



Dedicated With Barcoded  
Clinical Chemistry  
Reagents Catalogue

**Tokyo Beoki**  
Biolis, Prestige Series



## ImproGen - a global diagnostic solutions provider



ISO 13485:2016



ISO 9001:2015



ISO 9001:2015



ISO 13485:2016

### Improgen Diagnostic Chem Ltd.

Improgen Clinical Diagnostic Systems is a well-established IVD manufacturer supplying products for many countries worldwide.

Improgen Diagnostic Systems emerged as pioneer in the field of liquid-stable reagents and has developed to an established provider of diagnostic solutions for clinical laboratory.

Improgen develops, manufactures and markets diagnostic systems of superior quality. Laboratories, hospitals, and physicians in more than Many countries rely on Improgen products and services for the well being of their patients.

Our proven product performance, matched with our selection of reputable distribution partners, has been instrumental to our continued success and growth.

Built on a culture of quality and performance we are committed to providing our customers with a reliable service and results they can trust.

Since its foundation, the independent company has introduced more than ninety liquid-stable reagents for routine and special diagnostics completed by calibrators and controls. Today, we develop not only reagents, but complete diagnostic solutions.






Permanent update of quality products and processes supported by extensive R&D activities and tailor-made solutions along with strong customer support, maintain and extend Improgen' position as top quality supplier. In order to be close to the customer, Improgen is continuously to laboratories all over the world.

Improgen maintains a quality management system certified according to ISO 13485. All our products are CE marked according to Directive 98/79/EC.

TEST MENU

<b>Hepatic Panel</b> Alanine Aminotransferase (ALT), γ-Glutamyl Transferase (GGT), Albumin (ALB), Prealbumin (PA), Cholinesterase (CHE),	Total Bilirubin 5'-Nucleotidase (5'-NT) Aspartate Aminotransferase (AST), Alkaline phosphatase (ALP), Total protein (TP),	Total Bile Acids (TBA), Direct Bilirubin α-L-Fucosidase (AFU), Haptoglobin
<b>Renal Panel:</b> Creatinine Creatinine Enzymatic Microalbumin (MALB)	β2-Microglobulin (β2-MG), Carbon dioxide (CO2) Urea (UREA),	Uric acid (UA), Cystatin C (Cys-C) Urinary Protein
<b>Lipid Panel:</b> Total Cholesterol (TC), LDL-Cholesterol (LDL-C), Apolipoprotein B (Apo-B),	Lipoprotein (a) (LP(a)) HDL-Cholesterol (HDL-C) Apolipoprotein A1 (Apo-A1)	Triglycerides (TG)
<b>Cardiac Panel:</b> Creatine Kinase (CK), α-Hydroxybutyrate Dehydrogenase (HBDH) High Sensitivity CRP (HS-CRP), D-Dimer,	Creatine Kinase-MB (CK-MB), Homocysteine (HCY), Myoglobin (MYO), Lactate Dehydrogenase (LDH)	Troponin I TxB Cardio
<b>Anemia Panel:</b> Anemia Panel: Transferrin (TRF)	Ferritin (FER), Iron (Fe),	Unsaturated Iron-Binding Capacity (UIBC) Glucose-6-Phosphate Dehydrogenase (G6PD)
<b>Pancreatitis Panel:</b> α-Amylase (α-AMY)	Lipase (LIP)	Pancreatic Amylase
<b>Inorganic / Elektrolide Panel</b> Magnesium (Mg), Calcium (Ca), Copper (Cu)	Phosphorus (P) Ammonia (NH3) Lithyum (Li)	Sodium (Na) Potassium (K) Chloride (CL)
<b>Immune Panel:</b> Complement C3 (C3) Immunoglobulin A (IgA)	Immunoglobulin M (IgM) Immunoglobulin E (IgE)	Complement C4 (C4), Immunoglobulin G (IgG)
<b>Rheumatism Panel:</b> C-reactive Protein (CRP)	Antistreptolysin "O" (ASO)	Rheumatoid Factor (RF)
<b>Lung Panel:</b> Adenosine Deaminase (ADA)	Angiotensin Converting Enzyme (ACE)	
<b>Cancer Marker Panel:</b> α-Fetoprotein (AFP) Carcinoembryonic Antigen (CEA)	Human Kappa (κ) Free Light Chain Human Lamda (λ) Free Light Chain	Acid Phosphatase (ACP)
<b>Vitamin Markers Panel:</b> Vitamin D	Vitamin B12	Folate
<b>Coagulation Panel</b> D Dimer	Fibrinogen	Antithrombin III
<b>Spesific Panel</b> Aldolase Alfa -Hydroxybutyrate Dehy. (HBDH) Alfa-1- Acid Glycoprotein Alfa-1-Antitrypsin Alpha-1-Microglobulin Alpha-2-Macroglobulin Apolipoprotein A-I Apolipoprotein A-II Apolipoprotein B Apolipoprotein C-II Apolipoprotein E	ApolipoproteinC III ATP Hexokinase Canine CRP D-3 Hydroxybutyrate Dibucaine Glutamate Procalcitonin Glutamine Glutathione Peroxidase Glutathione Reductase Glycerol	Glycosylated serum protein Hemoglobin Haptoglobin Leucine Arylamidase (LAP) N-Acetyl-β-D-glucosaminidase NEFA Pyruvate sPLA2-IIA Superoxide Dismutase Total Antioxidant Status Xilose

# BENEFITS OF IMPROGEN REAGENTS

-  Improgen offers the largest range of chemistries  
Reducing the need to source products from multiple suppliers  
The widest range of routine and niche reagents for comprehensive testing profiles
-  Liquid ready-to-use reagents available  
Ensuring ease of use within the laboratory, increased productivity and faster turnaround times  
For added convenience and accuracy of testing
-  Automated applications for a wide range of clinical analysers  
Applications available for hundreds of biochemistry analysers ensures confidence in testing  
Our Easy Read and Easy Fit options ensure flexibility and choice from an independent manufacturer
-  Proof of quality and commitment to providing the best reagents in the market  
Excellent correlation to reference methods  
Our extremely tight manufacturing tolerances ensure uniformity across reagent batches
-  Wide measuring ranges  
Ensures all results can be covered by one single reagent  
Reduces the costs of purchasing different reagents with different measuring ranges



We offer a range of reagents that are optimised for use on an extensive range of clinical chemistry analysers

All reagents are presented in bottles which fit easily into your analyser avoiding the need to pour reagents into dedicated bottles

Dedicated read reagents offer increased accuracy and reliability

A wide range of validated analyser applications ensure ease of programming and confidence in results

A simple 2 step process allows you to actively run Improgen Reagents on your clinical chemistry analyser

All reagents are presented in bottles that fit directly onto the analyser

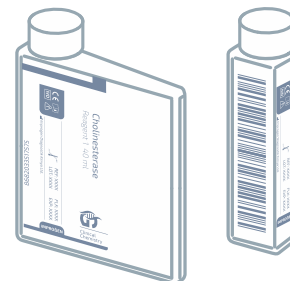
Reagents include barcodes that enable the analyser to read automatically

Simple process saves time and improves laboratory efficiency

Offers you freedom of choice from an independent manufacturer

## General Specifications

- All reagents are presented in bottles that fit directly onto the analyser
- Reagents include barcodes that enable the analyser to read automatically
- Simple process saves time and improves laboratory efficiency
- Offers you freedom of choice from an independent manufacturer



Improgen Dedicated Read reagents are simple to use:

Step 1: Load your Dedicated Read reagent onto the clinical analyser.

Step 2: As all necessary settings are encoded on the barcode, the analyser software will read and store the settings as provided.

## Compatible Models & Bottles;



Bottle For;  
Reagent R1 & Mono Reagents



Bottle For;  
Reagent R2 & Small Size



Bottle For;  
Reagent R3 & Specific Reagents

## General Specifications Of ImproGen Reagents

- Improgen Dedicated Read reagents ensure Efficiency, Flexibility and Ease of Use.
- All reagents are presented in bottles that fit directly onto the analyser.
- Dedicated Reagents include barcodes that enable the analyser to read automatically
- Offers you freedom of choice from an independent manufacturer
- Liquid-stable up to the expiry date, even after opening.
- Ready-to-use - no reconstitution errors, directly available for STAT analysis
- Typical stability 12 – 24 months
- Multi-purpose kits in different sizes for small and large laboratories
- Applications available for automated systems.

## ImproGen Catalogue Codes

ImproGen uses a series of characters and numbers to create unique product codes. These easy to read codes allow you to assess which product will be suitable for your laboratory.

### How to read ImproGen Catalogue Codes

**Digits 1 – 3** Sequence of 3 letters which identify the specific analyte of interest

E.g. : CRP3011: CRP : CRP C-Reactive Protein  
HBA3011: HBA : Hemoglobin A1c Direct

**Digits 4 – 5** A unique combination of 4 or 5 numbers that characterise kit format for which analyzers

E.g. : CRP3011: 30  
Dedicated & Barcoded information  
Barcoded Easy Read bottles for Abbott  
Architect C Series, Aeroset

E.g. : CRP3211: 32  
Dedicated & Barcoded information  
Barcoded Easy Read bottles for Beckman Coulter  
AU Series

**Digits 6 – 7** A unique combination of 6 or 7 Reagent packaging information

E.g. : CRP3011: 11: R1: 3x80 ml R2: 3x20 ml  
CRP3021: 21: R1: 1x80 ml R2: 1x20 ml



ImproGen supplies a range of catalogue codes to suit every laboratory's need:

### General Catalogue Codes

These cover a range of requirements from manual use to use on multiple semi automated and automated analysers.

### Easy Read Catalogue Codes

These codes apply to Randox reagents that have bottles that are barcoded for use on specific analysers.

### Easy Fit Catalogue Codes

These codes apply to ImproGen reagents that have bottle sizes to fit channels of different analysers.

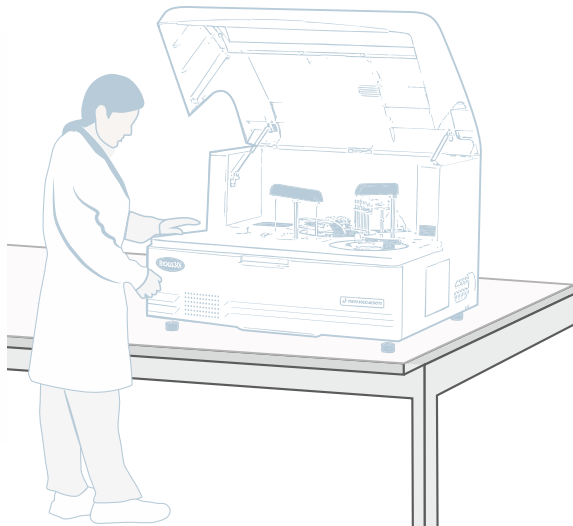


# For Tokyo Boeki

Dedicated With Barcoded

For Tokyo Boeki Biolis, Prestige Series

Prestige 24,24i,30i,50,50i, Biolis 24,24i,30i,50,50i



## Clinical Chemistry Product List

Cat No:	Description	Package Included
ACP4911	ACP - Acid Phosphatase	(1x24mL + 1x6mL)
ALT4911	ALT - Alanine Aminotransferase	(3x23mL + 3x7,5mL)
ALT4931	ALT - Alanine Aminotransferase	(8x23+4x15 ml)
ABM4911	Albumin	(3x25mL)
ALB4931	Albumin	(4x40mL)
APH4911	ALP - Alkaline Phosphatase	(3x23mL + 3x7,5mL)
ALP4931	ALP - Alkaline Phosphatase	(8x23+4x15 ml)
AMM4911	Ammonia	(2x20mL + 1x10mL)
ASO4911	ASO - Antistreptolysin "O"	(3x23mL + 3x7,5mL)
AST4911	AST - Aspartate Aminotransferase	(3x23mL + 3x7,5mL)
AST4931	AST - Aspartate Aminotransferase	(8x23+4x15 ml)
CAL4911	Calcium	(3x25mL)
CHE4911	CHE - Cholinesterase	(1x23mL + 1x7,5mL)
CRP4911	CRP - C-reactive Protein	(3x23mL + 3x7,5mL)
CRE4911	Creatinine	(3x23mL + 3x7,5mL)
CRE4921	Creatinine	(6x23mL + 3x13mL)
CR14941	Creatinine 1+1	(3x23mL + 3x23mL)
CRE4931	Creatinine 1+2	(6x22+6x22 ml)
CKN4911	CK - Creatinine Kinase	(3x23mL + 3x7,5mL)
CKM4911	CK-MB - Creatinine Kinase - MB	(3x23mL + 3x7,5mL)
CYC4911	Cystatin-C	Standard Pack
DBR4911	Bilirubin (Direct)	(3x23mL + 3x7,5mL)
ETH4911	Ethanol	(3x20mL + 3x5mL)
FER4911	Ferritin	(3x23mL + 3x7,5mL)
LDH4911	LDH - Lactate Dehydrogenase	(3x23mL + 3x7,5mL)
LDH4931	LDH - Lactate Dehydrogenase	(4x23+4x7.5 ml)
GLU4911	Glucose	(3x25mL)
HDL4911	HDL-Cholesterol	(3x24mL + 3x8mL)
HDL4931	HDL-Cholesterol	(6X23+6x9 ml)
HBA4911	Hemoglobin A1C Direct	(3x12mL + 3x4mL)
HBA4931	Hemoglobin A1C Direct	(1x12mL + 1x4mL)
HCY4911	Homocysteine	Standard Pack
IGA4911	IgA - Immunoglobulin A	(1x20mL + 1x5mL)
IGE4911	IgE - Immunoglobulin E	(1x20mL + 1x10mL)
IGG4911	IgG - Immunoglobulin G	(1x20mL + 1x5mL)
IGM4911	IgM - Immunoglobulin M	(1x20mL + 1x5mL)
IRN4911	Iron Ferrum	(3x23mL + 3x7,5mL)
IRN4931	Iron Ferrum	(8x23+4x15 ml)
LDL4911	LDL-Cholesterol	(3x24mL + 3x8mL)
LDL4931	LDL-Cholesterol	(6X23+6x9 ml)
LIP4911	Lipase	(3x23mL + 3x7,5mL)
LIP4931	Lipase	(4x23+2x15 ml)

Cat No:	Description	Package Included
MAG4911	Magnesium	(3x25mL)
MAG4931	Magnesium	(6x40mL)
MAL4911	Microalbumin Uria	(3x23mL + 3x7,5mL)
PHP4911	Phosphorus	(3x25mL)
PHP4931	Phosphorus	(6x40mL)
RHF4911	RF - Rheumatoid Factor	(3x23mL + 3x7,5mL)
TBI4911	Total Bile Acids	Standard Pack
TBR4911	Bilirubin (Total)	(3x23mL + 3x7,5mL)
TCH4911	Total Cholesterol	(3x25mL)
TPR4911	Total Protein	(3x25mL)
TFE4911	Transferrin	Standard Pack
TRG4911	Triglycerides	(3x25mL)
UIB4911	UIBC - U.Iron Binding Capacity	(3x23mL + 3x7,5mL)
UIB4921	UIBC - U.Iron Binding Capacity	(6x23mL + 3x13mL)
UIB4931	UIBC - U.Iron Binding Capacity	(1x23+1x7.5 ml)
URE4911	Urea	(3x23mL + 3x7,5mL)
URE4921	Urea	(6x23mL + 3x13mL)
URE4931	Urea	(8x23+4x15 ml)
URA4911	Uric Acide	(3x25mL)
URA4921	Uric Acide	(6x40mL)
URP4911	Urinary Protein	(3x25mL)
URP4921	Urinary Protein	(4x40mL)
ZIN4911	Zinc	(3x23mL + 3x7,5mL)
ZIN4921	Zinc	(2x20mL + 1x10mL)
AMY4911	α-Amylase	(3x25mL)
AMY4921	α-Amylase	(6x40mL)
GGT4911	γGT - γ-Glutamyl Transferase	(3x23mL + 3x7,5mL)
GGT4921	γGT - γ-Glutamyl Transferase	(6x23mL + 3x13mL)
GGT4931	γGT - γ-Glutamyl Transferase	(8x23+4x15 ml)
CLR4911	Chloride	(2x20mL + 1x10mL)
CC34911	Complement C3	(2x20mL + 1x10mL)
CC44911	Complement C4	(2x20mL + 1x10mL)
CU04911	Copper	(2x20mL + 1x10mL)
CEN4911	Creatinine Enzymatic	(2x20mL + 1x10mL)
FRU4911	Fructosamine	(2x20mL + 1x10mL)
HPG4911	Haptoglobin	(2x20mL + 1x10mL)
LIT4911	Lithium	(2x20mL + 1x10mL)
PAM4911	α-Amylase Pancreatic	(2x20mL + 1x10mL)
PRA4911	Prealbumin	(2x20mL + 1x10mL)
PCC4911	Procalcitonin	(2x20mL + 1x10mL)
B2M4911	β <sub>2</sub> -Microglobulin	(2x20mL + 1x10mL)
DDI4911	D-Dimer	(2x20mL + 1x10mL)

# Freedom of choice from an independent manufacturer



We are dedicated to providing reagents that fit perfectly with your laboratory needs.

In addition to providing an extensive test menu of the highest quality reagents, we also ensure flexibility, convenience and ease of use with our dedicated read reagent bottles.



“Freedom of choice

from an independent manufacturer”


    / improgen




ISO 13485:2016



ISO 9001:2015

 Improgen Diagnostik Kimya San. & Tic.Ltd.Sti.  
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