

Dacheng Biotechnology Company Product Manual

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Company Profile

Beijing Dacheng Biotechnology Co., Ltd. was established in 2014. It is a national high-tech enterprise specializing in the R&D, production and sales of high-quality IVD reagent raw materials. The raw materials of IVD reagents produced and sold by Dacheng Biotech are all independently developed by itself. The products include polyclonal (sheep, rabbit) antibodies, recombinant antigens, diagnostic raw material enzymes, various calibration and quality control raw materials and OEM reagents. Dacheng Biotech also provides customers with relevant technical support and service. All products of Dacheng Biotech must undergo strict quality inspection before being shipped. At present, it has won the trust of a large number of well-known IVD reagent manufacturers, established its own brand characteristics and advantages, and has developed and maintained a great many stable customers.

Dacheng Biotech has strong technical strength in biological R&D, and most of the technical backbones have rich experience in the R&D and application of raw enzymes, antibodies and latex reagent preparation. The company has a complete set of equipments for R&D and production of raw enzymes, antibodies and OEM diagnostic reagents. It continues to develop and launch new products and can provide various product customization services according to the special needs of customers.

With the concept of "seeking truth and being practical, pursuing excellence, and win-win cooperation", Dacheng Biotech has been and will continue to constantly develop new products, improve service levels, and make unremitting efforts to build itself into a worldwide first-class IVD raw material manufacturer!

Our certificate



Company Research and Development Platform



Clinical Diagnostic Enzyme R&D Platform

Dacheng Biotechnology has extensive experience in the development of clinical diagnostic enzymes and has a mature factory for producing enzymes. At present, Dacheng has developed and obtained more than 40 kinds of raw enzyme genetic engineering strains, which helps in realizing the scale manufacturing of clinical diagnostic enzyme products.

Polyclonal Antibody R&D Platform

Dacheng Bio has established animal breeding bases in Hebei and Jiangsu Provinces, in which the production of polyclonal antibodies and customized services can be carried out. It produces more than 2000L of goat antiserum and more than 10 kinds of rabbit polyclonal antibodies for diagnostic reagents every year.



Antigen R&D Platform

Dacheng Biotechnology has accumulated much experience in recombinant protein expression and production. We use a variety of expression systems, including yeast, Escherichia coli, insect cells, and mammalian cell expression systems, which can maximize the success rate of the research and development projects.



Reagent R&D Platform

Dacheng Biotech has a research and development platform for biochemical diagnostic reagents. In addition to providing application analysis for raw material research and development, the reagent research and development platform also enables us to actively develop some new latex enhancement reagents, including HbA1c, PGI & PGII, CKMB (mass), IgE, SAA, KL-6 and other projects.

Clinical Diagnostic Enzyme

Abbreviate	Product name	Product number	Activity	Applications
ACOD	Acyl-CoA Oxidase	E009	$\geq 10\text{U/mg}$	NEFA
ACS	Acyl-CoA Synthetase	E008	$\geq 1\text{U/mg}$	NEFA
AGH	α -D-Glucoside Gucosylhydrolase	E006	$\geq 10\text{U/mg}$	AMY
CAT	Catalase	E032	$\geq 10\text{KU/mg}$	Cre
CBL	Cystathionine- β -lyase	E012	$\geq 50\text{U/mg}$	HCY
CBS	Cystathionine- β - synthase	E011	$\geq 5\text{U/mg}$	HCY
CHE	Cholesterol Esterase	E002	$\geq 30\text{U/mg}$	HDL,LDL,TCHO
CHO	Cholesterol Oxidase	E001	$\geq 20\text{U/mg}$	HDL,LDL,TCHO
CNH	Creatinine amidohydrolase (Creatininase)	E025	$\geq 300\text{U/mg}$	Cre
CRH	Creatine amidohydrolase (Creatinase)	E024	$\geq 5\text{U/mg}$	Cre
FOD-V	Fructosyl-Peptide Oxidase -1	E013	$\geq 1\text{U/mg}$	GA, HbA1C
G6PD	Glucose-6-Phosphate Dehydrogenase	E019	$\geq 50\text{U/mg}$	GLU-HK, CK, CK-MB
GDH-NAD(P)	Glucose Dehydrogenase	E010	$\geq 100\text{U/mg}$	CO2
GDH-FAD	Glucose Dehydrogenase (FAD dependent)	E034	$\geq 100\text{U/mg}$	blood sugar test paper

Clinical Diagnostic Enzyme

Abbreviate	Product name	Product number	Activity	Applications
GK	Glycerol Kinase	E022	$\geq 10\text{U/mg}$	TG
GLDH	Glutamate Dehydrogenase	E015	$\geq 100\text{U/mg}$	AMM, BUN
GPO	Glycerophosphate Oxidase	E020	$\geq 10\text{U/mg}$	TG
HK	Hexokinase	E026	$\geq 100\text{U/mg}$	GLU-HK, CK, CK-MB
3 α -HSD	3 α -Hydroxysteroid dehydrogenase	E005	$\geq 30\text{U/mg}$	TBA
D-LDH	D-Lactate Dehydrogenase	E004	$\geq 200\text{U/mg}$	GOT、GPT、SA
MDH	Malate Dehydrogenase	E017	$\geq 40\text{U/mg}$	CO2
NAL	N-Acetylneuraminic acid aldolase	E014	$\geq 10\text{U/mg}$	SA
NANH	N-Acyl Neuraminyol Hydrolase	E007	$\geq 50\text{U/mg}$	SA
PEPC	Phosphoenolpyruvate carboxylase	E032	$\geq 3\text{U/mg}$	CO2
PK	Pyruvate Kinase	E021	$\geq 50\text{U/mg}$	K
PNP	Purine-Nucleoside Phosphorylase	E003	$\geq 10\text{U/mg}$	ADA, 5NT
SOX	Sarcosine Oxidase	E018	$\geq 10\text{U/mg}$	Cre
Uric	Uricase	E016	$\geq 1\text{U/mg}$	UA
XOD	Xanthine oxidase	E023	$\geq 5\text{U/mg}$	ADA, 5NT

Sheep Polyclonal Antibody

Abbreviate	Product name	Product number	Applications
ALB-S	Sheep Antibody to Human Albumin (ALB)	A012	Immunoturbidimetry
APOA1-S	Sheep Antibody to Human Apolipoprotein A1 (APOA1)	A001	Immunoturbidimetry
APOB-S	Sheep Antibody to Human Apolipoprotein B (APOB)	A002	Immunoturbidimetry
C3-S	Sheep Antibody to Human Complement 3 (C3)	A008	Immunoturbidimetry
C4-S	Sheep Antibody to Human Complement 4 (C4)	A011	Immunoturbidimetry
cAST-S	Sheep Antibody to Human cAST	A106	Immunoturbidimetry
CP-S	Sheep Antibody to Human Ceruloplasmin (CP)	A013	mAST reagent
CRP-S	Sheep Antibody to Human C-Reaction Protein (CRP)	A009	Immunoturbidimetry
HPT-S	Sheep Antibody to Human Haptoglobin (HPT)	A014	Immunoturbidimetry
IgA-S	Sheep Antiserum to Human Immunoglobulin A (IgA)	A004	Immunoturbidimetry
IgG-S	Sheep Antiserum to Human Immunoglobulin G (IgG)	A005	HBA1C
IgG(M)-S	Sheep anti Mouse Immunoglobulin G (IgG)	A107	Immunoturbidimetry
IgM-S	Sheep Antiserum to Human Immunoglobulin M (IgM)	A006	latex-enhanced immunoturbidimetry
Lpa-S	Sheep Antiserum to Human Lipoprotein(a) (Lpa)	A103	Immunoturbidimetry
PA-S	Sheep Antiserum to Human Prealbumin (PA)	A003	latex-enhanced immunoturbidimetry
RBP-S	Sheep Antiserum to Human RBP	A104	Immunoturbidimetry
TRF-S	Sheep Antiserum to Human Transferrin (TRF)	A007	Immunoturbidimetry

Rabbit Polyclonal Antibody

Abbreviate	Product name	Product number	Applications
ADPN-R	Rabbit anti Human ADPN	D005	latex-enhanced immunoturbidimetry
BMG-R	Rabbit anti Human BMG	D007	latex-enhanced immunoturbidimetry
CG-R	Rabbit anti Human CG	D004	latex-enhanced immunoturbidimetry
CRP-R	Rabbit anti Human CRP	D001	latex-enhanced immunoturbidimetry
CYSC-R	Rabbit anti Human CYSC	D008	latex-enhanced immunoturbidimetry
Lp-PLA2-R	Rabbit anti Human Lp-PLA2	D006	latex-enhanced immunoturbidimetry
MMP3-R	Rabbit anti Human MMP3	D009	latex-enhanced immunoturbidimetry
NGAL-R	Rabbit anti Human NGAL	D003	latex-enhanced immunoturbidimetry
RBP-R	Rabbit ant Human RBP	D012	latex-enhanced immunoturbidimetry
SAA-R	Rabbit anti Human SAA	D002	latex-enhanced immunoturbidimetry

Monoclonal antibody

Abbreviate	Product name	Product number	Applications
C1Q(MAB1)	Human C1Q Monoclonal Antibody 01	F009-01	latex-enhanced immunoturbidimetry
C1Q(MAB2)	Human C1Q Monoclonal Antibody 02	F009-02	latex-enhanced immunoturbidimetry
CG(MAB1)	Human CG Monoclonal Antibody 01	F006-01	latex-enhanced immunoturbidimetry
CKMB(MAB1)	Human CKMB Monoclonal Antibody 01	F010-01	latex-enhanced immunoturbidimetry
CKMB(MAB2)	Human CKMB Monoclonal Antibody 02	F010-02	latex-enhanced immunoturbidimetry
CRP(MAB1)	Human CRP Monoclonal Antibody 01	F004-01	latex-enhanced immunoturbidimetry
CRP(MAB2)	Human CRP Monoclonal Antibody 02	F004-02	latex-enhanced immunoturbidimetry
DD(MAB1)	Human DD Monoclonal Antibody 01	F007-01	latex-enhanced immunoturbidimetry
DD(MAB2)	Human DD Monoclonal Antibody 02	F007-02	latex-enhanced immunoturbidimetry
FDP(MAB1)	Human FDP Monoclonal Antibody 01	F012-01	latex-enhanced immunoturbidimetry
FDP(MAB2)	Human FDP Monoclonal Antibody 02	F012-02	latex-enhanced immunoturbidimetry
HbA1C(MAB1)	Human HbA1C Monoclonal Antibody 01	F001-01	latex-enhanced immunoturbidimetry
IgE(MAB1)	Human IgE Monoclonal Antibody 01	F013-01	latex-enhanced immunoturbidimetry
IgE(MAB2)	Human IgE Monoclonal Antibody 02	F013-02	latex-enhanced immunoturbidimetry
IgG4(MAB1)	Human IgG4 Monoclonal Antibody 01	F016-01	latex-enhanced immunoturbidimetry
IgG4(MAB2)	Human IgG4 Monoclonal Antibody 02	F016-02	latex-enhanced immunoturbidimetry

Monoclonal antibody

Abbreviate	Product name	Product number	Applications
INS(MAB1)	Human INS Monoclonal Antibody 01	F017-01	latex-enhanced immunoturbidimetry
INS(MAB2)	Human INS Monoclonal Antibody 02	F017-02	latex-enhanced immunoturbidimetry
KL-6(MAB1)	Human KL-6 Monoclonal Antibody 01	F008-01	latex-enhanced immunoturbidimetry
KL-6(MAB2)	Human KL-6 Monoclonal Antibody 02	F008-02	latex-enhanced immunoturbidimetry
Lpa(MAB1)	Human Lpa Monoclonal Antibody 01	F003-01	latex-enhanced immunoturbidimetry
Lpa(MAB2)	Human Lpa Monoclonal Antibody 02	F003-02	latex-enhanced immunoturbidimetry
MYO(MAB1)	Human MYO Monoclonal Antibody 01	F011-01	latex-enhanced immunoturbidimetry
MYO(MAB2)	Human MYO Monoclonal Antibody 02	F011-02	latex-enhanced immunoturbidimetry
PGI(MAB1)	Human PGI Monoclonal Antibody 01	F014-01	latex-enhanced immunoturbidimetry
PGI(MAB2)	Human PGI Monoclonal Antibody 02	F014-02	latex-enhanced immunoturbidimetry
PGII(MAB1)	Human PGII Monoclonal Antibody 01	F015-01	latex-enhanced immunoturbidimetry
PGII(MAB2)	Human PGII Monoclonal Antibody 02	F015-02	latex-enhanced immunoturbidimetry
SAA(MAB1)	Human SAA Monoclonal Antibody 01	F005-01	latex-enhanced immunoturbidimetry
SAA(MAB2)	Human SAA Monoclonal Antibody 02	F005-02	latex-enhanced immunoturbidimetry

Antibody for chromatographic reagent

Product name	Host	Product number	Applications
MYO antibody	Mouse	C001-01	Immunochromatography (coating)
	Mouse	C001-02	Immunochromatography (marking)
CKMB antibody	Mouse	C002-01	Immunochromatography (coating)
	Mouse	C002-02	Immunochromatography (marking)
CRP antibody	Mouse	C003-01	Immunochromatography (coating)
	Mouse	C003-02	Immunochromatography (marking)
SAA antibody	Human	C004-01	Immunochromatography (coating)
	Human	C004-02	Immunochromatography (marking)

Biochemical reagent

Abbreviate	Product name	Product number	Methodology
5'-NT	5' - nucleotidase Reagent	S002	Enzymatic method
ADA	Adenosine Deaminase Reagent	S001	Enzymatic method
ADN	Adiponectin Reagent	S029	latex-enhanced immunoturbidimetry
APOA1	Apolipoprotein A1 Reagent	S011	Immunoturbidimetry
APOB	Apolipoprotein B Reagent	S012	Immunoturbidimetry
ASO	Anti-Streptococcus O Reagent	S019	latex-enhanced immunoturbidimetry
BMG	β 2-microglobulin Reagent (with blood and urine test)	S025	latex-enhanced immunoturbidimetry
C1q	Complement C1q Reagent	S035	latex-enhanced immunoturbidimetry
C3	Complement C3 reagent	S043	Immunoturbidimetry
C4	Complement C4 reagent	S044	Immunoturbidimetry
CG	Glycolic Acid Reagent	S030	Latex-enhanced immunoturbidimetry
CHI3L1	Chitinase-3-like protein 1 reagent	S048	Latex-enhanced immunoturbidimetry
CK	Creatine Kinase reagent	S038	IFCC method
CK-MB	Creatine kinase - MB reagent	S039	Selective Inhibition Method/mass
CO2	Carbon Dioxide Reagent	S004	Enzymatic method
CREA	Creatinine Reagent	S008	Enzymatic method
CRP	C-reactive Protein Reagent	S020	latex-enhanced immunoturbidimetry
Cys-C	Cystatin C Reagent (with blood and urine test)	S022	latex-enhanced immunoturbidimetry
FDP	Fibrin (Ogen) Degradation Product Reagent	S049	latex-enhanced immunoturbidimetry
Fer	Ferritin Reagent	S034	Latex-enhanced immunoturbidimetry

Biochemical reagent

Abbreviate	Product name	Product number	Methodology
HbA1C	Glycated Hemoglobin Reagent	S033	latex-enhanced immunoturbidimetry
HCY	Homocysteine Reagent	S005	Enzymatic method
HDL-C	High Density Lipoprotein Cholesterol Reagent	S016	Enzymatic method
hs-CRP	High-sensitivity C-reactive Protein Reagent	S021	latex-enhanced immunoturbidimetry
IgA	Immunoglobulin A reagent	S041	Immunoturbidimetry
IGE	Immunoglobulin E reagent	S045	Latex-enhanced immunoturbidimetry
IgG	Immunoglobulin G reagent	S040	Immunoturbidimetry
IgG4	Immunoglobulin G4 reagent	S046	Latex-enhanced immunoturbidimetry
IgM	Immunoglobulin M reagent	S042	Immunoturbidimetry
KL-6	Sially Liquefied Sugar Chain Antigen-6 Reagent	S036	Latex-enhanced immunoturbidimetry
LDL-C	Low Density Lipoprotein Cholesterol Reagent	S017	Enzymatic method
Lp(a)	Lipoprotein(a) Reagent	S024	Latex-enhanced immunoturbidimetry
Lp-PLA2	Lipoprotein-associated Phospholipase A2	S031	Latex-enhanced immunoturbidimetry
LPS	Lipase Reagent	S010	Enzymatic method
mALB	Urine Microalbumin Reagent	S014	Immunoturbidimetry
m-AST	Aspartate Aminotransferase Mitochondrial Isoenzyme Reagent	S006	Enzymatic method
MYO	Myoglobin reagent	S047	Latex-enhanced immunoturbidimetry

Biochemical reagent

Abbreviate	Product name	Product number	Methodology
NEFA	Free Fatty Acid Reagent	S003	Enzymatic method
NGAL	Neutrophil Gelatinase-related Apolipoprotein Reagent	S026	Latex-enhanced immunoturbidimetry
PA	Prealbumin Reagent	S013	Immunoturbidimetry
PGI	Pepsinogen I reagent	S101	Latex-enhanced immunoturbidimetry
PGII	Pepsinogen II reagent	S102	Latex-enhanced immunoturbidimetry
RBP	Retinol-binding Protein Reagent (with blood and urine test)	S023	Latex-enhanced immunoturbidimetry
RF	Rheumatoid Factor Reagent	S018	Latex-enhanced immunoturbidimetry
SA	Sialic Acid Reagent	S007	Enzymatic method
SAA	Serum Amyloid Protein A reagent	S027	Latex-enhanced immunoturbidimetry
sdLDL-C	Small Dense Low Density Lipoprotein Cholesterol Reagent	S009	Enzymatic method
TBA	Total Bile Acids reagent	S037	Enzymatic method

Calibration and quality control raw materials

Abbreviate	Product name	Product number	Concentration / Activity
ADA	Adenosine Deaminase(ADA)	G013	$\geq 10\text{U/mg}$
ADPN	ADPN calibration material	G016	$\geq 0.2\text{mg/ml}$
AFU	α -L-Fucosidase(AFU)	G011	$\geq 300\text{U/L}$
ALT(GPT)	Alanine aminotransferase(ALT/GPT)	G014	$\geq 5\text{U/ml}$
APOA1	APOA1 calibrator	G005	$2.3\text{-}2.8\text{mg/ml}$
AST(GOT)	Aspartate aminotransferase(AST/GOT)	G003	$\geq 2\text{U/ml}$
BMG	BMG calibration material	G002	$\geq 0.5\text{mg/ml}$
CRP	CRP calibration material	G015	$1.3\text{-}3.0\text{mg/ml}$
CysC	CysC calibration material	G001	$\geq 0.5\text{mg/ml}$
HCY	HCY calibration material	G028	$\geq 5\mu\text{mol/L}$
HDL	HDL calibration material	G023	$\geq 5\text{mmol/L}$

Calibration and quality control raw materials

Abbreviate	Product name	Product number	Concentration / Activity
Human IgG4	IgG4 Linear high value	G26	$\geq 3\text{g/L}$
IgE	IgE calibration material	G027	$\geq 50\text{KIU/ml}$
LDH	L-Lactate Dehydrogenase(L-LDH)	G018	$\geq 50\text{U/mg}$
LDL	LDL calibration material	G024-1	$\geq 9\text{mmol/L}$
Lpa	Lipoprotein (a) calibration material(can be lyophilized)	G022-2	$\geq 3\text{mg/ml}$
Lp-pLA2	Lp-plA2 calibrator material	G020	$\geq 20\text{mg/L}$
mAST	Aspartate Aminotransferase Mitochondrial Isoenzyme calibration material	G021	$\geq 20\text{mg/L}$
MMP3	MMP3 calibration material	G017	$\geq 20\text{mg/L}$
MYO	MYO calibration material	G009	$\geq 20\text{mg/L}$
NGAL	NGAL calibration material	G006	$\geq 50\text{mg/L}$
PA	PA calibration material	G004	$\geq 2\text{mg/ml}$
RBP	RBP calibration material	G008	$\geq 0.5\text{mg/ml}$
RF	RF calibration material	G019	$\geq 500\text{IU/ml}$
SAA	SAA calibration material	G010	$\geq 1.0\text{mg/ml}$
TRF	TRF calibration material	G012	$\geq 10\text{mg/ml}$

Specialty proteins

Abbreviate	Product name	Product number
CG-BSA	CG-BSA protein conjugate	T001
CG-G6PDH	CG-G6PDH protein conjugate	T006
N protein	Recombinant SARS-CoV-2 Nucleocapsid Protein	T005
RBD	SARS-CoV-2 (2019-nCoV) Spike Protein (RBD, Mouse Fc Tag)	T003
S1	SARS-CoV-2 (2019-nCoV) Spike Protein (S1 Subunit)	T002
SLO	Streptolysin O protein	T004

Coenzymes, Substrates, Chemicals

Abbreviate	Product name	Product number	CAS No.
APADH	3-Acetylpyridine adenine dinucleotide, reduced form	B001	102029-93-6
CoA	Coenzyme A trilithium salt	B002	18439-24-2
FAD	Flavine-adenine dinucleotide disodium salt	B003	84366-81-4
S-NAD	Thionicotinamide adenine dinucleotide	B004	4090-29-3
PEP	Phosphoenolpyruvate(PEP), cryst. Tricyclohexylammonium salt	B006	35556-70-8
TCEP	Tris(2-carboxyethyl) phosphine(TCEP)	B007	51805-45-9
IMP	5'-inosinate disodium	B008	131-99-7
DSS	Dextran Sulfate, Sodium Salt, MW 500,000	B010	9011-18-1
FAPGG	N-[3-(2-furylacryloyl)]-L-phenylalanyl-glycyl-glycine	B011	64967-39-1
NADH	β -Nicotinamide Adenine Dinucleotide Disodium Salt, reduced form	B013	606-68-8
NADP-Na ₂	β -Nicotinamide Adenine Dinucleotide Phosphate Disodium Salt	B014	24292-60-2
NAD	β -Nicotinamide adenine dinucleotide (β -NAD ⁺)	B015	53-84-9

Blockers

Product name	Product number	Applications
Active blocker 2	BAC002	Non characteristic reactions elimination
Active blocker 4	BAC004	Non characteristic reactions elimination
Active blocker 5	BAC005	HAMA effect elimination
Active blocker 6	BAC006	HAMA effect elimination

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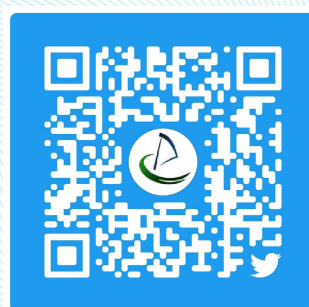
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