal anti-hCG capture antibody on the test band region & anti mouse immunoglobulin on control band region. A pad containing anti-hCG antibodies conjugated to colloidal gold particles is placed in between the sample pad.
33.	Kit for the detection of Human Chorionic Gonadotropin (hCG) in Human Urine (Midstream Format)	01, 05, 10, 25, 30, 50, & 100 Tests	hCG Rapid Midstream contains a membrane strip, which is coated with mouse monoclonal anti-hCG capture antibody on the test band region & anti mouse immunoglobulin on control band region. A pad containing anti-hCG antibodies conjugated to colloidal gold particles is placed in between the sample pad.
34.	Blood Glucose Strip for Glucometer	30,50,100,300, 400 & 500 Test	Blood Glucose test Strip is active material for sugar test
35.	Kit for the detection of Plasmodium Antigens Pan in Human Blood/Serum/ Plasma. (Card / Cassette Format)	01, 05, 10, 25, 30, 50, & 100 Tests	Malaria Pan Ag card contains a membrane which is coated with pLDH/pan specific antibodies on pan line and anti-rabbit antibodies on control line regions. A pad containing anti pLDH conjugated to colloidal particles is placed between the sample pad and membrane.
36.	Kit for the detection of Plasmodium Antigens Pan in Human Blood/Serum/ Plasma. (Strip Format)	01, 05, 10, 25, 30, 50, & 100 Tests	Malaria Pan Ag strip contains a membrane which is coated with pLDH/pan specific antibodies on pan line and anti-rabbit antibodies on control line regions. A pad containing anti pLDH conjugated to colloidal particles is placed between the sample pad and membrane.
37.	Kit for the detection of Dengue NS1 antigen in Human Serum/ Plasma. (Card / Cassette Format)	01, 05, 10, 25, 30, 50, & 100 Tests	Dengue NS1 Ag card contains a membrane which is pre coated with antibodies to Anti Dengue NS1 antigen on test band region and anti-immunoglobulin on control line region. A pad containing Dengue antibodies conjugated to colloidal gold particles is placed between the sample pad and membrane.
38.	Kit for the detection of Dengue NS1 antigen in Human Serum/ Plasma. (Strip Format)	01, 05, 10, 25, 30, 50, & 100 Tests	Dengue NS1 Ag strip contains a membrane which is pre coated with antibodies to Anti Dengue NS1 antigen on test band region and anti-immunoglobulin on control line region. A pad containing Dengue antibodies conjugated to colloidal gold particles is placed between the sample pad and membrane.
39.	Kit for the differential detection of Dengue NS1	01, 05, 10, 25, 30, 50, & 100 Tests	Dengue NS1 Ag & IgG+IgM Ab card contains two cards Dengue NS1 Ag card contains a membrane which is pre coated

	antigen, IgG and IgM antibodies to Dengue virus in Human Whole Blood/Serum/ Plasma. (Card / Cassette Format)		with antibodies to Anti Dengue NS1 antigen on test band region and anti-immunoglobulin on control line region. A pad containing Dengue antibodies conjugated to colloidal gold particles is placed between the sample pad and membrane. Dengue IgG + IgM Card contain a membrane card which is coated with anti-Human IgG antibodies on the IgG test band regions, anti-Human IgM antibodies on the IgM test band region & anti mouse immunoglobulin on control band region. A pad containing Dengue antigen conjugated to colloidal gold particles is placed in between the sample pad.
40.	Kit for Detection of HIV-1 and HIV-2 antibodies in Human Blood/Serum/ Plasma (Card/Cassette Type)	01, 05, 10, 25, 30, 50, & 100 Tests	HIV-1 & HIV-2 Rapid Card/Cassette contains a membrane strip, which is coated with HIV-1 (gp41 & gp120) and HIV-2 (gp36) capture antigens on the test band regions and anti-mouse immunoglobulin on control band region. A pad containing HIV-1 and HIV-2 antigens conjugated to colloidal gold particles is placed between the sample pad and membrane.
41.	Kit for Detection of HCV antibodies in Human Blood/Serum/ Plasma (Card/Cassette Type)	01, 05, 10, 25, 30, 50, & 100 Tests	HCV Rapid Card/Cassette contains a membrane strip, which is coated with HCV (core, NS3, NS4 and NS5) antigens on the test band region and anti-mouse immunoglobulin on control band region. A pad containing anti HCV antigens conjugated to colloidal gold particles is placed between the sample pad and membrane.
42.	Kit for Detection of HBsAg antigen in Human Blood/Serum/ Plasma (Card/Cassette Type)	01, 05, 10, 25, 30, 50, & 100 Tests	HBsAg Rapid Card/Cassette contains a membrane strip, which is coated with mouse polyclonal HBsAg capture antibody on the test band region and anti-mouse immunoglobulin on control band region. A pad containing anti-HBsAg Monoclonal antibodies conjugated to colloidal gold particles is placed between the sample pad and membrane.

B. Biochemistry Reagents

PRODUCT LIST for APPLICATION Form 24 A

Sr No.	PRODUCT	PRODUCT CONTENTS	REMARKS
1	ALKALINE PHOSPHATASE (S.L) KIT	<ul style="list-style-type: none"> Reagent R1: Reagent solution containing Diethanolamine buffer (pH10.2) and Magnesium Chloride Reagent R2: Reagent solution containing p-Nitrophenyl Phosphate 	For <i>In Vitro</i> Diagnostic Use only For Domestic Sale Only
2	GAMMA GT (SL) KIT	<ul style="list-style-type: none"> Reagent R1: Reagent solution containing Tris Buffer (pH 8.25) and Glycylglycine Reagent R2: Reagent solution containing GLUPA-C 	''
3	CHOLINESTERASE (SL) KIT	<ul style="list-style-type: none"> Cholinesterase R1: Pyrophosphate Buffer (pH 7.6), Hexa cynoferrate (3). Cholinesterase R2: Butyrylthiocholine 	''
4	BILIRUBIN TOTAL (TAB) KIT	<ul style="list-style-type: none"> Total Bilirubin Reagent: Sulphanilic Acid, Trimethyl ammonium bromide (TAB), Preservatives and stabilizers. Total Bilirubin activator 	''
5	HDL-CHOLESTEROL KIT	<ul style="list-style-type: none"> Reagent R1: Reagent Solution containing phosphotungstate, Magnesium Chloride and preservatives. HDL-Cholesterol Standard Solution 	''
6	INORGANIC PHOSPHOROUS KIT	<ul style="list-style-type: none"> Reagent R1: Reagent Solution containing Sulfuric Acid and Ammonium Molybdate. Reagent R2: Phosphorus Standard 	''
7	MAGNESIUM KIT	<ul style="list-style-type: none"> Magnesium Reagent: Reagent solution containing Xylidine Blue, Ethanolamine (pH-11.0) and GEDTA. Magnesium Standard solution 	''
8	DIAGNOSTICS KIT FOR COPPER	<ul style="list-style-type: none"> Copper Reagent 1: Reagent solution containing Acetate Buffer (pH 4.9) Copper Reagent 2: Reagent solution containing 3,5-DiBr-PAESA, Preservatives. Copper standard solution 	''
9	DIAGNOSTICS KIT FOR ZINC	<ul style="list-style-type: none"> Zinc Reagent 1: Reagent solution containing Borate Buffer (pH 8.2), Salicylaldehyde and Dimethylglyoxime. Zinc Reagent 2: Reagent solution containing NITRO-PAPS and preservatives. Zinc Standard Reagent 	''
10	ALBUMIN KIT	<ul style="list-style-type: none"> Albumin Reagent: Reagent solution containing Bromocresol green and Succinate buffer (pH-4.2). Albumin Standard solution 	''
11.	TOTAL PROTEIN KIT	<ul style="list-style-type: none"> Total Protein Reagent: Reagent solution containing Copper sulphate, Sodium hydroxide, Potassium Sodium Tartarate and Potassium iodide. Total Protein Standard solution. 	''

12.	CALCIUM KIT	<ul style="list-style-type: none"> • Calcium Dye Reagent (R2): Reagent Solution containing Diethanolamine • Calcium Base Reagent (R1): Reagent solution Containing O-Cresolphthalein complex and 8-Hydroxyquinoline. • Calcium Standard Solution 	''
13.	CALCIUM (ARSENAZO) KIT	<ul style="list-style-type: none"> • Reagent R1: Reagent solution containing MES(pH 6.5), Arsenazo III • Reagent R2: Calcium standard 	''
14.	CHLORIDE KIT	<ul style="list-style-type: none"> • Chloride Reagent: Reagent solution containing Mercuric (II) thiocyanate, Ferric nitrate, Nitric acid. • Chloride Standard Solution. 	''
15.	CREATININE KIT	<ul style="list-style-type: none"> • Creatinine Base reagent (R1): Reagent solution containing Sodium Hydroxide and Sodium Phosphate. • Creatinine Dye reagent (R2): Reagent solution containing Picric Acid and Surfactant. • Creatinine Standard. 	''
16.	HEMOGLOBIN KIT	<ul style="list-style-type: none"> • Haemoglobin Reagent: Reagent solution containing Potassium Phosphate, Potassium Ferricyanide, Potassium Cyanide, and Sodium Chloride. • Haemoglobin Standard: Reagent solution containing Cyanmethaemoglobin standard con. 	''
17.	TOTAL IRON BINDING CAPACITY (TIBC) Kit	<ul style="list-style-type: none"> • TIBC Reagent A: Iron Saturating solution (Ammonium iron) • TIBC Reagent B: Magnesium carbonate (Powder) 	''
18.	ALPHA AMYLASE (AMYLASE) (SL) KIT	<ul style="list-style-type: none"> • Alpha Amylase (SL) R1: MES Buffer (pH 6.0), CNPG3, Calcium Chloride, Sodium Chloride and Activator. 	''
19.	BILIRUBIN TOTAL KIT	<ul style="list-style-type: none"> • Total Bilirubin Reagent: Reagent Solution containing Sulfanilic acid, DMSO, HCl, Preservatives and stabilizers. • Total Bilirubin activator containing sodium nitrite. • Total Bilirubin standard 	''
20.	BILIRUBIN DIRECT KIT	<ul style="list-style-type: none"> • Direct Bilirubin Reagent: Reagent Solution containing Sulfanilic acid, HCl • Direct Bilirubin activator containing sodium nitrite. • Direct Bilirubin standard 	''
21.	BILIRUBIN TOTAL & DIRECT KIT-COMBINATION KIT	<ul style="list-style-type: none"> • Same as serial no 19 & 20 	''
22.	MICROPROTEIN	<ul style="list-style-type: none"> • Microprotein Reagent: Succinate Buffer (pH 2.5), Sodium dodecylsulphate, Sodium molybdate, Pyrogallol-Red. • Microprotein Standard: Stabilized Protein solution. 	''
23.	IRON	<ul style="list-style-type: none"> • Iron Reagent: Reagent solution containing Acetate Buffer (pH 4.7), CTMA Bromide and Cromazurol-B. • Iron Standard solution. 	''
24.	ENZYMATIC CREATININE	<ul style="list-style-type: none"> • Enzymatic Creatinine R1: Creatinase, Sacrosine Oxidase, TOOS (N-ethyl-N-(2-hydroxy-3-sulfopropyl)-m-toluidine). • Enzymatic Creatinine R2: Creatininase, Peroxidase, 4-aminoantipyrine (4-AA). 	

PRODUCT LIST for APPLICATION Form 27 A

Sr No.	PRODUCT	PRODUCT CONTENTS	REMARKS
1	CHOLESTEROL (SL) KIT	<ul style="list-style-type: none"> • CHOLESTEROL reagent: Enzyme solution containing Pipes Buffer, Phenol, Sodium Cholate, 4-Aminoantipyrine, Cholesterol esterase, Cholesterol oxidase and Cholesterol peroxidase. • CHOLESTEROL standard solution 	<p>For <i>In Vitro</i> Diagnostic Use only</p> <p>For Domestic Sale Only</p>
2	CK – MB (SL) (CREATINE KINASE-MB KIT (SL))	<ul style="list-style-type: none"> • CK-MB (S.L) R1: Imidazole (pH 6.7), D-Glucose, N-Acetyl-L-Cysteine, Magnesium Acetate, NADP, EDTA, and Hexokinase. • CK-MB (S.L) R2: Creatine Phosphate, Adenosine diphosphate (ADP), Adenosine monophosphate (AMP), Di-adenosine-5-pentaphosphate and Glucose-6-phosphate dehydrogenase (G-6-PDH). 	”
3	GLUCOSE (SL) KIT	<ul style="list-style-type: none"> • GLUCOSE (S.L) R1: Tris Buffer (pH 7.4), Phenol, Glucose Oxidase, 4-Aminophenazone. • GLUCOSE Standard. 	”
4	LDH - P (SL) KIT	<ul style="list-style-type: none"> • LDH-P (S.L) R1: Tris Buffer (pH 7.4), Pyruvate, Sodium chloride. • LDH-P (S.L) R2: NADH 	”
5	SGOT (SL) KIT	<ul style="list-style-type: none"> • SGOT (SL) R1: Tris Buffer (pH 7.8), L-Aspartate, LDH, and MDH. • SGOT (SL) R2: α-Ketoglutarate and NADH. 	”
6	SGPT (SL) KIT	<ul style="list-style-type: none"> • SGPT (SL) R1: Tris Buffer (pH 7.5), L-Alanine, LDH. • SGPT (SL) R2: alpha-Ketoglutarate LDH 900 units/L and NADH 0.2 mmol/L. 	”
7	TRIGLYCERIDES (SL) KIT	<ul style="list-style-type: none"> • TRIGLYCERIDES Reagent: Pipes-buffer (pH-7.00), TOPS, Potassium ferrocyanate, Magnesium Salt, 4-Aminoantipyrine, ATP, Lipoprotein, Lipase, Glycerol kinase, Glycerol-3-phosphate oxidase, peroxidase. • TRIGLYCERIDES Standard 	”
8	UREA-UV (SL) KIT	<ul style="list-style-type: none"> • UREA U.V (S.L) R1: Tris Buffer (pH 7.60), ADP, α-Ketoglutarate, Urease, GLDH. • UREA U.V (S.L) R2: NADH, 2-Oxoglutarate. • UREA U.V (S.L) standard. 	”
9	HDL - CHOLESTEROL DIRECT	<ul style="list-style-type: none"> • HDL-C DIRECT R1: N-ethyl-N-(3-methylphenyl) -N'succinyl ethylenediamine (EMSE) • HDL-C DIRECT R2: Cholesterol Oxidase, 4-Aminoantipyrin (4-AA) • HDL-C DIRECT Calibrator. 	”

Sr No.	PRODUCT	PRODUCT CONTENTS	REMARKS
10	LDL - CHOLESTEROL DIRECT	<ul style="list-style-type: none"> • LDL-C DIRECT R1: Good's Buffer (pH-6.3), HSDA. • LDL-C DIRECT R2: Cholesterol esterase, Cholesterol oxidase, 4- Aminoantipyrin, Good's Buffer (pH-6.3) • LDL-C DIRECT. 	''
11	URIC ACID (SL) KIT	<ul style="list-style-type: none"> • URIC ACID Reagent: Phosphate Buffer (pH 7.0), TOPS, Amino-4-antipyrine, Uricase, Peroxidase, preservatives and stabilizers. • URIC ACID Standard. 	''
12	LIPASE (SL) KIT	<ul style="list-style-type: none"> • LIPASE (S.L) R1: Goods Buffer (pH 8.0), Taurodeoxycholate, Deoxycholate, Calcium chloride and Colipase. • LIPASE (S.L) R2: Tartrate Buffer (pH 4.0), Taurodeoxycholate and Colour substrate. • LIPASE Calibrator. 	
13	CK - NAC (SL) KIT	<ul style="list-style-type: none"> • CK-NAC (S.L) R1: Immidazole buffer, D-Glucose, N-Acetyl-L-Cysteine, Magnesium acetate, NADP, EDTA, and Hexokinase. • CK-NAC (S.L) R2: Creatine Phosphate. 	

C. ELISA Kits (pack size :96 tests)

Sr. No.	Product Name	Composition
1.	Generic Name : HIV Gen 4 Brand Name : Makesure™	1. HIV Ag. & Ab. Coated Microplate: 1. One plate of microwells coated with HIV antigens and HIV antibody. 2. Sample Diluent: 1. Bottle of buffered solution containing proteins, stabilizers, preservatives and detergent. 3. Negative Control : 1. Normal human serum with preservative, tested negative for HIV-1+2, HBV, HCV and syphilis. 4. HIV Ag. Positive Control : 1. Inactivated positive human serum with HIV p24 antigen with buffer, preservative, tested negative for HBV, HCV and syphilis. 5. HIV Ab. Positive Control : 1. Inactivated positive human serum with buffer, preservative, tested negative for HBV, HCV and syphilis. 6. Washing Solution (20X): 1. Phosphate Buffer saline with detergent. 7. Biotinylated anti-HIV p24 Conjugate : 1. Anti-HIV p24 conjugated with Biotin in Buffer, protein stabilizer and preservative. 8. Conjugate (51X): 1. HIV antigens and Streptavidin conjugated with HRP with protein stabilizers and preservatives. 9. Conjugate Diluent : 1. Buffer containing bovine proteins, preservatives and detergent. 10. Substrate Solution : 1. TMB with hydrogen peroxide and stabilizers. 11. Stop Solution : 1. Diluted mineral acid.

Sr. No.	Product Name	Composition
2.	Generic Name : HBsAg Brand Name : Makesure™	1. HBsAg Ab. Coated Microplate: 1. One plate of microwells coated with monoclonal anti-HBsAg. 2. Negative Control : 1. Normal human serum with preservative, tested negative for HIV-1+2, HBV, HCV and syphilis. 3. Positive Control : 1. Inactivated HBsAg positive human serum with buffer, preservative, tested negative for HCV, HIV and syphilis. 4. Washing Solution (20X): 1. Phosphate Buffer saline with detergent. 5. Conjugate (51X): 1. Anti-HBsAg conjugated with HRP with protein stabilizers and preservatives. 6. Conjugate Diluent: 1. Buffer containing bovine proteins, preservatives and detergent. 7. Substrate Solution: 1. TMB with hydrogen peroxide and stabilizers. 8. Stop Solution: 1. Diluted mineral acid.

Sr. No.	Product Name	Composition
3.	Generic Name : HCV Brand Name : Makesure™	1. HCV Ag. Coated Microplate : 1. One plate of microwells coated with HCV antigens. 2. Sample Diluent : 1. Bottle of buffered solution containing proteins, stabilizers, preservatives, detergent and indicator dye for sample addition. 3. Negative Control : 1. Normal human serum with preservative, tested negative for HIV-1+2, HBV, HCV and syphilis. 4. Positive Control : 1. Inactivated anti-HCV positive human serum with buffer, preservative, tested negative for HBV, HIV and syphilis. 5. Washing Solution (20X): 1. Phosphate Buffer saline with detergent. 6. Conjugate (51X): 1. Anti-human IgG conjugated with HRP with protein stabilizers and preservatives. 7. Conjugate Diluent : 1. Buffer containing bovine proteins, preservatives and detergent. 8. Substrate Solution : 1. TMB with hydrogen peroxide and stabilizers. 9. Stop Solution : 1. Diluted mineral acid.

Sr. No.	Product Name	Composition
4.	Generic Name: T3 ELISA Brand Name: Makesure™	R1. Calibrators set (A-F): 1. Buffer containing Purified T3 antigen and preservative. R2. Conjugate (11X): 1. T3 conjugated with horseradish peroxidase (HRP). R3. Conjugate Diluent : 1. Buffer containing Preservative and binding proteins inhibitors. R4. Coated Microplate : 1. Coated with mouse monoclonal Anti T3. R5. TMB (3,3',5,5' – Tetramethylbenzidine) Substrate : 1. TMB with hydrogen peroxide and stabilizers. R6. Stop Solution : 1. Diluted mineral acid. R7. Wash Concentrate (20X): 1. Phosphate Buffer saline with detergent.

Sr. No.	Product Name	Composition
5.	Generic Name: T4 ELISA Brand Name: Makesure™	R1. Calibrators set (A-F): 1. Buffer containing Purified T4 antigen and preservative. R2. Conjugate (11X): 1. T4 conjugated with horseradish peroxidase (HRP). R3. Conjugate Diluent : 1. Buffer containing Preservative and binding proteins inhibitors. R4. Coated Microplate : 1. Coated with mouse monoclonal Anti T4. R5. TMB (3,3',5,5' – Tetramethylbenzidine) Substrate : 1. TMB with hydrogen peroxide and stabilizers. R6. Stop Solution : 1. Diluted mineral acid. R7. Wash Concentrate (20X): 1. Phosphate Buffer saline with detergent.

Sr. No.	Product Name	Composition
6.	Generic Name: TSH ELISA Brand Name: Makesure™	R1. Calibrators set (A-F): 1. Buffer containing Purified TSH antigen and preservative. R2. Conjugate (Ready to use): 1. Mouse monoclonal anti TSH conjugated with horseradish peroxidase (HRP). R3. Coated Microplate : 1. Coated with mouse monoclonal Anti TSH. R4. TMB (3,3',5,5' – Tetramethylbenzidine) Substrate : 1. TMB with hydrogen peroxide and stabilizers. R5. Stop Solution : 1. Diluted mineral acid. R6. Wash Concentrate (20X): 1. Phosphate Buffer saline with detergent.