



**AGAPPE**  
YOUR BEST PARTNER IN DIAGNOSTICS

**CORPORATE  
BROCHURE**



## ABOUT US

Agappe Diagnostics Ltd. (ADL) was established in 1995 with a vision to serve mankind. This global perspective has always guided Agappe since its inception, helping it consolidate the position as the fastest-growing In-Vitro Diagnostics (IVD) company in the World.

Agappe's three-point success formula of Quality, Innovation and Affordability have earned it National and International recognition. As a leading Indian manufacturer with footprints in over 65 countries, Agappe firmly believes that it is the company's responsibility to cater to a global market with diagnostic products of international standards.

Innovation has been the main driver in Agappe's journey for the last 26 years. The company has always focused on development of new technology and products that have revolutionised the IVD sector. ADL has indigenously designed, developed and launched a whole range of clinical chemistry reagents and equipment to claim its rightful position as world pioneers. Agappe has broken new ground in developing molecular diagnostic tools. Agappe is the first Indian IVD company to get regulatory approvals

for COVID-19 test kit based on RT-LAMP technology rolled out by its R&D and manufacturing facilities. The RT Lamp technology is slowly gathering acceptance as one of the approved confirmatory Covid testing protocols.

Agappe is devoted to deliver the best diagnostics technology tools and products to remote and inaccessible areas in the world. The company has established a full-fledged R&D division capable of providing engineering and design solutions. Our state-of-the-art reagent and equipment manufacturing facility gives us the confidence to cater to over 35,000 laboratories in India and more than 65 countries without any disruption in the supply chain.

Agappe's 1000+ strong distributor-network and its significant presence in global OEM business is a testimony of its credentials as pioneers in the IVD industry. In 2005, Agappe has moved to the next phase of its growth with world-class manufacturing facility near Cochin, Kerala. Agappe's GMP certified and FDA compliant plant is fully equipped to meet the requirements of global and domestic markets. ■

# MESSAGE FROM MANAGING DIRECTOR

The word Agappe signifies Divine Love. Ever since its inception in 1995, Agappe Diagnostics Ltd. has been guided by this beacon. We strongly embrace the core values of Trust, Respect, Excellence and Care.

The core values have helped us scale great heights, transforming us into India's fastest growing company devoted to indigenous development of technology and products to achieve the lofty goals of "Healthcare for All".

I am indeed pleased to state that Agappe is right on the path of growth. We have new product portfolios and expansion plans, which, I am sure, will reinforce our global presence in over 65 countries, with over 35,000 esteemed customers. We are also proud of our pan-India presence that enables us to be participants in the nation's efforts to reach healthcare for all sections of the population.

There is immense scope for growth in the IVD segment in India and Agappe is placed second in terms of volume of business.

We have a strong presence in Clinical Chemistry, Immunochemistry, and Hematology. In coming days, we will devote our attention to Hematology, Pre-analytical segments and Molecular Diagnostics. In the pre-analytical segment, our objective is to address 70 per cent of

laboratory errors that occurs during collection and transfer of samples to the test table.

As always, our priorities are very much clear & distinct – to serve people living in remote and inaccessible areas with quality IVD solutions at affordable cost. We take pride in the unstinted support of our dedicated employees who have made it possible for Agappe to become a technology company. We gratefully acknowledge the staunch support of our esteemed business partners and honoured customers who have made us what we are today. I promise you that we all will grow together based on a win-win business philosophy.

Over the years, Agappe has won several awards. In 2018, we received the national award for "Indigenous Development of Technology and Commercialisation," instituted by the Department of Science and Technology, from the President of India, Shri. Ramnath Kovind. I consider it the highest recognition for all the work we have done over these years. It is a gift to the entire Agappe family that includes business partners and customers.

True to its core values, Agappe conveys the message of love, care and warmth, be its customers, employees or the public at large. We indeed, value your trust and confidence in Agappe. ■

“

Innovation, Quality  
& Affordability are  
the success mantra of  
AGAPPE.

”

**Thomas John**  
Managing Director



# AGAPPE CORE VALUES



“We strive to earn the confidence of our customers through our quality products and services which will lead to customer loyalty and referral. We trust each other in the company by displaying highest levels of integrity in our dealings and working together as a cohesive team”.



“We respect our customers, employees, our business partners, society and all other stake holders. We show consideration for one another. We respect each other’s differences. We treat everyone with dignity”.



“We excel in everything that we do through innovation, creativity and superior product differentiation that sets us apart from the competition and drive our growth”.



“We care for our people – our customers by offering quality products which meet their needs; our staff by promoting a culture of openness and providing opportunities to grow in a friendly atmosphere; our society by being a responsible corporate citizen”.





## OUR MISSION

To expand and continuously improve our products and services with a world class R&D program and to provide the best work environment for our employees to meet and exceed their true potential and to thrive in a world of excellence.

## OUR VISION

To establish globally as a premier In-Vitro Diagnostic corporation and to be the best partner in the diagnostic field for the welfare of mankind.

## OUR BELIEF

We believe in providing high quality diagnostic solutions to our believers, through highest level of customer connect by ensuring innovative and affordable products for an everlasting relationship.



## QUALITY POLICY

“

We are committed to be the best partner in diagnostics in IVD field by providing innovative and highest quality products and services for customer satisfaction.

”



# CORPORATE HISTORY

1995-2000

## Started journey with “Divine Love” in mind

- Started manufacturing basic clinical chemistry reagents
- Launched the equipment division “MISPA”
- Launched first Semi auto Analyzer “Mispa Plus”

2001-2005

## Building our Presence

- Introduced first 3 part hematology analyzer
- Opened the new reagent manufacturing plant in Kochi
- Marketing tie up with Tokyo Boeki, Japan

2006-2010

## Expanding our Horizons

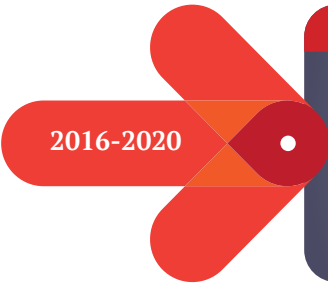
- Started Export business
- Set up JV in Switzerland (In 2011 converted to wholly owned subsidiary)
- Technology tie up with SEAC, Italy
- Technology tie up with Denka, Kyowa, Toshiba (now Canon) from Japan



2011-2015

### Beginning of the “Intelligent Breed” Series

- Launched first semi-automated nephelometer : Mispa -i
- Started manufacturing specific protein reagents through own R&D
- Launched second generation specific protein analyzer - Mispa i2 ( Patented)
- Opened exclusive equipment manufacturing facility in Kochi
- Inaugurated one of the largest IVD reagent manufacturing plant in Kochi
- Tie up with L&T Technologies for hematology analyzer



2016-2020

### Widening the Product Portfolio

- Introduced cartridge based specific protein system -Mispa i3
- Technology licencing agreement with Hitachi Chemicals,Japan
- Technology licencing agreement with Toyobo, Japan
- Licencing agreement with SCTIMST, Trivandrum
- Launch of pre analytical division



2020-Till Date

### Year of Challenges

- First indigenous 3 part hematology system launched.
- Launched the Molecular Diagnostics Division
- Launched RT - LAMP based Molecular testing platform Mispa LUME
- Launched RT - LAMP based COVID-19 assay & LUMESCREEN -nCOV

# STATE-OF-THE-ART REAGENT MANUFACTURING FACILITY

Agappe's infrastructure for manufacture of reagents is one of the best in the IVD sector. The world class, state-of-the-art facility underlines the emphasis that Agappe places on the quality of products. The acceptance of Agappe's products begins with its quality in product processes from 14 dedicated air handling units and intricate gadgets like dynamic pass boxes.

These are provided to maintain clean rooms for zero contamination. The facility is in a classified area of ISO Class '7' to '5' & (Class 100000 to Class 100), with multiple laminar air flow equipment to fill critical reagents.

Automated systems of washing, mixing, filtration and filling processes are employed to eliminate human intervention in reagent formulations throughout the cycle. For bulk manufacturing, 100 to 10000-litre

capacity stainless steel vessels provide efficient use and flexibility. Apart from employing automatic online labelling facility and unique cartridge filling and sealing systems, 100 per cent online supervision is insisted for better quality assurance.

The current capacity utilisation is at 60 per cent of the total capacity of 120,000 kits/month in single shift, with the ability to enhance production capacity by 3 times through augmentation of shifts and parameters. The reagents are packed in 500 plus multiple pack sizes.

Our reagent portfolio includes Biochemistry, Immunoturbidimetry, Serology, Coagulation, Hematology, Molecular Biology, Rapid Diagnosis, Urinalysis and System Reagents for closed systems. Agappe is the only company in India having the technical know-how to produce immunoturbidimetry and nephelometry reagents. ■





PRODUCTION STATUS BOARD

- EQUIPMENT ID
- DATE
- LOT NO
- PRODUCT NAME
- QUANTITY
- OPERATOR

# STATE-OF-THE-ART EQUIPMENT MANUFACTURING FACILITY

Agappe has a dedicated equipment manufacturing unit with a monthly capacity of manufacturing 1250 instruments per shift. Agappe is now being counted as one of the fastest growing and reliable equipment manufacturer & distributor in India for Semi Automated Clinical Chemistry Analyzer, Blood Cell Counter and Fully Automated Clinical Chemistry Analyzer. The company markets other equipment of a smaller range under the brand name, “MISPA”, which includes Electrolyte Analyzer, Coagulation Analyzer and Urine Analyzer.

Mispa-i2, ADL's patented semi-automatic nephelometry equipment, currently has an installation imprint of 8500\* machines spread across various countries in Asia, Africa and Middle East. Agappe has also introduced Mispa-i3, the fully automated cartridge based specific protein analyzer, extending over 2000\* installations across the world since its launch.

Agappe is the privileged winner of the 2018 National Award from The President of India, Shri. Ramnath Kovind, for “Indigenous Development of Technology and Commercialization”. The prestigious award was for Mispa-i3, which has since become a flagship product. A fully automatic nephelometry analyzer, Mispa-i4, is getting ready with licence agreement from Hitachi Chemicals, Japan.

India's first indigenously built Hematology analyzer, developed in association with L&T, called Mispa Count-X is now available in the Indian global market. The pre-analytical equipment, Mispa Label, the automatic tube labelling machine, is already in the market, providing solutions to our customers to avoid labelling errors in workstations at very affordable costs.

In addition, Mispa iCheQ, the IR thermometer, too is in the market at a very economical cost. Agappe takes pride in the development and launch of new machines like Mispa View, the vein viewer, through technology transfer from Sree Chitra Thirunal Institute of Medical Sciences and Technology (SCTIMST), Thiruvananthapuram, an institute of national importance under DBT, Govt of India. Many other technology transfers are on cards with similar institutes in India.

The equipment manufacturing facility is standardised with a strong Product Engineering Department (PED), Internal Quality Control (IQC) & stringent Quality Control (QC) procedures, keeping in line with global standards to ensure high quality and precision. ■

\*Figures as on March 2021





# QUALITY POLICY

Quality is not an act, but a habit. It is always the result of intelligent perception, higher intention, sincere effort and skilful execution. It represents the wise choice of many alternatives among men, machines and processes. At Agappe, a sense of Quality has been unequivocally instilled in every aspect of manufacturing activity without any exception.

Stringent Quality control is Agappe's prodigious strength and unquestionable virtue. All the critical parameters, from raw materials to finished products, are pre-checked by our Quality Control team before passing quarantine clearance. The company's strong online of Quality Assurance (QA) system is remarkable as it supervises each and every operation in the assembly line.

Each batch of reagents and every individual machine is subjected to evaluation with live samples prior to release. The QA team has online checking facility for cold chain status of our CFAs across the country. This attests to ADL's QC policy with its stringent process controls. We do follow strict process controls, standards and principles. We assiduously follow

PDCA Cycle (Plan, Do, Check, Act) for quality control purposes and for every non-conformity, CAPA is arrived at with definite timelines, and this is subject to regular discussions at senior management meetings. We follow strict maintenance schedules, GMP-QMS principles, regular internal audits and other processes envisaged in ISO 9001, ISO 13485, ICMED 13485. UL is our ISO inspection partner.

All processes are subjected to intense audit by the Big 4 round the year since ADL is committed to cent per cent compliance with all regulations and ethical practices across the entire operations. Similarly, Agappe ensures failure mode and effect analysis at every stage of business activity. Improvement in processes is a conscious activity that is meticulously followed to reflect the company's emphasis on quality environment throughout its business transactions.

The company maintains clean rooms with grades ISO 8,7, 5 etc for production processes. Of course, one can very well perceive that Quality is more than a habit at Agappe. Yes, It is our very lifeline! ■



# CERTIFICATIONS & QUALITY STANDARDS



ISO 13485 : 2016



ISO 9001 : 2015

ICMED

ICMED : 13485



# R&D-INNOVATION, RECOGNITIONS AND PATENTS

R&D is Agappe's sustenance. ADL firmly believes that innovation and manufacture of quality products at affordable costs can contribute to the Millennium Goal of healthcare for all. Keeping this in mind, Agappe's R & D Division aims at translating novel ideas into affordable and value-added products.

The emphasis has been on technology development, rather than product portfolio. Agappe has adopted this innovative approach to promote quality diagnostic solutions. This innovative attribute is seen throughout from the drawing board of R & D to the assembly floor. Agappe's diagnostics solutions are remarkable for their quality, affordability, and user friendliness.

The R & D Division is headed by Prof. Dr D.M Vasudevan, an eminent academician and research scholar. He is recipient of the prestigious Dr B. C. Roy Award of the Medical Council of India from the hands of the then Hon'ble President of India in 1992 for excellence in the medical teaching profession. He has authored the Textbook of Biochemistry for Medical Students, a prescribed textbook in medical colleges in the country. Published in 1995, the textbook went into its 9th edition in 2019. The book is currently circulated in 23 countries.

Agappe annually spends 6 per cent of its total revenue on R&D. with separate space dedicated to reagent and equipment research. The Product Engineering/Evaluation Department (PED) conducts exhaustive pre-production tests and processes before the product rolls out of the R&D Division.

Agappe's technology witnessed a big breakthrough with the development of Protein Estimation Analyzers called "Mispa i" series. The "i" denotes the "intelligent breed" signifying the company's innovative approach.

Agappe's reagent facility has been approved as a research centre by the Department of Scientific and Industrial Research of Government of India. The R&D division has commercialized very stable and sensitive reagents in Clinical Chemistry, Hematology, Coagulation, Specific Proteins, Rapid Diagnostics, Urine Strips & Molecular Biology. Agappe is looking forward to future technology innovations in Molecular Biology, Chemiluminescence, Flow cytometry, Immuno- fluorescence assays. Agappe has received 5 patents already, while another 11 patents are awaiting approvals.



# JOINT TECHNOLOGY AND TIE-UPS



*Hitachi* **Chemical**



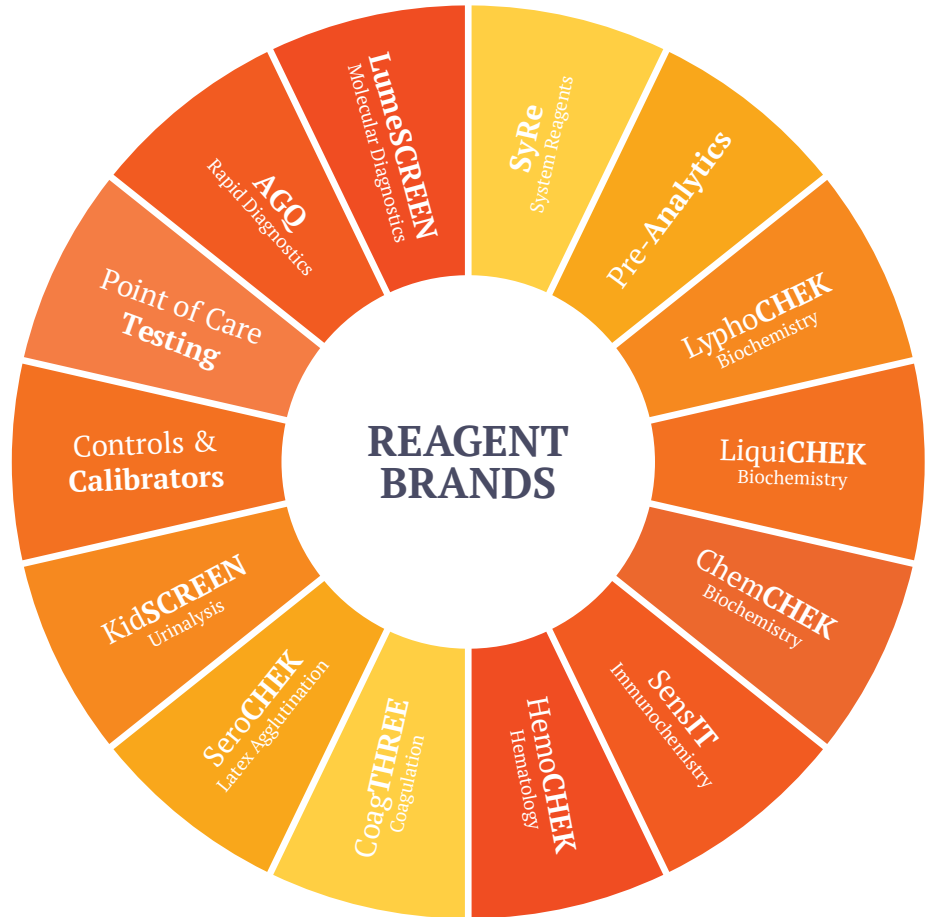




National Award 2018 for “Indigenous Development of Technology and Commercialisation” of Mispa i3

# REAGENT BRANDS & PRODUCT PORTFOLIO

ONE  
COMPANY...  
MULTIPLE  
SOLUTIONS...



CLINICAL CHEMISTRY  
IMMUNOCHEMISTRY  
COAGULATION  
RAPIDS  
CONTROLS &  
CALIBRATORS  
URINALYSIS  
HEMATOLOGY  
POINT OF CARE TESTING  
SEROLOGY<sup>ELECTROLYTE</sup>  
BLOOD GROUPING REAGENTS  
MOLECULAR

# REAGENTS

## Clinical Chemistry

PRODUCT NAME	METHOD, MODE, WL [nm]
ACID PHOSPHATASE	Alpha Naphthyl Phosphate, Kinetic, 405
ADENOSINE DEAMINASE	Enzymatic Method, Rate, 548/804
ALBUMIN	BCG, End Point, 600
ALKALINE PHOSPHATASE DGKC	DGKC, SCE, DEA Rate, 404
ALKALINE PHOSPHATASE IFCC	UV, Kinetic, 405
AMYLASE	CNPG3, Rate, 404
BILIRUBIN DIRECT	Diazo, End Point, 548/660
BILIRUBIN TOTAL-TAB	TAB, End Point, 548/660
BILIRUBIN DIRECT-ENZYMATIC	Enzymatic, End Point, 450/548
BILIRUBIN TOTAL-ENZYMATIC	Enzymatic, End Point, 450/548
CALCIUM (ARSENAZO)	Arsenazo-III, End Point, 660
CALCIUM (OCPC)	OCPC, End Point, 578
CHOLESTEROL	CHOD-PAP, End Point, 500/604
CHOLINESTERASE	DGKC, Rate, 404
CK-MB	Immunoinhibition, Rate, 340
CK-NAC	IFCC, Rate, 340
CREATININE	Jaffe's, Fixed time, 492
ENZYMATIC CREATININE	Enzymatic, End Point, 548/660
GAMMA GT	Szasz, Rate, 404

PRODUCT NAME	METHOD, MODE, WL [nm]
GLUCOSE HEXOKINASE	Hexokinase, End Point, 340
GLUCOSE	GOD-PAP, End Point, 500/604
HDL - C DIRECT	Selective Inhibition, End Point, 600 / 700
IRON	Ferrozine, End Point, 548/700
LDH - P	SCE, Rate, 340
LDL - C DIRECT	Selective Solubilization, End Point, 600/700
LIPASE	Methyl Resorufin Method, End Point, 572
MAGNESIUM	Xylidyl Blue, End Point, 548
MICROPROTEIN	Pyrogallol, End Point, 604
PHOSPHOROUS	Phospho-Molybdate-UV, End Point, 340
SGOT	IFCC, Rate, 340
SGPT	IFCC, Rate, 340
TIBC	Cromazurol, End Point, 650
TOTAL PROTEIN	Biuret, End Point, 548
TRIGLYCERIDES	GPO-TOPS, End Point, 548/660
UREA U.V	Urease GLDH, Rate, 340
URIC ACID	Uricase TOPS, End Point, 548/660
ZINC	Nitro PAPS, End Point, 572





# REAGENTS

## Immunochemistry

PRODUCT NAME	METHOD, MODE, WL [nm]
ASO	LEIT, End Point, 572/804
ALPHA 1 ACID GLYCO PROTEIN	Turbidimetric Immunoassay, End Point, 340
ALPHA 1 ANTITRYPSIN	Turbidimetric Immunoassay, End Point, 340
ALPHA 2 MACROGLOBULIN	Nephletometry, End Point, 572
Apo A1	Turbidimetric Immunoassay, End Point, 340
Apo B	Turbidimetric Immunoassay, End Point, 340
C3	Turbidimetric Immunoassay, End Point, 340
C4	Turbidimetric Immunoassay, End Point, 340
CERULOPLASMIN	Turbidimetric Immunoassay, End Point, 340
CRP	LEIT, End Point, 572/804
CRP ULTRA	LEIT, End Point, 572/804
CYSTATIN C	LEIT End Point, 548/804
D-DIMER	Nephletometry, End Point, 572
FERRITIN	LEIT, Rate, 572/804
HAPTOGLOBIN	Turbidimetric Immunoassay, End Point, 340
HbA1c DIRECT	LEIT, End Point, 660/804

PRODUCT NAME	METHOD, MODE, WL [nm]
H Pylori	Nephletometry, End Point, 572
IgA	Turbidimetric Immunoassay, End Point, 700
IgE	LEIT, Rate, 572/804
IgG	Turbidimetric Immunoassay, End Point, 340
IgM	Turbidimetric Immunoassay, End Point, 340/700
KAPPA LIGHT CHAIN	Nephletometry, End Point, 572
Lp(a)	LEIT, End Point, 700
LAMDA LIGHT CHAIN	Nephletometry, End Point, 572
MICROALBUMIN	Turbidimetric Immunoassay, End Point, 340
PREALBUMIN	Turbidimetric Immunoassay, End Point, 340/700
PROCALCITONIN	Nephletometry, End Point, 572
RF	LEIT, End Point, 660
TRANSFERRIN	Turbidimetric Immunoassay, End Point, 340
Vit-D	Nephletometry, End Point, 572



# REAGENTS

## Hematology

PRODUCT NAME	PURPOSE
BC-E-Z CLEANER	Enzymatic Cleaner (For BC3000 Plus 3PDA)
BC-LYSE	Lysing (For BC3000 Plus 3PDA)
Lyse BC2800	Lysing (For BC2800 3PDA)
BC-DILUENT	Dilute the Blood (For BC3000 Plus 3PDA)
BC-PROBE CLEANER	Cleaning Probe of Cell Counter (For BC3000 Plus 3PDA)
BC-RINSE	Aperture Cleaning & Wetting (For BC3000 Plus 3PDA)
Count C3	Aperture Cleaning & Wetting (For Mispa Count 3PDA)
Count D3	Dilute the Blood (For Mispa Count 3PDA)
Count L3	Lysing (For Mispa Count 3PDA)
Count P3	Probe Cleaner (For Mispa Count 3PDA)
Count Plus D5	Dilute the Blood (For Mispa Count Plus 5PDA)

PRODUCT NAME	PURPOSE
Count Plus C5	Aperture Cleaning & Wetting (For Mispa Count Plus 5PDA)
Count Plus L5	Lysing (For Mispa Count Plus 5PDA)
Count Plus P5	Probe Cleaner (For Mispa Count Plus 5PDA)
Diluent (DX3)	Dilute the Blood (For Mispa Count X 3PDA)
Lyse (LX3)	Lysing (For Mispa Count X 3PDA)
Cleaner (CX3)	Aperture Cleaning & Wetting (For Mispa Count X 3PDA)
Deproteinizer (SX3)	Deproteinizing (For Mispa Count X 3PDA)
Probe cleaner (PX3)	Probe Cleaner (For Mispa Count X 3PDA)
APTT	Estimation of APTT
Fibrinogen	Estimation of Fibrinogen
PT	Estimation of Prothrombin Time



# REAGENTS

## SEROLOGY, POC, RDT, URINALYSIS

PRODUCT NAME	METHOD
ASO	Latex Agglutination
CRP	Latex Agglutination
RF	Latex Agglutination
RPR	Flocculation
Salmonella Antigen Set	Agglutination
ANTI-ABD	Hemagglutination
Cardiac Troponin I Fast Test Kit	Immunofluorescence based - LFA
CK-MB/cTnI/Myo Fast Test Kit	Immunofluorescence based - LFA
NT-pro BNP Fast Test Kit	Immunofluorescence based - LFA
PCT Fast Test Kit	Immunofluorescence based - LFA
Dengue - NS1	Dengue Antigen Detection
Dengue - Combi	Dengue Antigen + Antibody Detection
MRP	Urine Strip - Glucose
Proidual	Urine Strip- Glucose, Protein
Ketodual	Urine Strip - Glucose, Ketone
Ecostik	Urine Strip - Glucose, Protein, Ketone
Ultrastik Plus	Urine Strip - 11 Parameters with Microalbumin

## MOLECULAR DIAGNOSTICS

PRODUCT NAME	METHOD
Agappe Chitra Magna	RNA Extraction Reagent
LumeScreen-nCoV	RT LAMP based COVID-19 Assay

## AUXILIARY REAGENTS

PRODUCT NAME	PURPOSE
BIANCH C	Cuvette Soaking Reagent for TBA 120FR/2000FR/25FR/40FR
BIANCH R	Bath Additive for TBA 120FR/2000FR/40FR
BIANCH 3	Acid Detergent-Washing of Accute Cuvettes for TBA 120FR/2000FR/25FR/40FR
BIANCH 14	Alkaline Detergent-Washing of Accute Cuvettes for TBA 120FR/2000FR/25FR/40FR
ION CALIPER	Electrolyte Analysis for TBA 120FR/2000FR/40FR
ION CHARGE	Electrolyte Analysis for TBA 120FR/2000FR/40FR
CALIBRATOR SERUM	Electrolyte Calibration for TBA 120FR/2000FR/40FR
CALIBRATOR URINE	Electrolyte Calibration for TBA 120FR/2000FR/40FR
ISE DETERGENT	Electrolyte Washing for TBA 120FR/2000FR/40FR
ELECTRODE CHIP	Electrolyte analysis for TBA 120FR/2000FR/40FR
BIOLIS 24i-ACID DETERGENT	Washing of Biolis 24i /TMS 30i Cuvettes
BIOLIS 24i-ALKALINE DETERGENT	Washing of Biolis 24i /TMS 30i Cuvettes
CELL WASH	Cleaning Flow Cell of Semi Auto Analyzer
MISPA NANO DETERGENT	Probe Cleaning Detergent for Mispa Nano
MISPA MINI DETERGENT	Probe Cleaning Detergent for Mispa Mini
MISPA NEO DETERGENT	Cleaning Flow Cell & Tubings
MISPA CLINIA DETERGENT	Probe Cleaning Detergent for Mispa Clinia
CLINIA PLUS WASH SOLUTION-3	Acid Washing Solution for Clinia Plus
CLINIA PLUS WASH SOLUTION-9	Alkali Washing Solution for Clinia Plus
CLINIA PLUS WASH SOLUTION-C1	Decontamination Detergent for Clinia Plus
ALKALINE WASHING SOLUTION	Alkaline Washing Solution for CX Series





# CONTROLS & CALIBRATORS

PRODUCT NAME	PURPOSE
Adenosine Deaminase - Calibrator	Adenosine Deaminase Calibration
Apo A1 & Apo B Calibrator	Apo A1 & Apo B Calibration
ASO Calibrator	ASO Calibration
CK-MB Calibrator	CK MB Calibration
CRP Calibrator	CRP Calibration
CRP Ultra Calibrator	CRP Ultra Calibration
Cystatin C Calibrator	Cystatin C Calibration
D Dimer Calibrator	D Dimer Calibration
Ferritin Calibrator	Ferritin Calibration
HbA1c Direct Multicalibrator	HbA1c - DIRECT Calibration
Hematology Calibrator	Calibration of Blood Cell Values (Mispa Count/Count Plus)
IgE Calibrator	IgE Calibration
Iron/TIBC - Calibrator	Iron/TIBC Calibration
Lp(a) Calibrator	LP(a) Calibration
Microalbumin Calibrator	Microalbumin Calibration
Microprotein - Calibrator	Microprotein Calibration
Multicalibrator	Biochemistry Products Calibration
Protein Calibrator	Calibration of Serum Specific Proteins
RF Calibrator	RF Calibration
Zinc - Calibrator	Zinc Calibration

PRODUCT NAME	PURPOSE
Adenosine Deaminase Control (Bi level)	Adenosine Deaminase Control
Coagulation Control (Bi level)	PT / APTT Control
D-Dimer Control(Bi level)	D-Dimer Control
HbA1c Control Level 1&2 (Bi level)	HbA1c Control
PCT Control (Bi level)	PCT Control
Lipid Control (Bi level)	Apo A1, Apo B, Lp(a), HDL-D, LDL-D, TGL & Cholesterol Control
Microalbumin Control (Bi level)	Microalbumin Control
Protein Control (Bi level)	Control for Serum Specific Proteins
Qualicheck Norm	Biochemistry Control
Qualicheck Norm & Path	Biochemistry Control
Qualicheck Path	Biochemistry Control
HAEMAT 5D Control (Count Plus)	Control for Cell Counter (Count Plus)
Haemat Calibrator SC-CALPLUS	Calibrator for Cell Counter (BC 3000 Plus)
H.Pylori Control (Bi-Level)	H.Pylori Control
Vitamin D Control (Bi-Level)	Vitamin D Control
Urine Strip Control	Control for Urine Analyzer
Hematology Control (Tri Level)	Control for Cell Counter (Mispa Count/BC 3000 Plus)
Cystatin - C Control (Bi level)	Control for Cystatin C





# CLINICAL CHEMISTRY

## MISPAVIVA

Semi-Automated Clinical Chemistry Analyzer

- ❖ System with 5.7" TFT LCD Colour Display with Pop-up Key Pad
- ❖ EMF (Energy Matched Filter)
- ❖ ERA Flow Cell with Copper Flow Cell Holder - Auto Temperature Maintenance
- ❖ ALD Function for Extended Life for the Lamp
- ❖ Incomparable Memory - 200 Programs, 5000 Patient Results, 18000 QC Result Memory



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# CLINICAL CHEMISTRY

## MISPA PLUS

Advanced Semi Automated Clinical Chemistry Analyzer

- ❖ Penta Lens Photometry System
- ❖ ERA Flow Cell with EMF Filter
- ❖ Ethernet, Bluetooth & GSM Connectivity for Online System Management
- ❖ Bubble Detector
- ❖ Auto Power Saver Mode
- ❖ Inbuilt Incubator
- ❖ One Hour Battery Backup
- ❖ Memory Of 5000 Patient Results



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# CLINICAL CHEMISTRY

## MISPA **cxL** PRO

Fully Automated Clinical Chemistry Analyzer

- ❖ Throughput of 180 Test/Hour
- ❖ HCFG Diffraction Photometer
- ❖ 4 Probe, 11 Step Auto Cuvette Wash
- ❖ Ceramic Piston Syringes
- ❖ Automatic Detergent Dilution
- ❖ Internal Barcoding



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# CLINICAL CHEMISTRY

## MISPA nano<sup>Plus</sup>

Fully Automated Clinical Chemistry Analyzer

- 
- ❖ Throughput of 360 Test/Hour
  - ❖ Diffraction Grating Photometer
  - ❖ Minimum Reaction Volume
  - ❖ Clot Detector
  - ❖ 4 Probe, 8 Step Auto Cuvette Wash
  - ❖ Reflex Function & Serum Index Analysis
- 



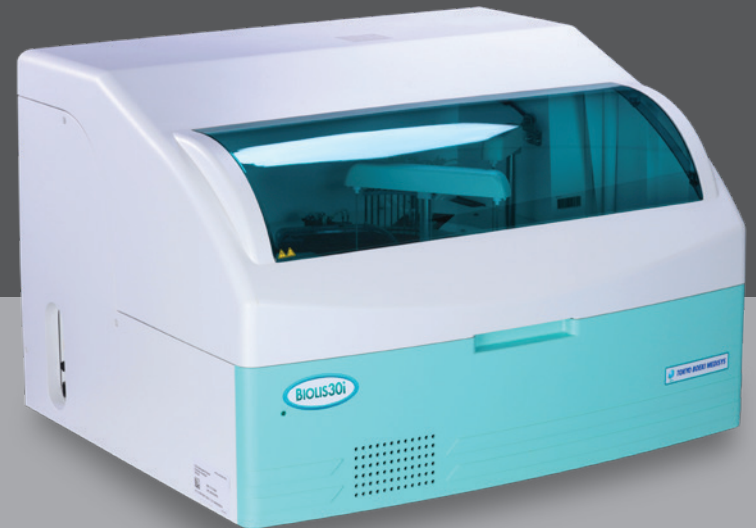
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# CLINICAL CHEMISTRY

## BIOLIS30i

Automated Clinical Chemistry Analyzer

- ❖ Air pressure mixing for sample and reagent
- ❖ Space-saving compact desktop design
- ❖ 3 probes system. R1, R2 and sample individually
- ❖ Optical measurement of 13 fixed wavelengths
- ❖ Low water consumption in the segment
- ❖ Pre heated water for washing probes and cuvette to enhance accuracy
- ❖ Inbuilt sample and reagent barcode reader



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# CLINICAL CHEMISTRY

## MISPA clinia<sup>Plus</sup>

Fully Automatic Clinical Chemistry Analyzer

- ❖ High Throughput of 400 Test/Hour
- ❖ Integrated Crash Prevention and Built in Clot Detector, Collision Detection and Auto-Washing
- ❖ Space-Saving Compact Floor Model Design with Space to Store Detergents in the Cabinet
- ❖ 3 Probes System. R1, R2 and Sample Individually
- ❖ Optical Measurement of 12 Fixed Wavelengths (340-800 nm)
- ❖ Diffraction Grating System
- ❖ Pyrex Permanent Hard Glass Reaction Cuvette



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# CLINICAL CHEMISTRY

## *TBA-120FR*

- 
- ❖ High Throughput of 1200 Test/Hour
  - ❖ Dual Reagent Compartment to Hold 56 each R1 and R2 Reagents
  - ❖ HbA1c Measurement Directly from the Whole Blood with on Board Haemolysing
  - ❖ Universal Dual Disk for Holding 100 Samples at a Time
  - ❖ Integrated Refrigerated Positions for Controls & Calibrators
- 



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# CLINICAL CHEMISTRY

## TBA-2000FR

- ❖ High Throughput of 2200 Test/Hour
- ❖ Dual Reagent Compartment to Hold 65 each R1 and R2 Reagents
- ❖ Flex Rate Function for Reducing the Retest Ratio
- ❖ Rack Loading to Hold 200 Samples
- ❖ Space Saving Design by Integrating Control Console with the Analyzer Module



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# IMMUNO- CHEMISTRY

## MISPA-*i*2

Specific Protein Analyzer

- ❖ Dual Channel System - Rate Based Nephelometry & Turbidimetry
- ❖ UCS (Unique Channel Shifting) Technology
- ❖ Smart Card Calibration (IC card) with Prozone Detection
- ❖ 500 Result Memory & Quality Control Memory with L-J Chart
- ❖ 30 Minute Battery Back Up



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# IMMUNO- CHEMISTRY

## MISPA-*i*3

Cartridge Based Specific Protein Analyzer

- 
- ❖ Dual Channel System with UCS Technology – Rate Based Nephelometry & Turbidimetry
  - ❖ Smart Card Calibration
  - ❖ Prefilled Cartridges with Reagents
  - ❖ Automatic Pre-Dilution of Samples
  - ❖ Memory with 1000 Patient Results, 3 QC Files for each Parameter for 30 Days
- 



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# IMMUNO- CHEMISTRY

## MISPA-*i*4

Fully Automated Specific Protein and Specialized Chemistry Analyzer

- ❖ Dual Channel System - Rate Based Nephelometry & Turbidometry
- ❖ UCS (Unique Channel Shifting) Technology
- ❖ Smart Card Calibration (IC card) with Prozone Detection
- ❖ 500 Result Memory & Quality Control Memory with L-J Chart
- ❖ 30 Minute Battery Back Up



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# IMMUNO- CHEMISTRY



- 
- ❖ Turbidimetric Principle for Specific Protein and Hemostasis Estimation
  - ❖ Thermostatically Controlled Incubation & Reading Channels
  - ❖ Smart Card Calibration
  - ❖ Incorporate a Visible & Near Infrared Filter
  - ❖ 25 Parameters Assay Panel
- 



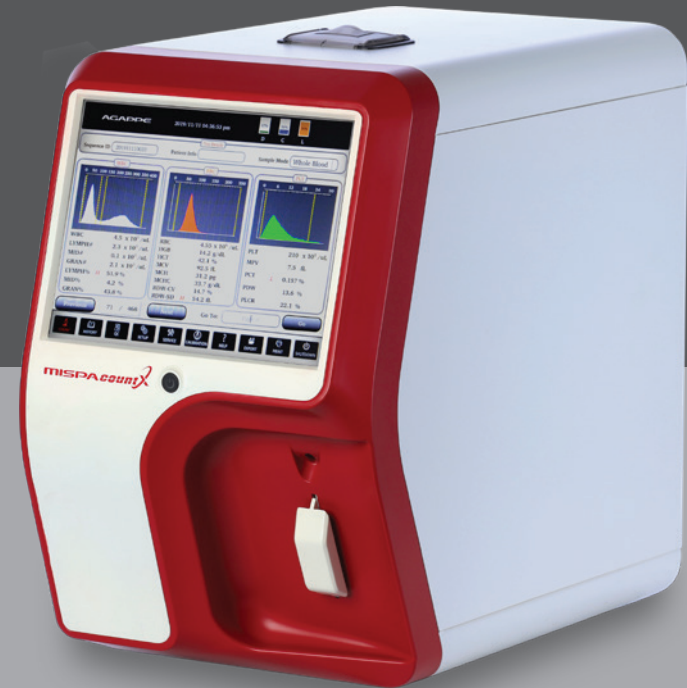
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# HEMATOLOGY

**MISPAcount**

3 Part Differential Hematology Analyzer

- ❖ Throughput: 60 Samples per Hour
- ❖ Screen Size: 10.4 Inches
- ❖ Interface: Touchscreen
- ❖ Data Storage: 35,000 Results
- ❖ Number of Parameters: 20 Parameters + 3 Histograms
- ❖ Sample Volume: 13uL
- ❖ Number of Reagents: 3-Diluent, Lyse and Cleaner



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# HEMATOLOGY

## MISPAcount<sup>Plus</sup>

5 Part Hematology Analyzer

- ❖ 28 Parameters
- ❖ Triple Counting Technology for Accurate Results
- ❖ Flow Cytometry with LED Based Technology
- ❖ Quadra PTFE Syringe with No Stick and Slip Effect
- ❖ Positive Sample Identification using Barcode Reader
- ❖ Touch Screen Display for Easy Operation



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# COAGULATION

## MISPA CLOG

Coagulation Analyzer (Hemostasis)

- ❖ Turbidensitometric Measuring Principle
- ❖ Auto Cuvette Detection, Sample Incubation Beeper & Auto Start Function
- ❖ ISI Values are Editable
- ❖ Option for Single & Duplicate Measurement with Minimum Reagent Volume of 150 $\mu$ L
- ❖ 9 Point Calibration and 7 Pre-Programmed Test Positions



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# PRE-ANALYTICS

## MISPAVIEW

Smart Vein Detecting System

- ❖ Non-Ionizing Infra-Red Light Source
- ❖ Three Different Colour Modes Suitable for all Sorts of Skin Variations
- ❖ 6X Optical Zoom Facility for Optimal Visibility
- ❖ No Patient Contact or Radiation Issues
- ❖ No Pain Suffering Hitches
- ❖ Reduced Patient Anxiety and Stress



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# PRE-ANALYTICS

## MISPA Label

A Pre-Analytical Solution

- ❖ Automated Tube Labelling Instrument
- ❖ 7" TFT Touch Screen Display
- ❖ Throughput 450 Tubes/Hour
- ❖ 6 Tube Racks with 120 Tubes Capacity with Customized Positioning
- ❖ Thermal Printer with Primary Mode, Standby Mode & STAT Mode
- ❖ Customizable Category Mapping for Tubes
- ❖ HIS/LIS Connectivity with Ethernet, WiFi Interface



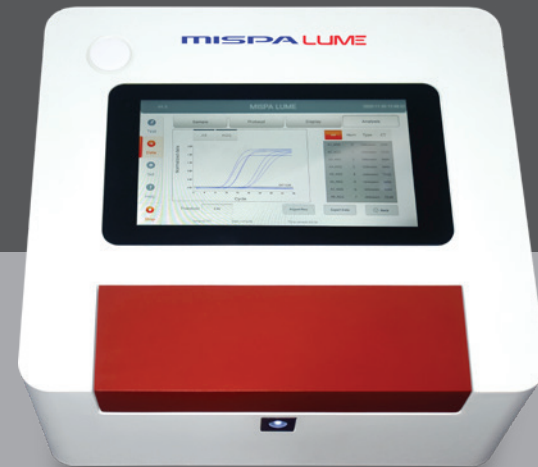
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# MOLECULAR DIAGNOSTICS

## MISPA LUME

Real Time RT-LAMP Analyzer for Confirmatory COVID Test

- ❖ One Tube & Multiple Target Genes
- ❖ Results within Minutes After Extraction
- ❖ 6 Primers Per Target for 100% Specificity
- ❖ Real Time Lamp Assay with 98.7% Sensitivity
- ❖ 2°C - 8°C Storage/Transportation of Kits
- ❖ Performs 16 Tests Simultaneously



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# MOLECULAR DIAGNOSTICS

MISPA  
**magenta**

- 
- ❖ Magnetic Separation Method Helps Maintain Intact Longer Fragments of the Viral RNA
  - ❖ Magnetic Separation can also be used in Batch Processes with a Multitude of Samples
  - ❖ Relatively Easy to Execute in High-Throughput Automated RNA Isolation Applications
  - ❖ Mispa Magenta is able to Purify up to 32 Samples Simultaneously
  - ❖ Faster Time to Result in Amplification Step
  - ❖ All Samples Replaced in Individual Channels to Avoid Contamination
- 



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# POCT

## MISPA REVO

Immunofluorescence Procalcitonin Analyzer

- ❖ Quantitative Immunofluorescence Analyzer
- ❖ Highly Stable Test Cards and Secure Digital High Capacity (SDHC) Calibration System
- ❖ STAT Complying to NACB Laboratory Guidelines
- ❖ Result in just 10-15 Minutes, can be Taken to Patient Bed Side
- ❖ Sample Type - Serum, Plasma & Whole Blood



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# URINALYSIS

## MISPA URISKAN-100<sup>Plus</sup>

Automated Urine Analyzer

- 
- ❖ Principle–Reflectance Photometry using Cold Light Source
  - ❖ 11 Assay Parameters with Microalbumin
  - ❖ Large Capacity of 1000 Patient Memory
  - ❖ Throughput is 120 Strips/Hour
- 



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## CUSTOMER SUPPORT

**Toll Free Numbers:**  
1800 891 7251  
1800 270 7151  
1800 425 7151

Complaints are the best opportunity to know your customer. Agappe's Customer Technical Support Department (CTS) provides a new customer experience by promptly attending to complaints. ADL's varied product lines demand technical skills in the operation of equipment and proper storage in ambient temperatures for reagents.

For Agappe, CTS is an opportunity to not only rectify mechanical failures, but to increase customer trust and sustain loyal clients. Above all, it is a great source of learning too. ADL's product or price benefit can be copied by competitors, but not possible its strong service culture. The concept of First Time Right (FTR), according to which each complaint should be rectified in its first attempt, is meticulously followed. Agappe's new concept of Customer Experience, or Customer-X as it is now referred to, in each of the service points has helped us to maintain longstanding and firm relation with our loyal patrons.

Agappe's CTS goes out of the way to guide customers to perform the test, observe protocols and give proper training if required. CTS has well defined sturdy processes for faster action. The frequent training sessions and upgradation of knowledge through first-hand practical sessions endow our engineers with the ability to accurately identify each problem and provide the solutions with much ease.

The CTS team's remarkable coordination with service engineers, product specialists and internal technical squad facilitates early and effective solution of every complaint to enhance customer experience. In Agappe, we do really believe that the Customer is the King. ■



# TECHAGAPPE

TechAgappe is a unique scientific and informative journal focused on the IVD sector. A quarterly publication, TechAgappe is primarily meant for clinicians, academicians, researchers, aspirants seeking a career in diagnostics, students and last, but not the least, ADL's worldwide customers, business partners and collaborators.

Prof. Dr D.M. Vasudevan, a well renowned academician and researcher, is the Editor-in-Chief of TechAgappe. The journal focuses on a particular theme or topic in each of its editions. TechAgappe also features informative articles on technology developments in diagnostics.

Each edition throws the spotlight on a particular medical condition, featuring life stories of people who have conquered it. The human-interest articles are inspirational and motivational for those who endure the trauma of their illness. In addition, the journal publishes scholarly articles, besides carrying news about the new trends in technology and its application in diagnostics. TechAgappe carries interviews of eminent personalities in field of Healthcare. Other highlights of the journal include health tips, best laboratory practices, product familiarisation and news updates.

TechAgappe reaches the doorsteps of 45,000 subscribers, including laboratories and diagnostic centres, research institutions, medical colleges, and healthcare establishments. TechAgappe is Agappe's contribution to science and technology.



# CSR ACTIVITIES

Agappe Diagnostics Ltd. has driven on a large spectrum of projects through the concrete CSR policy which we safeguard on every breath over the last two decades. Agappe is always directed to reach the bottom level of the society with various add on service benefits. The Company has a policy of spending its CSR funds towards Rural Development, Preventive Healthcare & Education. Agappe enforce Environment sustainability, ecological balance and conservation of natural resources for the welfare of the Society.

## **Education, Employability and Livelihoods Enhancement**

The main CSR objective of Agappe is to shape the leaders who will dedicate themselves to make a positive impact in society. We support govt schools by constructing sanitation blocks, libraries, auditoriums and science labs and promoting digital literacy by providing computers and projectors apart from books & uniforms to schools. Agappe promotes interest in Diagnostic science among students by setting up Innovation hubs for hands on training. Providing financial support to students from

government schools, who have secured the top positions in school and felicitating meritorious students is a long-standing tradition of Agappe.

## **Rural Development**

Agappe is focused on its CSR policies by carrying out various infrastructural development activities to boost up the rural economy helping our village with various development activities, including setting up solar lights and public camera surveillance and conducting various sanitation programs.

## **Preventive Healthcare**

Agappe diagnostics works with a public mission of improving personal health and strengthening public health infrastructure. We comprehend the need for public health awareness by conducting health check-ups and routine blood testing in poor communities and for local police forces at their office premises to ensure that all are well healthier to serve the public. ■

# GLOBAL FOOTPRINT



**65+**  
COUNTRIES

**35000+**  
CUSTOMERS

**700+**  
WORKFORCE

**24x7**  
CUSTOMER SUPPORT

## **CORPORATE OFFICE**

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**BRANCH OFFICES: Delhi | Kolkata | Bangalore**





**AGAPPE**

Sharp for accuracy and smooth in procedure  
open to all and no closed loops  
bright as future and simple as present.