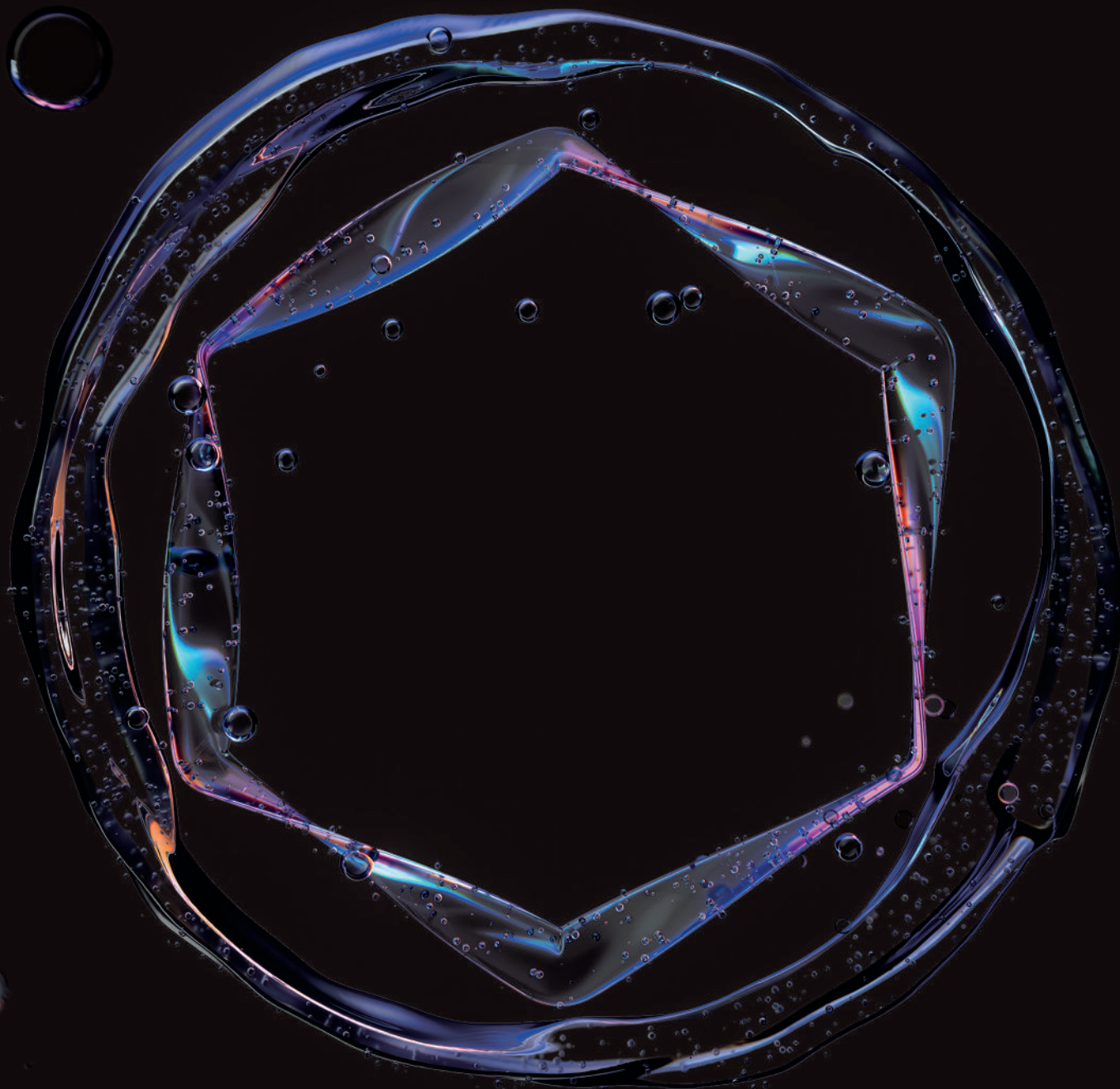




BBISOLUTIONS.COM

Products & Services



Advancing health, together

For over 70 years, we’ve specialized in the development and manufacturing of world-class reagents, both native and recombinant, helping IVD and life science teams transform scientific innovation into trusted, life-saving diagnostics.

Across our portfolio, from antibodies, enzymes, and antigens to complex conjugates and custom solutions, every product is developed with precision to support performance, regulatory compliance, and diagnostic accuracy.

But it’s not just about the products. We know what’s at stake. That’s why our scientists work shoulder-to-shoulder with yours, solving challenges, refining performance, and accelerating progress from concept to commercialization. Our continued investment in next-generation recombinant technologies reflects that commitment: enabling you to bring diagnostics and life science solutions to market faster with great confidence, resilience, and sustainability.

As you explore this brochure, we hope you’ll see what sets BBI apart - not just in what we make, but in how we show up as your partner.

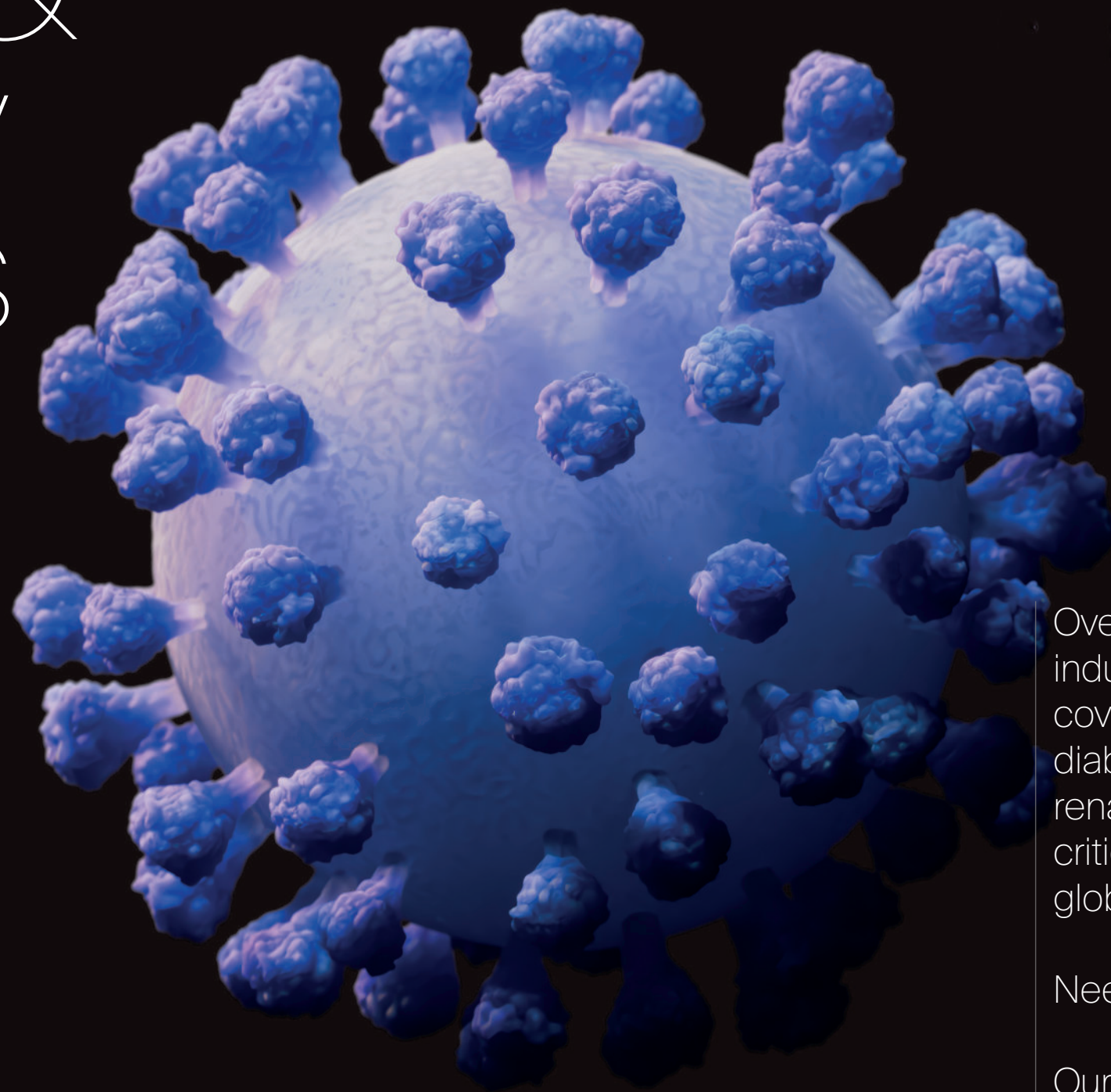
Welcome to BBI. Let’s advance health, together.

Alex Socarrás
Group CEO

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Human & serology antigens



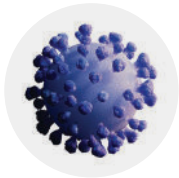
Over decades, we've built one of the industry's broadest antigen portfolios – covering critical markers in autoimmunity, diabetes, allergy, cardiac, tumor, hormonal, renal, and more – so you can source every critical target from one ISO 13485-certified, global partner.

Need a custom fit?

Our scientists will fine-tune any catalog antigen to your spec. Or you can take a native or recombinant target from feasibility through to full verification and manufacture using our custom development service.

Human
antigens

Disease Area	Product Name	Prod. Code (Pure)	Prod. Code (Part-pure)
Autoimmune / Inflammation	(α) alpha - 1 - antichymotrypsin (ACT)	P159-5	
	(α) alpha - 1 - antitrypsin (A1AT)	P165-5	
	(β) Beta-2-glycoprotein-1 (B2GPI)	P195-5	
	C-reactive protein (CRP)	P100-7N	
	Procalcitonin (PCT) (recombinant)	P742-1	
	Thyroglobulin (Tg)	P128-1	
	Thyroglobulin (Tg)	P128-0	
Cancer / Tumour	Alpha fetoprotein (AFP)	P109-3	
	Beta 2-microglobulin (β2M) (recombinant)	P701-1	
	CA125		P251-4
	CA15-3		P301-4
	CA19-9		P291-4
	Carcinoembryonic antigen (CEA)	P824-3	
	CYFRA 21-1		P246-4
	Neuron specific enolase (NSE)	P147-3	
	Prostatic Acid Phosphatase	P116-1	
	PSA-ACT complex	P192-3	P192-9
			P189-9
Cardiac	Creatine kinase MM (CK-MM)		
	D-Dimer	P202-3	
	Galectin 3 (Gal-3) (recombinant)	P734-1	
	HbA1c Reagents for Boronate Aff & Immuno <3.5% low level	PS186-0	
	High-density lipoprotein (HDL)		P233-8
	Low-density lipoprotein (LDL)		P232-8
	Myoglobin (MYO)	P136-3	
	N-terminal prohormone brain natriuretic peptide (NT-Pro BNP)	P305-1	
	Triglyceride Concentrate	P235-8	
	Troponin complex (cTn)		P184-4
	Troponin I (recombinant)	P725-3	
	Troponin T (recombinant)	P724-3	
Hormones	Human chorionic gonadotropin (hCG)	P111-0	P111-6
	Prolactin (recombinant)	P700-1	
	Sex hormone-binding globulin (SHBG)	P145-5	P145-4
	Sex Hormone Binding Globulin (SHBG) (recombinant)		P145-6
Immunoglobulins	IgG	P142-1	
	IgM	P141-5	
Infectious Disease	HIVp24	P714-3	
	Albumin (ALB)	P140-0	
	Ferritin	P103-7	
	HbA1c	PS186-9	PS186-0
	Prealbumin (Prealb)	P171-1	P171-2
	Transferrin receptor (TfR)		P185-9



Disease Area	Product Name	Prod. Code (Pure)	Prod. Code (Part-pure)
Plasma Proteins	Albumin	P714-3	
	Complement C4c		P151-8
	Thyroxine binding globulin (TBG)	P125-1	P125-2
Renal and Liver markers	Cystatin C (CysC)	P175-1	
	Cystatin C (recombinant)	P713-1	
	Lipocalin (NGAL) (recombinant)	P722-1	
	Retinol binding protein (RBP)	P124-1	
	α 1-microglobulin (α1M)	P121-1	
Cell Culture additives	Alpha 1 microglobulin (heat treated)	P121-9E	
	Apo Transferrin	T100-5	
	Holo Transferrin	T101-5	

Custom development
& manufacture
of antigens

Our custom antigen development service takes recombinant or native antigens from initial feasibility right through to verification.

If you can't find the antigens you are looking for, contact us today and we will do our best to provide a custom solution.

Feasibility

Optimization

Verification

Recombinant

- Screening of gene databases
- E. coli & Pichia
- Cloning
- Transformation
- Small scale fermentation

Native

- Sourcing of raw materials of human origin
- Small scale extraction and purification

Recombinant

- Optimized growth conditions
- Formulation
- Downstream processing
- Purification
- Fermentation capacity of 30L per batch

Native

- Large scale extraction
- Downstream processing purification

Native & Recombinant

- HPLC
- Western blot
- Protein electrophoresis
- IEF Gels
- Commercial autoanalysers
- Stability trials
- Validation

 Discuss your requirements with our technical team on +44 (0)1495 363 000 or email sales@bbisolutions.com

Serology antigens

BBI is one of the leading suppliers of recombinant and native antigens for autoimmune diagnostics, infectious disease serology, and allergy testing. Providing customers with products and services of the highest quality is our philosophy.

Therefore, all products are developed, produced and distributed according to a Quality Management System that is certified for compliance with EN ISO 13485 standards.

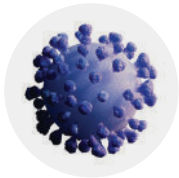
In addition, since September 2002, BBI has been listed as a manufacturer of multiple antigens in the database of the U.S. Food and Drug Administration (FDA).

Systemic Autoimmune Rheumatic Diseases

30300	50µg	DFS70
30301	1.0mg	
		Human recombinant
		Expressed in insect cells

Mixed Connective Tissue Disease / SLE

13000	50µg	U1-snRNP 68/70 kDa	13200	50µg	U1-snRNP C
13001	1.0mg		13201	1.0mg	
		Human recombinant			Human recombinant
		Expressed in <i>E. coli</i>			Expressed in insect cells
13100	50µg	U1-snRNP A	13300	50µg	U-snRNP B/B'
13101	1.0mg		13301	1.0mg	
		Human recombinant			Human recombinant
		Expressed in insect cells			Expressed in insect cells



- Autoimmune disease
- Infectious Disease
- Allergy

Systemic Lupus Erythematosus (SLE)

17500	50µg	Sm (non recombinant; bovine)	12300	50µg	dsDNA (plasmid)
17501	1.0mg		12301	1.0mg	
		Non recombinant			Plasmid
		Bovine			Expressed in <i>E. coli</i>
11600	50µg	RNP/Sm (non recombinant; bovine)	14100	50µg	Ribosomal Phosphoprotein P0
11601	1.0mg		14101	1.0mg	
		Non recombinant			Human recombinant
		Bovine			Expressed in insect cells
11700	50µg	SmD	14200	50µg	Ribosomal Phosphoprotein P1
11701	1.0mg		14201	1.0mg	
		Human recombinant			Human recombinant
		Expressed in insect cells			Expressed in insect cells
11800	50µg	SmD1	14300	50µg	Ribosomal Phosphoprotein P2
11801	1.0mg		14301	1.0mg	
		Human recombinant			Human recombinant
		Expressed in insect cells			Expressed in <i>E. coli</i>
11900	50µg	SmD2	15400	50µg	Proliferating Cell Nuclear Antigen (PCNA)
11901	1.0mg		15401	1.0mg	
		Human recombinant			Human recombinant
		Expressed in insect cells			Expressed in insect cells
12000	50µg	SmD3	17300	50µg	Ku (p70/p80)
12001	1.0mg		17301	1.0mg	
		Human recombinant			Human recombinant
		Expressed in insect cells			Expressed in insect cells
31100	50µg	Histone (non recombinant; bovine)	19700	50µg	Nucleolin
31101	1.0mg		19701	1.0mg	
		Non recombinant			Human recombinant
		Bovine			Expressed in insect cells
31000	50µg	Nucleosome (non recombinant; bovine)			
31001	1.0mg				
		Non recombinant			
		Bovine			

Serology
antigens

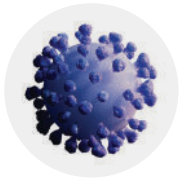
Sjögren’s Syndrome / SLE

17400	50µg	Ro/SS-A	12700	50µg	Ro/SS-A
17401	1.0mg	(60 kDa; recombinant)	12701	1.0mg	(52 kDa)
		Human recombinant			Human recombinant
		Expressed in <i>E. coli</i>			Expressed in insect cells
15500	50µg	Ro/SS-A	12800	50µg	La/SS-B
15501	1.0mg	(60 kDa; non recombinant; bovine)	12801	1.0mg	
		Non recombinant			Human recombinant
		Bovine			Expressed in insect cells
12500	50µg	Centromere Protein B	11500	50µg	DNA Topoisomerase I
12501	1.0mg	(CENP-B)	11501	1.0mg	(Scl-70; non recombinant; bovine)
		Human recombinant			Non recombinant
		Expressed in insect cells			Bovine
16900	50µg	Centromere Protein A	16000	50µg	PM/Scl 100
16901	1.0mg	CENP-A)	16001	1.0mg	
		Human recombinant			Human recombinant
		Expressed in insect cells			Expressed in insect cells
12400	50µg	DNA Topoisomerase I	17000	50µg	PM/Scl 75
12401	1.0mg	(Scl-70; full length)	17001	1.0mg	
		Human recombinant			Human recombinant
		Expressed in insect cells			Expressed in insect cells
14500	50µg	DNA Topoisomerase I			
14501	1.0mg	(Scl-70; truncated)			
		Human recombinant			
		Expressed in insect cells			

Autoimmune disease

Infectious Disease

Allergy



Myositis

12900	50µg	Histidyl-tRNA Synthetase	16000	50µg	PM/Scl 100
12901	1.0mg	(Jo-1)	16001	1.0mg	
		Human recombinant			Human recombinant
		Expressed in insect cells			Expressed in insect cells
15600	50µg	Threonyl-tRNA	17000	50µg	PM/Scl 75
15601	1.0mg	Synthetase (PL-7)	17001	1.0mg	
		Human recombinant			Human recombinant
		Expressed in insect cells			Expressed in insect cells
15700	50µg	Alanyl-tRNA Synthetase	18100	50µg	Mi-2
15701	1.0mg	(PL-12)	18101	1.0mg	
		Human recombinant			Human recombinant
		Expressed in insect cells			Expressed in insect cells
11100	50µg	Glycyl-tRNA Synthetase	11000	50µg	TIF1 gamma
11101	1.0mg	(EJ)	11001	1.0mg	
		Human recombinant			Human recombinant
		Expressed in insect cells			Expressed in insect cells
30100	50µg	Asparaginyl-tRNA Synthetase	31700	50µg	NXP2
30101	1.0mg	(KS)	31701	1.0mg	
		Human recombinant			Human recombinant
		Expressed in insect cells			Expressed in insect cells
18400	50µg	SRP54	31600	50µg	SAE1/SAE2
18401	1.0mg		31601	1.0mg	
		Human recombinant			Human recombinant
		Expressed in insect cells			Expressed in insect cells
3000	50µg	MDA5			
30001	1.0mg				
		Human recombinant			
		Expressed in insect cells			

Autoimmune Thyroid Diseases

12100	50µg	Thyroid Peroxidase (TPO)	12200	50µg	Thyroglobulin
12101	1.0mg		12201	1.0mg	(non recombinant)
		Human recombinant			Non recombinant
		Expressed in insect cells			Human

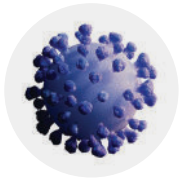
Serology antigens

Celiac Disease

15200	50µg	Tissue Transglutaminase (tTG; expressed in Baculovirus/Sf9)	19500	50µg	Gliadin (recombinant; deamidated)
15201	1.0mg	Human recombinant Expressed in insect cells	19501	1.0mg	Recombinant, deamidated Expressed in <i>E. coli</i>
14400	50µg	Tissue Transglutaminase (tTG; expressed in <i>E. coli</i>)	31500	50µg	Gliadin (non recombinant)
14401	1.0mg	Human recombinant Expressed in <i>E. coli</i>	31501	1.0mg	Non recombinant Wheat

Autoimmune Liver Diseases

31800	50µg	Cytochrome P450 2D6 (LKM 1; ng)	17800	50µg	OGDC-E2
31801	1.0mg	Human recombinant Expressed in insect cells	17801	1.0mg	Human recombinant Expressed in insect cells
13700	50µg	Formiminotransferase Cyclodeaminase (LC 1)	17900	50µg	PDC-E2
13701	1.0mg	Human recombinant Expressed in insect cells	17901	1.0mg	Human recombinant Expressed in insect cells
30800	50µg	SLA/LP	18900	50µg	Sp100
30801	1.0mg	Human recombinant Expressed in <i>E. coli</i>	18901	1.0mg	Human recombinant Expressed in insect cells
18000	50µg	M2	19000	50µg	gp210
18001	1.0mg	Human recombinant Expressed in insect cells	19001	1.0mg	Human recombinant Expressed in insect cells
17700	50µg	BCOADC-E2	19400	50µg	Nup62
17701	1.0mg	Human recombinant Expressed in insect cells	19401	1.0mg	Human recombinant Expressed in insect cells



Autoimmune disease

Infectious Disease

Allergy

ANCA Associated Diseases

18500	50µg	Myeloperoxidase (MPO; non recombinant)	19200	50µg	BPI (non recombinant)
18501	1.0mg	Non recombinant Human leukocytes	19201	1.0mg	Non recombinant Human leukocytes
18600	50µg	Proteinase 3 (PR3; non recombinant)			
18601	1.0mg	Non recombinant Human leukocytes			

Antiphospholipid / Thromboembolic Syndrome

14900	50µg	β2-Glycoprotein 1 (Apolipoprotein H)	11400	50µg	β2-Glycoprotein 1 (Apo H; non recombinant; bovine)
14901	1.0mg	Human recombinant Expressed in insect cells	11401	1.0mg	Non recombinant Bovine
11300	50µg	β2-Glycoprotein 1 (Apo H; non recombinant; human)			
11301	1.0mg	Non recombinant Human			

Crohn's Disease

19600	50µg	GP2
19601	1.0mg	Human recombinant Expressed in insect cells

Serology antigens

Diabetes Mellitus

31900	50µg	Glutamate Decarboxylase 65 kDa (GAD65; ng)*	30500	50µg	IA-2 (ICA 512)
31901	1.0mg		30501	1.0mg	
		Human recombinant			Human recombinant
		Expressed in insect cells			Expressed in insect cells

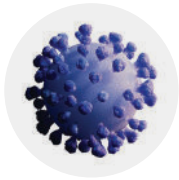
Anti-GBM Disease

16800	50µg	Glomerular Basement Membrane (GBM; dissociated)
16801	1.0mg	
		Human recombinant
		Expressed in insect cells

Pernicious Anemia

16700	50µg	Intrinsic Factor
16701	1.0mg	
		Human recombinant
		Expressed in insect cells

- Autoimmune disease
- Infectious Disease
- Allergy



Anaplasmosis

45600	50µg	Anaplasma Phagocytophilum Msp5
45601	1.0 mg	
		Recombinant
		Expressed in insect cells
45800	50µg	Anaplasma Phagocytophilum OmpA
45801	1.0 mg	
		Recombinant
		Expressed in E. coli
45500	50µg	Anaplasma Phagocytophilum p44
45501	1.0 mg	
		Recombinant
		Expressed in E. coli

Babesiosis

44200	50µg	Babesia Microti IRA
44201	1.0 mg	
		Recombinant
		Expressed in insect cells
44100	50µg	Babesia Microti p32
44101	1.0 mg	
		Recombinant
		Expressed in insect cells
44000	50µg	Babesia Microti p41
44001	1.0 mg	
		Recombinant
		Expressed in E. coli



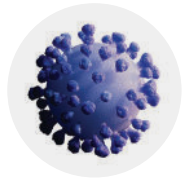
Serology
antigens

Bartonellosis / Cat Scratch Disease

45000	50µg	<i>Bartonella Henselae</i> 17 kDa	45200	50µg	<i>Bartonella Henselae</i> SucB
45001	1.0 mg	Recombinant Expressed in <i>E. coli</i>	45201	1.0 mg	Recombinant Expressed in <i>E. coli</i>
45100	50µg	<i>Bartonella Henselae</i> 26 kDa			
45101	1.0 mg	Recombinant Expressed in <i>E. coli</i>			

Borreliosis / Lyme Disease

41100	50µg	<i>Borrelia Afzelii</i> BmpA	42700	50µg	<i>Borrelia Bavariensis</i> DbpA
41101	1.0 mg	Recombinant Expressed in <i>E. coli</i>	42701	1.0 mg	Recombinant Expressed in <i>E. coli</i>
40900	50µg	<i>Borrelia Afzelii</i> DbpA	40700	50µg	<i>Borrelia Bavariensis</i> p58
40901	1.0 mg	Recombinant Expressed in <i>E. coli</i>	40701	1.0 mg	Recombinant Expressed in <i>E. coli</i>
41000	50µg	<i>Borrelia Afzelii</i> OspA	41400	50µg	<i>Borrelia Bavariensis</i> VlsE1
41001	1.0 mg	Recombinant Expressed in <i>E. coli</i>	41401	1.0 mg	Recombinant Expressed in <i>E. coli</i>
41800	50µg	<i>Borrelia Afzelii</i> OspC	40500	50µg	<i>Borrelia Burgdorferi</i> BmpA
41801	1.0 mg	Recombinant Expressed in <i>E. coli</i>	40501	1.0 mg	Recombinant Expressed in <i>E. coli</i>
42300	50µg	<i>Borrelia Afzelii</i> p100	40400	50µg	<i>Borrelia Burgdorferi</i> DbpA
42301	1.0 mg	Recombinant Expressed in insect cells	40401	1.0 mg	Recombinant Expressed in <i>E. coli</i>



Autoimmune disease

Infectious Disease

Allergy

Borreliosis / Lyme Disease

40600	50µg	<i>Borrelia Burgdorferi</i> DbpB	41600	50µg	<i>Borrelia Burgdorferi</i> p58
40601	1.0 mg	Recombinant Expressed in <i>E. coli</i>	41601	1.0 mg	Recombinant Expressed in <i>E. coli</i>
41300	50µg	<i>Borrelia Burgdorferi</i> NapA	41700	50µg	<i>Borrelia Burgdorferi</i> p66
41301	1.0 mg	Recombinant Expressed in <i>E. coli</i>	41701	1.0 mg	Recombinant Expressed in <i>E. coli</i>
41200	50µg	<i>Borrelia Burgdorferi</i> OspA	40100	50µg	<i>Borrelia Burgdorferi</i> p100
41201	1.0 mg	Recombinant Expressed in <i>E. coli</i>	40101	1.0 mg	Recombinant Expressed in insect cells
40300	50µg	<i>Borrelia Burgdorferi</i> OspC	45700	50µg	<i>Borrelia Burgdorferi</i> VlsE1*
40301	1.0 mg	Recombinant Expressed in <i>E. coli</i>	45701	1.0 mg	Recombinant Expressed in <i>E. coli</i>
42500	50µg	<i>Borrelia Burgdorferi</i> p28	42800	50µg	<i>Borrelia Garinii</i> DbpA
42501	1.0 mg	Recombinant Expressed in <i>E. coli</i>	42801	1.0 mg	Recombinant Expressed in <i>E. coli</i>
42600	50µg	<i>Borrelia Burgdorferi</i> p30	41900	50µg	<i>Borrelia Garinii</i> OspC
42601	1.0 mg	Recombinant Expressed in <i>E. coli</i>	41901	1.0 mg	Recombinant Expressed in <i>E. coli</i>
40200	50µg	<i>Borrelia Burgdorferi</i> p41	42900	50µg	<i>Borrelia Spielmanii</i> DbpA
40201	1.0 mg	Recombinant Expressed in insect cells	42901	1.0 mg	Recombinant Expressed in <i>E. coli</i>
41500	50µg	<i>Borrelia Burgdorferi</i> p45	40800	50µg	<i>Borrelia Spielmanii</i> OspC
41501	1.0 mg	Recombinant Expressed in insect cells	40801	1.0 mg	Recombinant Expressed in <i>E. coli</i>

* US patents may apply

Serology antigens

Relapsing Fever

42400	50µg	Borrelia Miyamotoi GIpQ
42401	1.0 mg	
		Recombinant
		Expressed in <i>E. coli</i>

Erythema Infectiosum

48000	50µg	Parvovirus B19 VLP VP2
48001	1.0 mg	
		Recombinant
		Expressed in insect cells
48100	50µg	Parvovirus B19 VLP VP1/VP2 Co-Capsid
48101	1.0 mg	
		Recombinant
		Expressed in insect cells

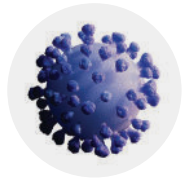
COVID-19

46000	50µg	SARS-CoV-2 Nucleocapsid (N) Protein
46001	1.0 mg	
		Recombinant
		Expressed in insect cells
46100	50µg	SARS-CoV-2 Spike (S) Glycoprotein RBD
46101	1.0 mg	
		Recombinant
		Expressed in insect cells

Autoimmune disease

Infectious Disease

Allergy



Yersiniosis

40300	50µg	Yersinia Enterocolitica (O:8) YopM	43700	50µg	Yersinia Enterocolitica (O:9) YopE
40301	1.0 mg		43701	1.0 mg	
		Recombinant			Recombinant
		Expressed in <i>E. coli</i>			Expressed in <i>E. coli</i>
43100	50µg	Yersinia Enterocolitica (O:9) LcrV	43400	50µg	Yersinia Enterocolitica (O:9) YopH
43101	1.0 mg		43401	1.0 mg	
		Recombinant			Recombinant
		Expressed in <i>E. coli</i>			Expressed in <i>E. coli</i>
43200	50µg	Yersinia Enterocolitica (O:9) YopB	43500	50µg	Yersinia Enterocolitica (O:9) YopM
43201	1.0 mg		43501	1.0 mg	
		Recombinant			Recombinant
		Expressed in insect cells			Expressed in <i>E. coli</i>
43300	50µg	Yersinia Enterocolitica (O:9) YopD	43600	50µg	Yersinia Enterocolitica (O:9) YopN
43301	1.0 mg		43601	1.0 mg	
		Recombinant			Recombinant
		Expressed in insect cells			Expressed in <i>E. coli</i>

Serology antigens

Food

52500	50µg	Ara h 1.0101	52700	50µg	Ara h 8.0101
52501	1.0mg	Arachis hypogaea	52701	1.0mg	Arachis hypogaea
		Recombinant			Recombinant
		Expressed in insect cells			Expressed in insect cells
50100	50µg	Ara h 2.0201	52000	50µg	Ara h 9.0101
50101	1.0mg	Arachis hypogaea	52001	1.0mg	Arachis hypogaea
		Recombinant			Recombinant
		Expressed in insect cells			Expressed in insect cells
52600	50µg	Ara h 3.0101	50500	50µg	Gly m 4.0101
52601	1.0mg	Arachis hypogaea	50501	1.0mg	Glycine max
		Recombinant			Recombinant
		Expressed in insect cells			Expressed in insect cells
51900	50µg	Ara h 6.0101	50600	50µg	Gly m 5.0101
51901	1.0mg	Arachis hypogaea	50601	1.0mg	Glycine max
		Recombinant			Recombinant
		Expressed in insect cells			Expressed in insect cells

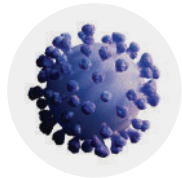
* All allergens on request



Autoimmune disease

Infectious Disease

Allergy



Food

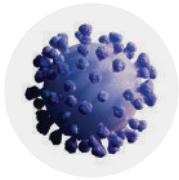
51800	50µg	Cor a 1.0401	52800	50µg	Mal d 1.0108
51801	1.0mg	Corylus avellana	52801	1.0mg	Malus domestica
		Recombinant			Recombinant
		Expressed in insect cells			Expressed in E. coli
54200	50µg	Cor a 8.0101	53100	50µg	Mal d 3.0101
54201	1.0mg	Corylus avellana	53101	1.0mg	Malus domestica
		Recombinant			Recombinant
		Expressed in insect cells			Expressed in insect cells
54300	50µg	Cor a 9 (non recombinant)	54100	50µg	Pen a 1.0101
54301	1.0mg	Corylus avellana	54101	1.0mg	Penaeus aztecus
		Non recombinant			Recombinant
		Expressed in insect cells			Expressed in insect cells
54400	50µg	Cor a 14.0101	54500	50µg	Tri a 14.0101
54401	1.0mg	Corylus avellana	54501	1.0mg	Triticum aestivum
		Recombinant			Recombinant
		Expressed in insect cells			Expressed in insect cells

Serology antigens

- Autoimmune disease
- Infectious Disease
- Allergy

Grasses

51000	50µg	Art v 1.0101	51600	50µg	Phl p 6.0101
51001	1.0mg	Artemisia vulgaris	51601	1.0mg	Phleum pratense
		Recombinant			Recombinant
		Expressed in insect cells			Expressed in insect cells
51300	50µg	Phl p 1.0102	52300	50µg	Phl p 7.0101
51301	1.0mg	Phleum pratense	52301	1.0mg	Phleum pratense
		Recombinant			Recombinant
		Expressed in insect cells			Expressed in E. coli
51400	50µg	Phl p 2.0101	52400	50µg	Phl p 12.0101
51401	1.0mg	Phleum pratense	52401	1.0mg	Phleum pratense
		Recombinant			Recombinant
		Expressed in insect cells			Expressed in insect cells
51500	50µg	Phl p 5.0203			
51501	1.0mg	Phleum pratense			
		Recombinant			
		Expressed in insect cells			



Human chimeric antibodies

Immunoassays for the detection of antibodies in patient samples require reference materials to determine cut-off values and test assay integrity. These antibodies are then included in kits as calibrators or positive controls.

Human chimeric antibodies can serve as alternatives to characterized disease state plasma, which are limited in availability, show variability, and can have safety and ethical issues.

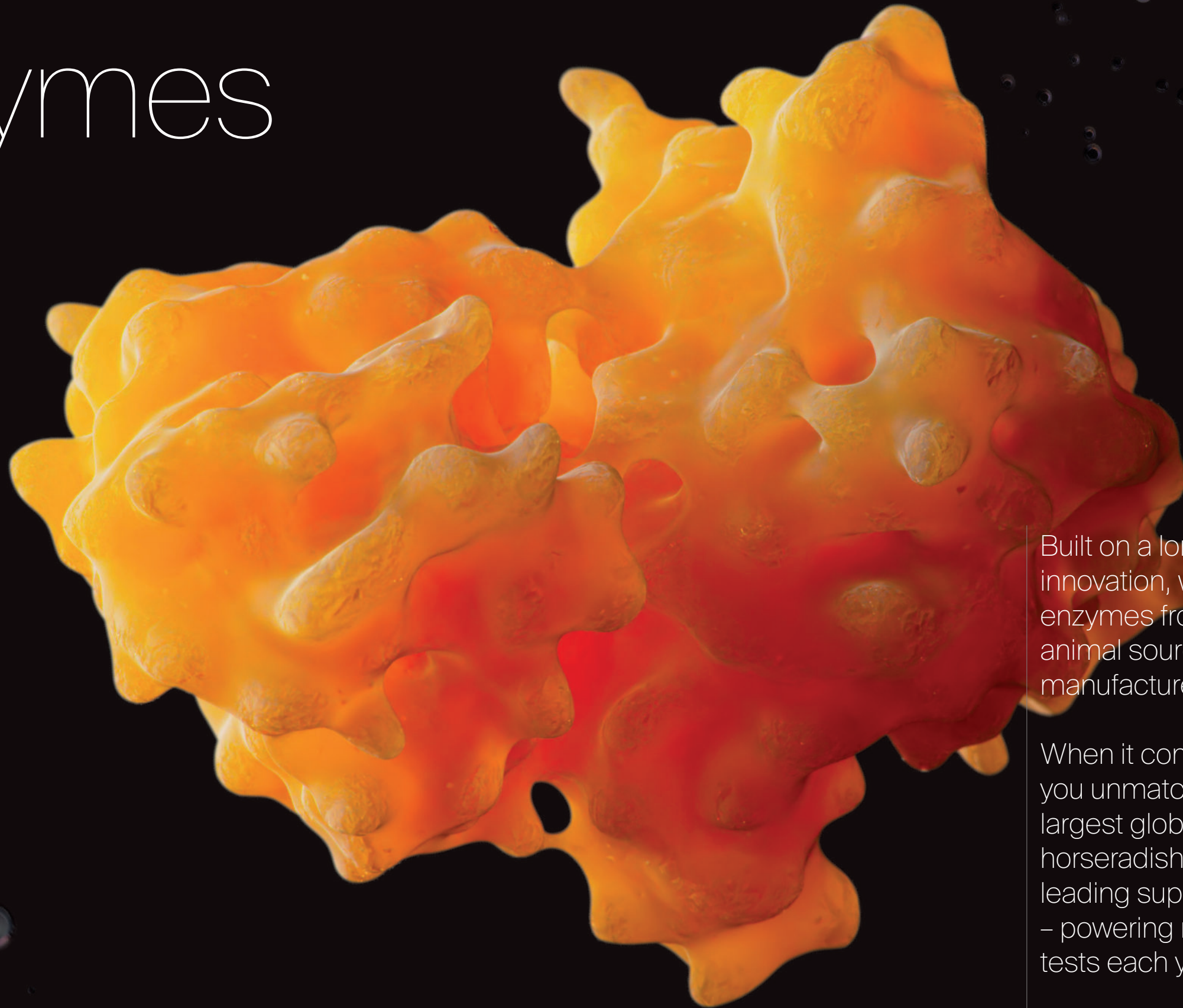
Connective Tissue Diseases

36600	50µg	PCNA humAb IgG	36900	50µg	PL-12 humAb IgG
36601	1.0 mg	Human chimeric	36901	1.0 mg	Human chimeric
37300	50µg	Jo-1 humAb IgG	36500	50µg	SRP54 humAb IgG
37301	1.0 mg	Human chimeric	36501	1.0 mg	Human chimeric
36800	50µg	PL-7 humAb IgG	36700	50µg	Mi-2 humAb IgG
36801	1.0 mg	Human chimeric	36701	1.0 mg	Human chimeric

Autoimmune Liver Diseases

36400	50µg	LKM1 humAb IgG	37200	50µg	PDC-E2 humAb IgG
36401	1.0 mg	Human chimeric	37201	1.0 mg	Human chimeric
37100	50µg	LC1 humAb IgG	37000	50µg	Sp100 humAb IgG
37101	1.0 mg	Human chimeric	37001	1.0 mg	Human chimeric
36200	50µg	SLA/LP humAb IgG			
36201	1.0 mg	Human chimeric			

Enzymes



Built on a long legacy of enzyme innovation, we extract and purify native enzymes from microbial, plant, and animal sources – and also develop and manufacture recombinant forms.

When it comes to enzymes, we offer you unmatched scale. We're the world's largest global primary manufacturer of horseradish peroxidase (HRP) and a leading supplier of glucose oxidase (GO) – powering more than five billion glucose tests each year.

If you need something we don't yet offer, our custom development team can build and scale it for you.

Enzymes

For over 70 years, our products have been trusted in medical diagnostics, healthcare, and pharmaceuticals for their effectiveness and reliability. With international manufacturing and global distribution, BBI is your ideal partner for developing enzyme-based products, serving a diverse, worldwide customer base.



Quality guaranteed, whatever your requirement

Working within an increasingly regulated marketplace, BBI is compliant with the ISO 13485:2016 Quality Standard and have the capability of following processes compliant with Current Good Manufacturing Practice (cGMP) Standards.

Key enzyme products



Horseradish Peroxidase

Horseradish peroxidase (HRP) is one of the most commonly used enzyme labels for *in vitro* diagnostic assays.

Controlled & consistent supply – BBI has close and longstanding relationships with horseradish growers to ensure year-round supply.

High Isozyme C content – our HRP product options containing >90% Isozyme C which provides exceptional purity so you can have confidence in your results.

High activity levels – we achieve up to 250-300 U/mg, providing consistent and reliable performance.

Highly available amino groups – this allows for clean conjugation.

Bulk extraction and purification capabilities – large batch sizes allow us to fulfil multiple orders from a single batch, reducing validation costs.

Alkaline Phosphatase

ALP is the other enzyme of choice for *in vitro* diagnostic assay conjugates. ALP is often used as an alternative to HRP when a more linear reaction rate is required over a wide range of values. BBI's ALPI13G is our highest specific activity product and best-selling listing. Its performance has been proven in assays manufactured by some of the largest *in vitro* diagnostic assay and IVD companies.

Highest activity on the market – we achieve > 2500 glycine U/mg protein and 7000 DEA U/mg so you can be confident in the performance of your assay.

High stability – our product experiences <10% activity lost over 48 months, ensuring reliable and consistent performance of your assay.

Multiple grades of product – BBI offer ALP in a range of specific activities, including blocking grades, which allows you to pick the best product for your specific application.

Bulk extraction and purification capabilities – large batch sizes allow us to fulfil multiple orders from a single batch, reducing validation costs.

Glucose Oxidase

BBI are the worlds leading supplier of Glucose Oxidase for biosensor applications. Our GO is tried and tested and proven to perform in over 5 billion tests every year.

High levels of activity & purity – enabling rapid test times and reducing signal interference.

Choice & flexibility – we have multiple grades and custom preparations available for specific applications to optimise your assay at reduced cost.

Batch to batch reproducibility & consistency – optimized and controlled manufacturing procedures to ensure reproducibility and consistency – essential in high volume production.

Reliable source – with an established and reliable supply chain at the volumes you require to save validation time.

Core competencies

BBI is one of the world leaders in the manufacture and supply of high purity specialist enzymes and biochemicals to the diagnostic and pharmaceutical industries.

Extensive product range
Our product portfolio incorporates specific product grades to suit numerous applications.

Custom Manufacture
We undertake bulk custom manufacture of enzymes, whilst delivering to your exact specifications within a short lead time.

Stability
We produce highly stable enzyme preparations for customers. This is achieved through the use of quality raw materials, innovative production methodologies and product formulations developed to maximise stability.

Quality
We aim to develop, manufacture and supply high quality enzymes which are consistent with the expectations and requirements of our customers and meet applicable regulatory requirements.

Enzyme
range

Product	Product Code	Activity	Source	Applications
Alkaline Phosphatase	ALPI13G	> 2500 Glycine U/mg protein	Bovine intestinal mucosa	Immunoassay
	ALPI12G	> 2000 Glycine U/mg protein	Bovine intestinal mucosa	Immunoassay
	ALPI11G	> 1800 Glycine U/mg protein	Bovine intestinal mucosa	Immunoassay
	ALPI10G	> 1600 Glycine U/mg protein	Bovine intestinal mucosa	Immunoassay
	ALPI8G	> 1400 Glycine U/mg protein	Bovine intestinal mucosa	Immunoassay
	ALPIXG	> 1000 Glycine U/mg protein	Bovine intestinal mucosa	Immunoassay
	ALPIXT	> 2000 DEA U/mg protein	Bovine intestinal mucosa	Immunoassay
	ALPI3	> 20 U/mg material	Bovine intestinal mucosa	Immunoassay
	ALPI6G	> 700 Glycine U/mg protein	Bovine intestinal mucosa	Immunoassay
	ALPI8T	> 2600 DEA U/mg protein	Bovine intestinal mucosa	Immunoassay
	ALPIS1	> 1.5 U/mg Protein	Bovine intestinal mucosa	Immunoassay
	ALPIW1	> 2 U/mg Protein	Bovine intestinal mucosa	Immunoassay
	ALPIW2	< 15 U/mg Protein	Bovine intestinal mucosa	Immunoassay
Catalase	CAT2F	> 11,700 U/mg material	Bovine Liver	Clinical Chemistry
	CATAN3F	> 4000 U/mg material	<i>Aspergillus niger</i>	Peroxide removal
Cholesterol Esterase	CE2	> 35 U/mg material	Porcine Pancreas	Biosensor/Clinical Chemistry
	CE4F	> 100 U/mg material	<i>Pseudomonas sp.</i>	Biosensor/Clinical Chemistry
Cholesterol Oxidase	CO5F	> 12 U/mg material	Microorganism	Clinical Chemistry
CO6	CO6	> 10 U/mg	Recombinant <i>Streptomyces sp</i>	Biosensor/Clinical Chemistry
Chymotrypsin	031110BBI	> 5.0 µKatal/mg	Bovine Pancreas	
Creatinase	CR1F	> 9 U/mg material	Recombinant <i>Escherichia coli</i>	Biosensor/Clinical Chemistry
Creatininase	CNN1	> 500 U/mg material	Recombinant <i>Escherichia coli</i>	Biosensor/Clinical Chemistry
Deoxyribonuclease	041160BBI	> 2500 Kunitz U/mg material	Bovine Pancreas	
Fructosyl Peptide Oxidase	FPO2	> 4 U/mg	Recombinant <i>Escherichia coli</i>	Clinical Chemistry
Glucose-6-Phosphate Dehydrogenase	G6PDH	>200 U/mg material	Recombinant <i>Escherichia coli</i>	Clinical Chemistry
Glucose Dehydrogenase	GLD1	> 625 U/mg material	Microorganism	Biosensor/Clinical Chemistry
	GLD3	> 300 U/mg material	Microorganism	Biosensor/Clinical Chemistry
	GLD4	>300 U/mg material	Microorganism	Biosensor/Clinical Chemistry



Product	Product Code	Activity	Source	Applications
Glucose Oxidase	GO2BS	> 180 U/mg material	<i>Aspergillus niger</i>	Biosensor/Clinical Chemistry/Urine Test Strips
	GO3A	~ 360 U/mg protein	<i>Aspergillus niger</i>	Biosensor/Clinical Chemistry
	GO3B2	~ 360 U/mg protein	<i>Aspergillus niger</i>	Biosensor/Clinical Chemistry/Urine Test Strips
	GO3B3	~ 360 U/mg protein	<i>Aspergillus niger</i>	Biosensor/Clinical Chemistry
Glutamate Dehydrogenase	GDHB3	> 40 U/mg Protein	Bovine Liver	Clinical Chemistry
	GDHB5	> 40 U/mg Protein	Bovine Liver	Clinical Chemistry
	GDHB5G	> 40 U/mg Protein	Bovine Liver	Clinical Chemistry
Heparinase I	50-010	0.5 IU/vial, Liquid (Frozen)		Hemostasis
	50-010-001	0.1 IU/vial, Liquid (Frozen)		Hemostasis
	60-010	0.5 IU/vial, Lyophilized		Hemostasis
	60-012	2 IU/vial, Lyophilized		Hemostasis
	60-014	10 IU/vial, Lyophilized		Hemostasis
	60-017	100 IU/vial, Lyophilized		Hemostasis
Heparinase II	50-011	0.5 IU/vial, Liquid (Frozen)		Hemostasis
	50-011-001	0.1 IU/vial, Liquid (Frozen)		Hemostasis
	60-018	0.5 IU/vial, Lyophilized		Hemostasis
Heparinase III	50-012	0.5 IU/vial, Liquid (Frozen)		Hemostasis
	50-012-001	0.1 IU/vial, Liquid (Frozen)		Hemostasis
	60-020	0.5 IU/vial, Lyophilized		Hemostasis
Hexokinase	HK1	>100 U/mg material	Recombinant <i>Escherichia coli</i>	Clinical Chemistry
Hyaluronidase	081239BBI	> 400 U/mg material	Ovine testes	
	081240BBI	> 500 U/mg material	Bovine testes	
	081245BBI	> 350 U/mg material	Bovine testes	
	081246BBI	> 1000 U/mg material	Bovine testes	
D-3-Hydroxybutyrate Dehydrogenase (HBDH)	rHBDH	>=400 U/mg material	Recombinant <i>Escherichia coli</i>	Biosensor/ Clinical Chemistry
Intrinsic Factor	IF1	> 95% purity	Porcine stomach pyloric section	Clinical Chemistry
Lactate Dehydrogenase	LDHP2	> 300 U/mg Protein	Porcine Heart	Clinical Chemistry
	LDHP2FS	> 250 U/mg Protein	Porcine Heart	Clinical Chemistry
Malate Dehydrogenase	MDHP3	> 1500 U/mg Protein	Porcine Heart	Clinical Chemistry
	MDHP3F	> 1500 U/mg Protein	Porcine Heart	Clinical Chemistry
	MDHP3G	> 1500 U/mg Protein	Porcine Heart	Clinical Chemistry

Enzyme range

Product	Product Code	Activity	Rz	Isozyme	Source	Applications
Pepsin	PEP2	> 2500 U/mg material			Porcine stomach mucosa	Protein hydrolysis
Peroxidase	161451BBI	> 250 Pyrogallol U/mg	> 3		Horseradish Roots	Immunoassay/ Clinical Chemistry
	161453BBI	> 100 Pyrogallol U/mg material	> 1		Horseradish Roots	Clinical Chemistry/ Urine Test Strips
	161455BBI	> 60 Pyrogallol U/mg material	> 0.6		Horseradish Roots	Clinical Chemistry
	161457BBI	> 200 Pyrogallol U/mg material	2-4		Horseradish Roots	Clinical Chemistry/ Urine Test Strips
	161470BBI	> 150 U/mg material	>1.5		Horseradish Roots	Clinical Chemistry
	APO/HRP4C	< 1 U/mg material)	> 0.05		Horseradish Roots	Immunoassay
	CAPO/HRP4C	< 0.25 U/mg material	< 0.05		Horseradish Roots	Immunoassay
	HRP3C	> 150 U/mg material	> 2		Horseradish Roots	Clinical Chemistry
	HRP4	> 250 U/mg material	> 3		Horseradish Roots	Immunoassay
	HRP4B	> 250 U/mg material	> 3	> 90%	Horseradish Roots	Immunoassay
	HRP4C	> 250 U/mg material	> 3		Horseradish Roots	Clinical Chemistry
	HRP5	> 75 U/mg material	~ 3.5		Horseradish Roots	Immunoassay
Porcine Liver Esterase	PLE1F	> 75 U/mg material			Porcine Liver	Urine Test Strips
Ribonuclease	181515BBI	> 100 U/mg material			Bovine pancreas	Molecular Biology
	RN1	> 70 U/mg material			Bovine pancreas	Molecular Biology
	RN1F	> 70 U/mg material			Bovine pancreas	Molecular Biology
	RN2	> 70 U/mg material			Bovine pancreas	Molecular Biology
	RN3	~ 90 U/mg			Bovine pancreas	Molecular Biology
Sarcosine Oxidase	SO2F	> 20 U/mg material			Recombinant <i>Escherichia coli</i>	Biosensor/Clinical Chemistry
	SO3	>20 U/mg			Recombinant <i>Escherichia coli</i>	Clinical Chemistry
Superoxide Dismutase	SOD2	> 3000 U/mg material			Porcine stomach mucosa	
Trypsin	201553BBI	> 2500 U/mg material			Bovine Pancreas	Cell culture
	rTRY1					Liquid; Cell culture
	rTRY2					Lyophilized; Cell culture
Trypsin Inhibitor	SOY1	> 7000 BAEE U/mg material			Soybean	
	SOY2	> 10,000 BAEE U/mg material			Soybean	
Urease	URE2	> 220 Nessler U/mg material			Jack Bean	Biosensor/Clinical Chemistry
	URE3	> 1300 Nessler U/mg protein			Jack Bean	Biosensor/Clinical Chemistry
Uricase	U5	> 4 U/mg material			Recombinant <i>Escherichia coli</i>	Biosensor/Clinical Chemistry

Custom development & manufacture of enzymes



In case BBI's off-the-shelf products do not meet your requirements, we offer a custom development and manufacturing service for enzymes.



- Feasibility**
- Small scale purification
 - Critical process parameters gained



- Development**
- Process optimization
 - Intermediate scale-up



- Verification**
- Routine protein analysis
 - Enzymes assays
 - Protein determinations
 - Analytical chromatography
 - SDS page
 - Isoelectric focusing
 - Develop protocols to ensure optimized yields



- Validation**
- Established manufacturing/testing processes
 - Consistent conformance to product specification



BBI capabilities

Specialists in sourcing and extraction of animal and plant products – we have extensive experience in sourcing raw materials worldwide

Salt/solvent fractionation – batch sizes of up to 5,000 litres

Chromatography – ion exchange chromatography, affinity chromatography, size exclusion chromatography, hydrophobic interaction chromatography

Crystallization – highly effective protein purification using solvent and aqueous media

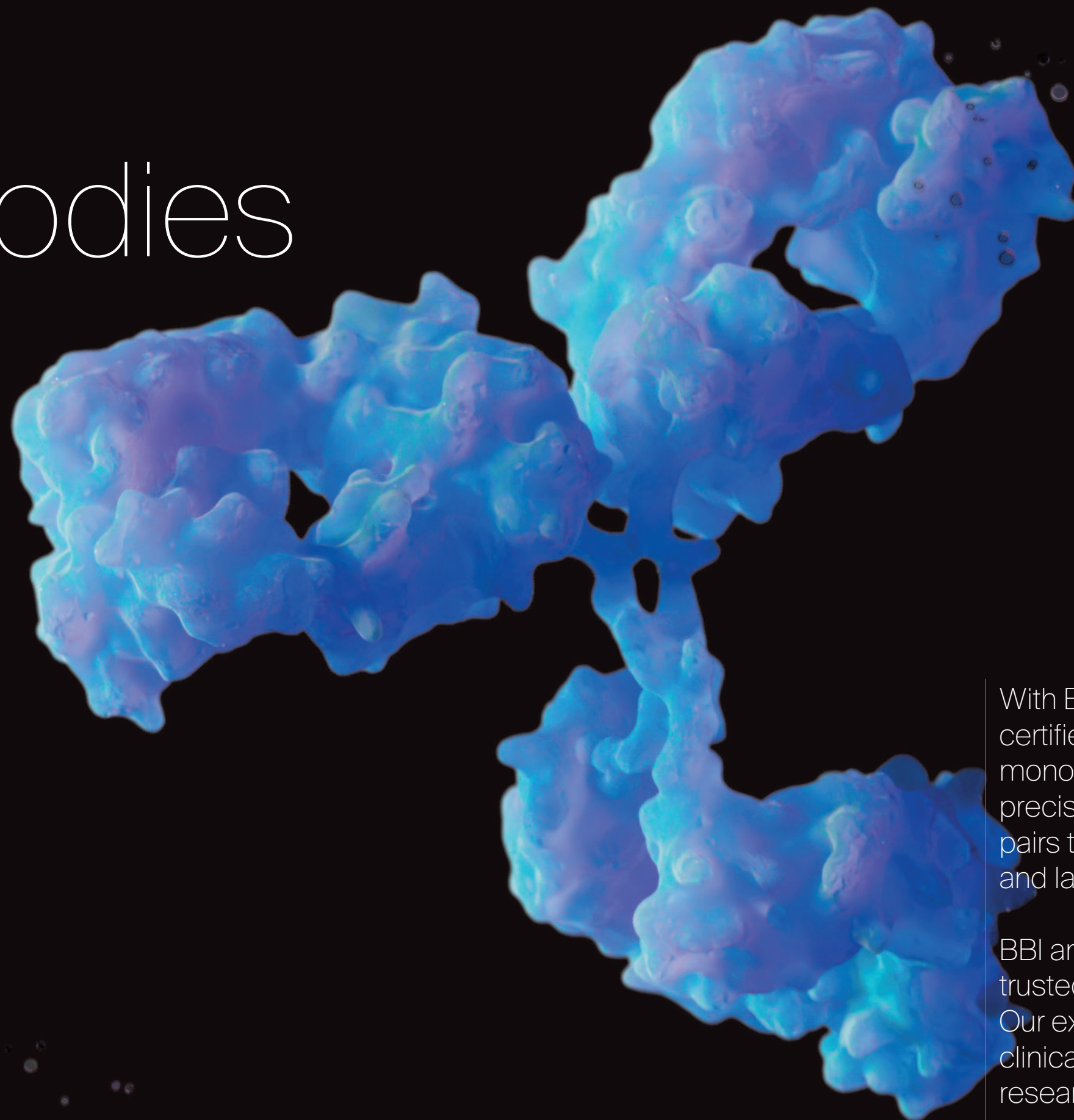
Freeze drying – capability of 49 - 420 litres per cycle

Ultrafiltration – volumes of 2,500 - 30,000 litres

Quality control – in-process analysis and monitoring, development of assay/test procedures

Product handling/sampling – we offer special packing according to customer specifications

Antibodies



With BBI, you get a single, ISO 13485 certified partner for high-specificity monoclonals, robust polyclonals, and precision-matched capture-detector pairs that are used in leading ELISA and lateral flow tests.

BBI antibodies are tried, tested and trusted by leading laboratories globally. Our extensive portfolio covers major clinical areas and can be supplied in research or bulk volumes. Whether you need milligram or gram quantities, BBI delivers the sensitivity, specificity and documentation required for your area of focus.

Monoclonal antibodies

Anti-Human Ig - unconjugated

Product description	Product code	Target	Application
Human IgA Monoclonal Antibody	MAB217P	IgA	ELISA
Human Immunoglobulin ε (hu-IgE) Monoclonal Antibody	MAB114P	IgE	ELISA
Human IgE Monoclonal Antibody	MAB324P	IgE	ELISA
Human IgE Monoclonal Antibody	MAB325P	IgE	ELISA
Human IgG Heavy Chain Monoclonal Antibody	MAB142P	IgG	ELISA / IHC / WB
Monoclonal to Human IgG1 Monoclonal Antibody	MAB146P	IgG1	ELISA
Human IgG4 Fc Monoclonal Antibody	MAB154P	IgG4	ELISA / IHC / WB
Human IgG Fc Monoclonal Antibody	MAB218P	IgG	ELISA
Human IgG2 Monoclonal Antibody	MAB220P	IgG2	ELISA
Human IgG3 Monoclonal Antibody	MAB221P	IgG3	ELISA
Human IgM Monoclonal Antibody	MAB216P	IgM	ELISA
Human Ig Kappa Light Chain Monoclonal Antibody	MAB199P	Kappa	ELISA / WB
Human Ig Lambda Light Chain Monoclonal Antibody	MAB219P	Lambda	ELISA / WB

Anti-Tag Antibodies - unconjugated (controls)

Product description	Product code	Target	Application
His-tag	MAB230P	His	ELISA / WB
Polyethylene glycol (PEG)	MAB206P	PEG	ELISA
Goat Anti Biotin IgG, unconjugated Polyclonal Antibody	BP436-3	Biotin	



Tumor Markers

Product description	Product code	Target	Application	Capture / Detector
Human Osteopontin Monoclonal Antibody	MAB222P	OPN	ELISA	Capture / Detector Can be paired with MAB193P
Human Osteopontin, C-terminal Monoclonal Antibody	MAB197P	OPN	ELISA / WB	Capture / Detector Can be paired with MAB193P
Human Osteopontin, N-terminal Monoclonal Antibody	MAB193P	OPN	ELISA / WB	Capture / Detector Can be paired with MAB222P
Human Osteopontin, N-terminal Monoclonal Antibody	MAB194P	OPN	ELISA / WB	Capture / Detector Can be paired with MAB222P
CA15-3 Monoclonal Antibody	BM236-K6A5	CA15-3	ELISA / WB	Detector
CA15-3 Monoclonal Antibody	BM236-V2G9	CA15-3	ELISA / WB	Capture Can be paired with BM236-K6A5
CA19-9 Monoclonal Antibody	BM238-G6C8	CA19-9	ELISA / WB	Capture
Free PSA Monoclonal Antibody	MAB296P	PSA	ELISA	Capture
PSA Monoclonal Antibody	MAB291P	PSA	ELISA	Capture / Detector Can be paired with MAB292P
PSA Monoclonal Antibody	MAB292P	PSA	ELISA	Capture / Detector Can be paired with MAB291P
IGFBP3 Monoclonal Antibody	BM396-P6F9	IGFBP3	ELISA	Capture Can be paired with BM396-V3C7
IGFBP3 Monoclonal Antibody	BM396-V3C7	IGFBP3	ELISA	Detector Can be paired with BM396-P6F9



Monoclonal antibodies



Cardiac, Vascular & Diabetes Markers

Product description	Product code	Category	Application	Capture / Detector
Human Myeloperoxidase Monoclonal Antibody	MAB208P	Cardiac	ELISA	Capture Can be paired with MAB209P
Human Myeloperoxidase Monoclonal Antibody	MAB209P	Cardiac	ELISA	Detector Can be paired with MAB208P. MAB209 is also self-pairing.
Troponin I Monoclonal Antibody	MAB283P	Cardiac	ELISA	Detector
Troponin T Monoclonal Antibody	BM508-1D3	Cardiac	ELISA	Capture Can be paired with BM508-3D3
Troponin T Monoclonal Antibody	BM508-3D3	Cardiac	ELISA	Detector Can be paired with BM508-1D3
D Dimer Monoclonal Antibody (clone 3B6)	MAB341P	Cardiac	ELISA / LF / WB	ELISA = Detector, LF = Detector Can be paired with MAB323P
D-Dimer Monoclonal Antibody	MAB284P	Cardiac	ELISA	Detector Can be paired with MAB285P
D-Dimer Monoclonal Antibody	MAB285P	Cardiac	ELISA	Capture Can be paired with MAB284P
D-Dimer Monoclonal Antibody	MAB323P	Cardiac	ELISA / LF / WB	ELISA = Detector, LF = Detector Can be paired with MAB341P
Fibroblast Growth Factor 21 Monoclonal Antibody	BM504-5D5		ELISA	Capture Can be paired with BM504-9F5
Fibroblast Growth Factor 21 Monoclonal Antibody	BM504-9F5		ELISA	Detector Can be paired with BM504-5D5
Human Galectin 3 Monoclonal Antibody	BM451-K7H2	Cardiac	ELISA / WB	Detector Can be paired with BM451-N8E8
Human Galectin 3 Monoclonal Antibody	BM451-N8E8	Cardiac	ELISA / WB	Capture Can be paired with BM451-K7H2 or BM451-V7G5
Human Galectin 3 Monoclonal Antibody	BM451-V7G5	Cardiac	ELISA / WB	Detector Can be paired with BM451-N8E8
Human NT-proBNP Monoclonal Ab	BM449-P2F6	Cardiac		
Human NT-proBNP Monoclonal Ab	BM449-S2E1	Cardiac		
HbA1c Monoclonal Antibody	BM300-H2E2	Diabetes		
Haemoglobin Monoclonal Antibody	BM302-S6B9	Vascular		
Insulin-like Growth Factor-Binding Protein Monoclonal Antibody	BM503-5B9		ELISA	Capture Can be paired with BM503-5C3
Insulin-like Growth Factor-Binding Protein Monoclonal Antibody	BM503-5C3		ELISA	Detector Can be paired with BM503-5B9

Hormonal Markers

Product description	Product code	Category	Application	Capture / Detector
Cortisol Monoclonal Antibody	MAB215P	Metabolism	ELISA	
ACTH Monoclonal Antibody	BM445-S5B2	Metabolism		
Parathyroid Hormone Monoclonal Antibody	BM361-E4H3	Metabolism	ELISA	Detector
Human Chorionic Gonadotropin- Beta (hCG-Beta) Monoclonal Antibody	MAB106P	Pregnancy	ELISA / WB	
Human Chorionic Gonadotropin- Beta (hCG-Beta) Monoclonal Antibody	MAB107P	Pregnancy	ELISA	
Human Chorionic Gonadotropin- Intact (hCG) Monoclonal Antibody	MAB105P	Pregnancy	ELISA / WB	
Human Prolactin Monoclonal Antibody	MAB121P	Pregnancy	ELISA	
Human Prolactin Monoclonal Antibody	MAB122P	Pregnancy	ELISA	
Progesterone Monoclonal Antibody	MAB234P	Pregnancy	ELISA (competitive)	
Progesterone Monoclonal Antibody	MAB235P	Pregnancy	ELISA (competitive)	
Progesterone Monoclonal Antibody	MAB286P	Pregnancy	ELISA (competitive)	
AMH Monoclonal Antibody	BM459-P2B4	Pregnancy	CLIA / ELISA / LF	Capture Can be paired with BM459-S4E8
AMH Monoclonal Antibody	BM459-S4E8	Pregnancy	CLIA / ELISA / LF	Detector Can be paired with BM459-P2B4
3,5,3'-Triiodothyronine (T3) Monoclonal Antibody	MAB124P	Thyroid	ELISA (competitive)	
Human Thyroid-Stimulating Hormone Alpha (hTSH-α) Monoclonal Antibody	MAB132P	Thyroid	ELISA	Capture / Detector
Human Thyroid-Stimulating Hormone-Beta (hTSH-β) Monoclonal Antibody	MAB128P	Thyroid	ELISA	Detector
Human Thyroid-Stimulating Hormone-Beta (hTSH-β) Monoclonal Antibody	MAB130P	Thyroid	ELISA	Capture / Detector
T3 Monoclonal Antibody	BM440-P3H6	Thyroid	ELISA	Capture

Monoclonal antibodies

Infectious Disease & Biothreat Infectious Antibodies

Product description	Product code	Category	Application	Capture / Detector
Adenovirus Monoclonal Antibody	MAB604P	Adenoviral infections	ELISA / IFA / LF / WB	Capture Can be paired with MAB605P
Adenovirus Monoclonal Antibody	MAB605P	Adenoviral infections	ELISA / IFA / LF / WB	Detector Can be paired with MAB604P
Bacillus Anthracis Monoclonal Antibody	BBIO08	Biothreat infectious	ELISA / LF	
Burkholderia Monoclonal Antibody	BBI158	Biothreat infectious	ELISA / LF	
Yersinia Pestis Monoclonal Antibody	BBI190	Biothreat infectious	ELISA / LF	
Brucella Monoclonal Antibody	BBIO63	Biothreat infectious	ELISA / LF	
Brucella Monoclonal Antibody	BBIO71	Biothreat infectious	ELISA / LF	
Anti-Burkholderia Mouse Monoclonal Antibody	BBI159	Biothreat infectious	ELISA / LF	
Coxiella Monoclonal Antibody	BBI160	Biothreat infectious		
Coxiella Monoclonal Antibody	BBI162	Biothreat infectious		
Coxiella Monoclonal Antibody	BBI163	Biothreat infectious		
Coxiella Monoclonal Antibody	BBI214	Biothreat infectious	ELISA / LF	
Chikungunya Virus Monoclonal Antibody	MAB243P	Chikungunya	ELISA / WB	
Chikungunya Virus Monoclonal Antibody	MAB244P	Chikungunya	ELISA / WB	
Chikungunya Virus Monoclonal Antibody	MAB245P	Chikungunya	ELISA	
Dengue NS1 Monoclonal Antibody	MAB320P	Dengue fever		
Dengue NS1 Monoclonal Antibody	MAB321P	Dengue fever		
Dengue NS1 Monoclonal Antibody	MAB322P	Dengue fever		
Influenza A Monoclonal Antibody	BM500-5A4	Infectious Disease Antibody		
Influenza A Monoclonal Antibody	BM500-8F8	Infectious Disease Antibody		
Influenza B Monoclonal Antibody	BM501-1A2	Infectious Disease Antibody		
Influenza A/B Monoclonal Antibody	BM501-25F4	Infectious Disease Antibody		



Infectious Disease & Biothreat Infectious Antibodies

Product description	Product code	Category	Application	Capture / Detector
NS1 (Dengue) Monoclonal Antibody	BM339-P6C6	Dengue fever	LF	Capture / Detector Can be paired with BM339-T3H2
NS1 (Dengue) Subtype 2 Monoclonal Antibody	BM339-T3H2	Dengue fever	LF	Capture / Detector Can be paired with BM339-P6C6
Ebola Zaire Monoclonal Antibody	BM431-V1D1	Ebola	LF / WB	
Ebola Zaire Monoclonal Antibody	BM431-M4B1	Ebola		
Helicobacter Pylori Monoclonal Antibody	MAB807P	Gastrointestinal infections	ELISA	Capture / Detector (self-pairing)
Norovirus Monoclonal Antibody	MAB224P	Gastrointestinal infections	ELISA	
Norovirus Monoclonal Antibody	MAB225P	Gastrointestinal infections	ELISA	
Norovirus Monoclonal Antibody	MAB226P	Gastrointestinal infections	ELISA	
Norovirus Monoclonal Antibody	MAB227P	Gastrointestinal infections	ELISA	
Norovirus Monoclonal Antibody	MAB228P	Gastrointestinal infections	ELISA	
Norovirus Monoclonal Antibody	MAB242P	Gastrointestinal infections	ELISA	
Rotavirus Monoclonal Antibody	MAB606P	Gastrointestinal infections	ELISA / WB	Capture / Detector (self-pairing)
C.difficile GDH Monoclonal Antibody	MAB294P	Gastrointestinal infections	ELISA	Capture Can be paired with MAB295P
C.difficile GDH Monoclonal Antibody	MAB295P	Gastrointestinal infections	ELISA	Detector Can be paired with MAB294P
Norovirus Monoclonal Antibody	BM349-G1G1	Gastrointestinal infections	LF	Capture
Norovirus Monoclonal Antibody	BM349-H1C3	Gastrointestinal infections	LF	Capture

Monoclonal antibodies



Infectious Disease & Biothreat Infectious Antibodies

Product description	Product code	Category	Application	Capture / Detector
Norovirus Monoclonal Antibody	MAB287P	Gastrointestinal infections	ELISA	
Norovirus Monoclonal Antibody	MAB288P	Gastrointestinal infections	ELISA	
Norovirus Monoclonal Antibody	MAB289P	Gastrointestinal infections	ELISA	
Toxin A (<i>C. difficile</i>) Monoclonal Antibody	BM346-E4B9	Gastrointestinal infections		
Toxin B (<i>C. difficile</i>) Monoclonal Antibody	BM347-N4A8	Gastrointestinal infections	ELISA / LF / WB	Capture Can be paired with BM347-T4G1
Toxin B (<i>C. difficile</i>) Monoclonal Antibody	BM347-T4G1	Gastrointestinal infections	ELISA / LF / WB	Detector
Human Immunodeficiency Virus p24 protein Monoclonal Antibody	MAB246P	HIV/AIDS	ELISA / LF	Detector Can be paired with MAB249P
Human Immunodeficiency Virus p24 protein Monoclonal Antibody	MAB247P	HIV/AIDS	ELISA	Capture / Detector Can be paired with MAB249P or MAB248P
Human Immunodeficiency Virus p24 protein Monoclonal Antibody	MAB248P	HIV/AIDS	ELISA / LF	Detector Can be paired with MAB247P
Human Immunodeficiency Virus p24 protein Monoclonal Antibody	MAB249P	HIV/AIDS	ELISA / LF	Capture Can be paired with MAB246P or MAB247P
Listeria Monoclonal Antibody	BM401-K4H9	Listeriosis	LF	
Listeria Monoclonal Antibody	BM401-T7B6	Listeriosis	LF	Capture

Infectious Disease & Biothreat Infectious Antibodies

Product description	Product code	Category	Application	Capture / Detector
Respiratory Syncytial Virus Monoclonal Antibody	MAB602P	Respiratory infections	ELISA / IFA / LF / WB	Capture / Detector Can be paired with MAB603P
Respiratory Syncytial Virus Monoclonal Antibody	MAB603P	Respiratory infections	ELISA / IFA / LF / WB	Capture / Detector Can be paired with MAB602P
Streptococcus Group A Rabbit Monoclonal Antibody	MAB887P	Scarlet fever	ELISA	Capture / Detector (self-pairing)
Streptococcus equi subsp. equi Monoclonal Antibody	MAB212P	Veterinary	ELISA	Capture / Detector Can be paired with MAB211P
Streptococcus equi subsp. equi Monoclonal Antibody	MAB211P	Veterinary	ELISA	Capture / Detector Can be paired with MAB212P
Zika NS1 Monoclonal Antibody	MAB315P	Zika fever	ELISA	Capture
Zika NS1 Monoclonal Antibody	MAB318P	Zika fever	ELISA	Detector
Zika NS1 Monoclonal Antibody	MAB319P	Zika fever	ELISA	Detector

Monoclonal antibodies

Inflammation Markers

Product description	Product code	Application	Capture / Detector
Ferritin Monoclonal Antibody	BM210-P3A8	ELISA	Detector
Rabbit Ferritin Polyclonal Antibody	BP230-3		
Ferritin Monoclonal Antibody	MAB290P	ELISA	Capture / Detector (self-pairing)
Presepsin Monoclonal Antibody	BM507-1H9	ELISA	Capture Can be paired with BM507-5D8
Presepsin Monoclonal Antibody	BM507-1H9	ELISA	Capture Can be paired with BM507-5D8
Procalcitonin Monoclonal Antibody	BM507-5D8	ELISA	Detector Can be paired with BM507-1H9
Procalcitonin Monoclonal Antibody	BM448-V4A1	ELISA	Capture / Detector Can be paired with BM448-K8C7 and BM448-H9F1
Procalcitonin Monoclonal Antibody	BM448-12C5	ELISA	Capture Can be paired with BM507-5D8
Procalcitonin Monoclonal Antibody	BM448-19D8	ELISA	Detector Can be paired with BM448-12C5
CRP Monoclonal Antibody	MAB326P	ELISA / LF	Self-pairing or can be paired with MAB327P
CRP Monoclonal Antibody	MAB327P	ELISA / LF	Can be paired with MAB326P as capture or detector
Human Lactoferrin Monoclonal Antibody	MAB232P	ELISA	Capture / Detector Can be paired with MAB233P
Human Lactoferrin Monoclonal Antibody	MAB233P	ELISA	Capture / Detector Can be paired with MAB232P
IL-6 Monoclonal Antibody	MAB342P	ELISA / LF / CLIA	Capture / Detector Can be paired with MAB343P
IL-6 Monoclonal Antibody	MAB343P	ELISA / LF / CLIA	Capture / Detector Can be paired with MAB342P

Renal Markers

Product description	Product code	Application	Capture / Detector
Cystatin C Monoclonal Antibody	BM505-1G11	ELISA	Capture. Can be paired with BM505-3B2
Cystatin C Monoclonal Antibody	BM505-3B2	ELISA	Detector. Can be paired with BM505-1G11
HBA1c Monoclonal Antibody	BM502-2G5	ELISA	Capture. Can be paired with BM502-3F3
HBA1c Monoclonal Antibody	BM502-3F3	ELISA	Detector. Can be paired with BM502-2G5
Renin Monoclonal Antibody	BM438-K9C2		
Renin Monoclonal Antibody	BM438-S4D2		
Neutrophil Gelatinase-Associated Lipocalin	BM506-5B12	ELISA	Capture. Can be paired with BM506-6D1
Neutrophil Gelatinase-Associated Lipocalin	BM506-6D1	ELISA	Detector. Can be paired with BM506-5B12

Explosives/Biothreat

Product description	Product code	Category	Application	Capture /Detector
PETN Monoclonal Antibody	EW75A	Explosives	ELISA / LF	
Anti-RDX Mouse Monoclonal Antibody	EW75B	Explosives	ELISA / LF	
Anti-TNT Mouse Monoclonal Antibody	EW75C	Explosives	ELISA / LF	

Antibody development



BBI offers expert partnership in the development of monoclonal, or polyclonal development and production of antibodies.

An industry-leading advantage, 'MultiPure' allows customers to see assay performance data eight weeks sooner than typical developments and use that data to inform clone selection.



Development & production

- Monoclonal antibody development
- Polyclonal antibody development
- In-vitro antibody production

Purification

- Protein A purification
- Protein G purification

Characterization

- ELISA
- Western Blot
- SDS-PAGE
- Isoelectric Focusing (IEF)
- Endotoxin testing
- Matched pair evaluation
- SEC
- Cellular imaging
- Immunohistochemistry (IHC)

Feasibility

- 

Antigen analysis
Option to receive a custom report, prepared by an immunologist, to identify the right antigen strategy for any goal.
- 

Detailed project plan
Identify goals, reagents, screening strategies and set contingency plans to ensure timely development.
- 

MultiPure
Generate up to 1 mg of discovery-grade purified antibodies from fusion candidates during hybridoma development to select clones based on end use performance.
- 

Characterization assays
Characterize antibody candidates beyond standard indirect ELISA screening, so that only the right antibodies go to subcloning.
- 

Technical support
Hands-on support from project managers, technical sales team and immunology experts at every project milestone.

Our preferred partner – offering the full service solution to our customers.

BioAgilytix - Pharma

BioAgilytix is the trusted partner for bioanalytical services throughout every phase of the drug development process. As a leading global bioanalytical laboratory, the company provides established and emerging pharmaceutical and biotechnology organizations with pharmacokinetic (PK), immunogenicity, biomarker, and CMC bioanalytical testing services in a GxP environment. BioAgilytix maintains state-of-the-art laboratories in Durham, North Carolina; Boston, Massachusetts; San Diego, California; Melbourne and Brisbane, Australia; and Hamburg, Germany.

For more information, please visit: www.bioagilytix.com

Antibody development

Accelerate timelines

Timely development is a high priority for most antibody development customers. With thorough project planning, rapid immunization protocol (RIMMS), and efficient data analysis at every project milestone, we work together with you to accelerate project timelines. When goals change during the course of development, excellent planning and communication allow BBI to be agile in making decisions and change the pathway to allow a project to remain on track, meet new goals, and get the right result more quickly.

A typical project plan*

	1-2 WEEKS	4 WEEKS		2-3 MONTHS		6-8 WEEKS	1-2 WEEKS
Phase	Planning	Immunisation	Fusion	General discovery reagents	Advanced screening	Subcloning & productions	Monoclonal assays
Activity	Antigen review Project planning	RIMMS protocol Serum screening	Primary screening Scale-up and cryopreservation of fusion product selections Secondary screening	MultiPure technology offers novel early access to purified samples	Matched pair evolution Blocking assays Matrix evaluation	Top-ranked fusion products subcloned Monoclonal cell line cryopreservation cGMP <i>in vitro</i> production	Analytical characterisation of antibody(s) Fit-for-use performance evaluation
Deliverables	- Antigen analysis report - Project plan	- Serum titre data - Boosting strategy (if needed)	- Screening data - Banked cryo-vitals - Supernatant	- Discovery-scale purified antibody - Biotin-labelled conjugates (optional)	- Advanced screening report - Subcloning candidates identified	- Screening data - Assessment of stability - Pilot production recommendations	- Screening data - Assessment of stability - Performance characterisation report summary

* Representative



What you can expect from BBI

Advanced screening capabilities

MultiPure allows customers to select clones based on specificity, sensitivity, matched pair compatibility, matrix compatibility, diversity and native recognition.

ISO13485:2016 manufacturing standards

Our ISO13485:2016 certified *in vitro* antibody manufacturing and custom production options to secure long-term supply management.

Knowledge and experience

Our antibody technical team brings over 30 years of deep expertise in immunology, antibody and immunoassay development to every project.

Unparalleled customer communication

Customers are informed at all project stages of the data and analysis they need to make goal-driven decisions.



Serum & plasma

Whether you need a clean base for calibrators or a disease-state pool for positive controls, our ethically sourced human serum and plasma come from one of our ISO 13485-certified facilities, licensed to store human tissue by the UK Human Tissue Authority.

Off-the-shelf formats include normal pools, vitamin-D-depleted serum and other analyte-adjusted matrices, alongside selected high-titre disease-state units – each qualified for IVD use and produced under controls designed to deliver consistent performance.

Need something bespoke?

Our technical team can source, characterize and prepare custom matrices – right down to the analyte profile and your specified fill volumes – to fit your workflow.

Serum & plasma

Disease State Serum

Product code	Product description	Category	Disease	Matrix available	Source
SH285-2	First Trimester Pregnancy Serum			Off-clot Serum	Europe
SH284-2	Third Trimester Pregnancy Serum			Off-clot Serum	Europe
SH252-9	Synthetic Rubella IgM Serum	Infectious Disease	TORCH	Spiked defibrinated Plasma	Europe

Analyte Depleted Serum

Product code	Product description	Category
SF236-7	Steroid-Depleted Processed Serum	Hormones
SF518-7A	Testosterone-Depleted Serum	Hormones
SF231-7	T3/T4-Depleted Processed Serum	Hormones
SF142-7	Immunoglobulin G-Depleted Processed Serum	Immunoglobulin
SF505-2	Immunoglobulins-Depleted Serum	Immunoglobulin
SF504-7A	Vitamin D-Depleted Processed Serum	Vitamins

Custom options and development products available.
Examples include Iron-Depleted, Insulin-Depleted, Ferritin-Depleted, Hormone-Depleted, TSH/T3/T4-Depleted.

Gold nanoparticles & conjugates

05

We have been supplying high quality gold nanoparticles and fully optimized gold conjugates for over 30 years, enabling the development of robust, reliable assays and consistent results time after time. Providing a uniform shape and standard size, with a CV of <8%, our gold colloid is available in a variety of sizes from 20nm - 250nm with batch volumes ranging up to 350L.

Gold nanoparticles & conjugates



Gold Starter Packs

Product	Product code	Quantity
Gold Colloid 20nm / 40nm / 60nm / 80nm	GCIKITDIAG/4	20ml
Gold Colloid 20nm / 40nm / 60nm / 80nm	GCIKITDIAG/7	100ml
Gold Colloid 5nm / 10nm / 20nm / 40nm	GCIKITLIFE/4	20ml

Gold Colloids (Gold Nanoparticles)

Product description	Product code	Pack size in ml	Particle size in nm	Grade	Gold particle size
Gold Colloid 5nm 20ml	EM.GC5/4	20	5	EM	5nm Gold Nanoparticles
Gold Colloid 5nm 100ml	EM.GC5/7	100	5	EM	
Gold Colloid 5nm 1000ml	EM.GC5/1L	1000	5	EM	
Gold Colloid 10nm 20ml	EM.GC10/4	20	10	EM	10nm Gold Nanoparticles
Gold Colloid 10nm 100ml	EM.GC10/7	100	10	EM	
Gold Colloid 10nm 1L	EM.GC10/1L	1000	10	EM	
Gold Colloid 15nm 20ml	EM.GC15/4	20	15	EM	15nm Gold Nanoparticles
Gold Colloid 15nm 100ml	EM.GC15/7	100	15	EM	
Gold Colloid 15nm 1L	EM.GC15/1L	1000	15	EM	
Gold Colloid 20nm 20ml	EM.GC20/4	20	20	EM	20nm Gold Nanoparticles
Gold Colloid 20nm 100ml	EM.GC20/7	100	20	EM	
Gold Colloid 20nm 1L	EM.GC20/1L	1000	20	EM	
Gold Colloid 30nm 20ml	EM.GC30/4	20	30	EM	30nm Gold Nanoparticles
Gold Colloid 30nm 1000ml	EM.GC30/1L	1000	30	EM	
Gold Colloid 40nm 20ml	EM.GC40/4	20	40	EM	40nm Gold Nanoparticles
Gold Colloid 40nm 20ml (OD4.5 -5)	EM.GC40SPL/4	20	40	EM	
Gold Colloid 30nm 100ml	EM.GC30/7	100	40	EM	
Gold Colloid 40nm 100ml	EM.GC40/7	100	40	EM	
Gold Colloid 40nm 100ml (OD4.5 -5)	EM.GC40SPL/7	100	40	EM	
Gold Colloid 40nm 500ml	EM.GC40/8	500	40	EM	
Gold Colloid 40nm 500ml (OD4.5 -5)	EM.GC40SPL/8	500	40	EM	
Gold Colloid 40nm 1000ml	EM.GC40/1L	1000	40	EM	
Gold Colloid 40nm (OD4.5 -5)	EM.GC40SPL/1L	1000	40	EM	

Gold Colloids (Gold Nanoparticles)

Product description	Product code	Pack size in ml	Particle size in nm	Grade	Gold particle size
Gold Colloid 50nm 20ml	EM.GC50/4	20	50	EM	50nm Gold Nanoparticles
Gold Colloid 50nm 100ml	EM.GC50/7	100	50	EM	
Gold Colloid 50nm 1000ml	EM.GC50/1L	1000	50	EM	
Gold Colloid 60nm 20ml	EM.GC60/4	20	60	EM	60nm Gold Nanoparticles
Gold Colloid 60nm 100ml	EM.GC60/7	100	60	EM	
Gold Colloid 60nm 1000ml	EM.GC60/1L	1000	60	EM	
Gold Colloid 80nm 20ml	EM.GC80/4	20	80	EM	80nm Gold Nanoparticles
Gold Colloid 80nm 100ml	EM.GC80/7	100	80	EM	
Gold Colloid 80nm 1000ml	EM.GC80/1L	1000	80	EM	
Gold Colloid 100nm 20ml	EM.GC100/4	20	100	EM	100nm Gold Nanoparticles
Gold Colloid 100nm 100ml	EM.GC100/7	100	100	EM	
Gold Colloid 150nm 20ml	EM.GC150/4	20	150	EM	150nm Gold Nanoparticles
Gold Colloid 150nm 100ml	EM.GC150/7	100	150	EM	
Gold Colloid 200nm 20ml	EM.GC200/4	20	200	EM	200nm Gold Nanoparticles
Gold Colloid 200nm 100ml	EM.GC200/7	100	200	EM	
Gold Colloid 250nm 20ml	EM.GC250/4	20	250	EM	250nm Gold Nanoparticles
Gold Colloid 250nm 100ml	EM.GC250/7	100	250	EM	

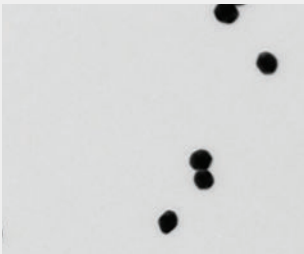
Our High OD Gold nanoparticles are available as 20nm and 40nm and at concentrations of OD5 and OD10.

Product description	Product code	Pack size in ml	Particle size in nm	Gold particle size
Gold Colloid 20nm 10ml	HD.GC20.OD10/10	10	20	20nm Gold Nanoparticles
Gold Colloid 20nm 50ml	HD.GC20.OD10/50	50	20	
Gold Colloid 20nm 10ml	HD.GC20.OD5/10	10	20	
Gold Colloid 20nm 50ml	HD.GC20.OD5/50	50	20	40nm Gold Nanoparticles
Gold Colloid 40nm 10ml	HD.GC40.OD10/10	10	40	
Gold Colloid 40nm OD10 50ml	HD.GC40.OD10/50	50	40	

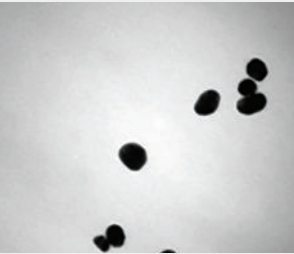
BBI Quality

BBI's unique manufacturing technique allows for the production of large batches of gold to a high level of reproducibility of size, dispersion and shape. This ensures a firm foundation for conjugation and peace of mind that your rapid assays will provide reliable results. This is not the case for all gold nanoparticles.

BBI 40nm Gold



Competitor 40nm Gold



Gold conjugates

Anti-Tag Gold Conjugates

Product description	Product code	Pack size in ml	Particle size in nm	OD	Type of label
BA Monoclonal Anti-Biotin 40nm OD10 5ml	BA.MAB40/X	5	40	10	Biotin
Monoclonal Anti-Biotin 40nm OD10 5ml	CC.MAB40/x	5	40	10	Biotin
Goat Anti-Biotin 40nm OD10 5ml	BA.GAB40/X	5	40	10	Biotin
BA Monoclonal Anti-Biotin 40nm OD10 100ml	BA.MAB40/7	100	40	10	Biotin
Monoclonal Anti-Biotin 40nm OD10 100ml	CC.MAB40/7	100	40	10	Biotin
Goat Anti-Biotin 40nm OD10 100ml	BA.GAB40/7	100	40	10	Biotin
Monoclonal Anti-Biotin 40nm OD10 500ml	BA.MAB40/8	500	40	10	Biotin
Mc Anti-Biotin 40nm	CC.MAB40/8	500	40	10	Biotin
Goat Anti-Biotin 40nm OD10 500ml	BA.GAB40/8	500	40	10	Biotin
Anti Digoxin 40nm OD10 5ml	BA.DIG40/x	5	40	10	Digoxin
Anti Digoxin 40nm OD10 100ml	BA.DIG40/7	100	40	10	Digoxin
Anti Digoxin 40nm OD10 500ml	BA.DIG40/8	500	40	10	Digoxin
Anti-FITC 40nm OD10 5ml	BA.FITC40/x	5	40	10	FITC
Anti-FITC 40nm OD10 100ml	BA.FITC40/7	100	40	10	FITC
Anti-FITC 40nm OD10 500ml	BA.FITC40/8	500	40	10	FITC
Anti-His-tag 40nm OD10 5ml	BA.HT40/x	5	40	10	His-Tag
Anti-His-tag 40nm OD10 100ml	BA.HT40/7	100	40	10	His-Tag
Anti-His-tag 40nm OD10 500ml	BA.HT40/8	500	40	10	His-Tag
Anti-HRP 40nm OD10 5ml	BA.HRP40/x	5	40	10	HRP
Anti-HRP 40nm OD10 100ml	BA.HRP40/7	100	40	10	HRP
Anti-HRP 40nm OD10 500ml	BA.HRP40/8	500	40	10	HRP

Why BBI?

Used in over 400 million assays every year, our gold manufacturing technique guarantees high-quality products.

- Uniformity** with $\leq 5\%$ odd shapes and a CV of $\leq 8\%$, the uniform shape and size of BBI gold ensure even antibody binding, giving reliable results in your assays.
- High stability** – a 24 month from DoM shelf life ensures a settled test manufacturing regime, saving you time and wastage.
- Scalability** – our batch sizes go up to 340L (40nm) to ensure you have continuous supply.
- Quality** – BBI gold must pass strict quality procedures before it's released to our customers, guaranteeing impressive performance characteristics at scale.



Protein Gold Conjugates

Product description	Product code	Pack size in ml	Particle size in nm	OD	Grade	Protein
Bovine Serum Albumin 10nm 0.25ml	EM.BSA10/1	0.25	10		EM	BSA
Bovine Serum Albumin 15nm 0.25ml	EM.BSA15/1	0.25	15		EM	BSA
Bovine Serum Albumin 20nm 0.25ml	EM.BSA20/1	0.25	20		EM	BSA
Bovine Serum Albumin 40nm 0.25ml	EM.BSA40/1	0.25	40		EM	BSA
Bovine Serum Albumin 10nm 1ml	EM.BSA10/2	1	10		EM	BSA
Bovine Serum Albumin 15nm 1ml	EM.BSA15/2	1	15		EM	BSA
Bovine Serum Albumin 20nm 1ml	EM.BSA20/2	1	20		EM	BSA
Bovine Serum Albumin 40nm 1ml	EM.BSA40/2	1	40		EM	BSA
Bovine Serum Albumin 40nm OD10 5ml	BA.BSA40/X	5	40	10		BSA
Bovine Serum Albumin 40nm OD10 100ml	BA.BSA40/7	100	40	10		BSA
Bovine Serum Albumin 40nm OD10 500ml	BA.BSA40/8	500	40	10		BSA
Protein A 10nm Gold 0.25ml	EM.PAG10/1	0.25	10		EM	Protein A
Protein A 15nm Gold 0.25ml	EM.PAG15/1	0.25	15		EM	Protein A
Protein A 10nm Gold 1ml	EM.PAG10/2	1	10		EM	Protein A
Protein A 15nm Gold 1ml	EM.PAG15/2	1	15		EM	Protein A
Protein A 40nm OD10 5ml	BA.PAG40/X	5	40	10		Protein A
Protein A 40nm OD10 100ml	BA.PAG40/7	100	40	10		Protein A
Protein A 40nm OD10 500ml	BA.PAG40/8	500	40	10		Protein A
Streptavidin 5nm 0.25ml	EM.STP5/1	0.25	5		EM	Streptavidin
Streptavidin 10nm 0.25ml	EM.STP10/1	0.25	10		EM	Streptavidin
Streptavidin 20nm 0.25ml	EM.STP20/1	0.25	20		EM	Streptavidin
Streptavidin 5nm 1ml	EM.STP5/2	1	5		EM	Streptavidin
Streptavidin 10nm 1ml	EM.STP10/2	1	10		EM	Streptavidin
Streptavidin 20nm 1ml	EM.STP20/2	1	20		EM	Streptavidin

Gold conjugates

Immunoglobulin Gold Conjugates

Product description	Product code	Pack size in ml	Particle size in nm	OD	Immunoglobulin
Chicken IgY 40nm OD10 5ml Sample	CONT.CHICK/X	5	40	10	Chicken IgY
Chicken IgY 40nm OD10 100ml	CONT.CHICK/7	100	40	10	Chicken IgY
Chicken IgY 40nm OD10 500ml	CONT.CHICK/8	500	40	10	Chicken IgY
Chicken IgY 40nm OD10	CONT.CHICK	Custom	40	10	Chicken IgY
Chicken IgY 40nm OD10	CONT.CHICK	Custom	40	10	Chicken IgY
Mouse IgG 40nm OD10 5ml	BA.MG40/X	5	40	10	Mouse IgG
Mouse IgG 40nm OD10 100ml	BA.MG40/7	100	40	10	Mouse IgG
Mouse IgG 40nm OD10 500ml	BA.MG40/8	500	40	10	Mouse IgG

Anti-Hormone Antibodies - Gold Conjugates

Product description	Product code	Pack size in ml	Particle size in nm	OD	Hormone
Monoclonal Anti HCG 40nm OD10 5ml	BA.HCG40/X	5	40	10	Human chorionic gonadotropin (hCG)
Monoclonal Anti HCG 40nm OD10 100ml	BA.HCG40/7	100	40	10	
Monoclonal Anti HCG 40nm OD10 500ml	BA.HCG40/8	500	40	10	
Monoclonal Anti LH 40nm OD10 5ml	BA.LH40/X	5	40	10	LH (Luteinizing hormone)
Monoclonal Anti LH 40nm OD10 100ml	BA.LH40/7	100	40	10	

Secondary Antibodies - Gold Conjugates

Product description	Product code	Pack size in ml	Particle size in nm	Grade	Immunoglobulin detected	Host species
Rabbit Anti Goat IgG 10nm 0.25ml	EM.RAG10/1	0.25	10	EM	Goat IgG	Rabbit
Rabbit Anti Goat IgG 15nm 0.25ml	EM.RAG15/1	0.25	15	EM	Goat IgG	Rabbit
Rabbit Anti Goat IgG 10nm 01ml	EM.RAG10/2	1	10	EM	Goat IgG	Rabbit
Rabbit Anti Goat IgG 15nm 1ml	EM.RAG15/2	1	15	EM	Goat IgG	Rabbit
Goat Anti Guinea-pig IgG 10nm 0.25ml	EM.GAG10/1	0.25	10	EM	Guinea Pig IgG	Goat
Goat Anti Guinea-pig IgG 10nm 1ml	EM.GAG10/2	1	10	EM	Guinea Pig IgG	Goat



Secondary Antibodies - Gold Conjugates (cont.)

Product description	Product code	Pack size in ml	Particle size in nm	OD	Grade	Immunoglobulin detected	Host species
Goat Anti Human IgA 40nm OD10 5ml	BA.GAHA40/X	5	40	10		Human IgA	Goat
Goat Anti Human IgA 40nm OD10 100ml	BA.GAHA40/7	100	40	10		Human IgA	Goat
Goat Anti Human IgA 40nm OD10 500ml	BA.GAHA40/8	500	40	10		Human IgA	Goat
Anti Human IgE 40nm OD10 5ml	BA.MAHE40/x	5	40	10		Human IgE	
Anti Human IgE 40nm OD10 100ml	BA.MAHE40/7	100	40	10		Human IgE	
Anti Human IgE 40nm OD10 500ml	BA.MAHE40/8	500	40	10		Human IgE	
Goat Anti Human IgG 10nm 0.25ml	EM.GAH10/1	0.25	10		EM	Human IgG	Goat
Goat Anti Human IgG 20nm 0.25ml	EM.GAH20/1	0.25	20		EM	Human IgG	Goat
Goat Anti Human IgG 10nm 1ml	EM.GAH10/2	1	10		EM	Human IgG	Goat
Goat Anti Human IgG 20nm 1ml	EM.GAH20/2	1	20		EM	Human IgG	Goat
Goat Anti Human IgG (H+L) 40nm OD10 5ml	BA.GAHL40/X	5	40	10		Human IgG	Goat
Goat Anti Human IgG 40nm OD10 5ml	BA.GAH40/X	5	40	10		Human IgG	Goat
Goat Anti Human IgG (H+L) 40nm OD10 100ml	BA.GAHL40/7	100	40	10		Human IgG	Goat
Goat Anti Human IgG 40nm OD10 100ml	BA.GAH40/7	100	40	10		Human IgG	Goat
Goat Anti Human IgG (H+L) 40nm OD10 500ml	BA.GAHL40/8	500	40	10		Human IgG	Goat
Goat Anti Human IgG 40nm OD10 500ml	BA.GAH40/8	500	40	10		Human IgG	Goat

Gold conjugates



Secondary Antibodies - Gold Conjugates (cont.)

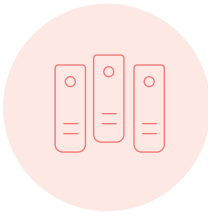
Product description	Product code	Pack size in ml	Particle size in nm	OD	Grade	Immunoglobulin detected	Host species
Goat Anti Human IgM 40nm OD 10 5ml	BA.GAHM40/X	5	40	10		Human IgM	
Goat Anti Human IgM 40nm OD 10 100ml	BA.GAHM40/7	100	40	10		Human IgM	
Goat Anti Human IgM 40nm OD 10 500ml	BA.GAHM40/8	500	40	10		Human IgM	
Goat Anti Mouse IgG 10nm 0.25ml	EM.GAM10/1	0.25	10		EM	Mouse IgG	Goat
Goat Anti Mouse IgG (H+L) 10nm -0.25ml	EM.GMHL10/1	0.25	20		EM	Mouse IgG	Goat
Goat Anti Mouse IgG (H+L) 20nm 0.25ml	EM.GMHL20/1	0.25	10		EM	Mouse IgG	Goat
Goat Anti Mouse IgG 10nm 1ml	EM.GAM10/2	1	10		EM	Mouse IgG	Goat
Goat Anti Mouse IgG (H+L) 10nm 1ml	EM.GMHL10/2	1	20		EM	Mouse IgG	Goat
Goat Anti Mouse IgG (H+L) 20nm 1ml	EM.GMHL20/2	1	40		EM	Mouse IgG	Goat
Goat Anti Mouse IgG 40nm OD10 5ml	BA.GAM40/X	5	40	10		Mouse IgG	Goat
Goat Anti Mouse IgG (H+L) 40nm OD10 5ml	CC.GAM40/X	5	40	10		Mouse IgG	Goat
Goat Anti Mouse IgG 40nm OD10 100ml	BA.GAM40/7	100	40	10		Mouse IgG	Goat
Goat Anti Mouse IgG (H+L) 40nm OD10 100ml	CC.GAM40/7	100	40	10		Mouse IgG	Goat
Goat Anti Mouse IgG 40nm OD10 500ml	BA.GAM40/8	500	40	10		Mouse IgG	Goat
Goat Anti Mouse IgG (H+L) 40nm OD10 500ml	CC.GAM40/8	500	40	10		Mouse IgG	Goat
Goat Anti Mouse IgG+IgM 10nm 0.25ml	EM.GAF10/1	0.25	10		EM	Mouse IgG IgM	Goat
Goat Anti Mouse IgG+IgM 10nm 1ml	EM.GAF10/2	1	10		EM	Mouse IgG IgM	Goat

Secondary Antibodies - Gold Conjugates (cont.)

Product description	Product code	Pack size in ml	Particle size in nm	OD	Grade	Immunoglobulin detected	Host species
Goat Anti Mouse IgM 40nm OD10 5ml	BA.GAMM40/X	5	40	10		Mouse IgM	Goat
Goat Anti Mouse IgM 40nm OD10 100ml	BA.GAMM40/7	100	40	10		Mouse IgM	Goat
Goat Anti Mouse IgM 40nm OD10 500ml	BA.GAMM40/8	500	40	10		Mouse IgM	Goat
Goat Anti Rabbit IgG 10nm 0.25ml	EM.GAR10/1	0.25	10		EM	Rabbit IgG	Goat
Goat Anti Rabbit IgG 15nm 0.25ml	EM.GAR15/1	0.25	15		EM	Rabbit IgG	Goat
Goat Anti Rabbit IgG 20nm 0.25ml	EM.GAR20/1	0.25	20		EM	Rabbit IgG	Goat
Goat Anti Rabbit IgG 40nm 0.25ml	EM.GAR40/1	0.25	40		EM	Rabbit IgG	Goat
Goat Anti Rabbit IgG 5nm 0.25ml	EM.GAR5/1	0.25	5		EM	Rabbit IgG	Goat
Goat Anti Rabbit IgG 10nm 1ml	EM.GAR10/2	1	10		EM	Rabbit IgG	Goat
Goat Anti Rabbit IgG 15nm 1ml	EM.GAR15/2	1	15		EM	Rabbit IgG	Goat
Goat Anti Rabbit IgG 20nm 1ml	EM.GAR20/2	1	20		EM	Rabbit IgG	Goat
Goat Anti Rabbit IgG 40nm 1ml	EM.GAR40/2	1	40		EM	Rabbit IgG	Goat
Goat Anti Rabbit IgG 5nm 1ml	EM.GAR5/2	1	5		EM	Rabbit IgG	Goat
Goat Anti Rabbit IgG 40nm OD10 5ml	BA.GAR40/X	5	40	10		Rabbit IgG	Goat
Goat Anti Rabbit IgG 40nm OD10 100ml	BA.GAR40/7	100	40	10		Rabbit IgG	
Goat Anti Rabbit IgG 40nm OD10 500ml	BA.GAR40/8	500	40	10		Rabbit IgG	
Goat Anti Rat IgG 10nm 0.25ml	EM.GAT10/1	0.25	10		EM	Rat IgG	Goat
Goat Anti Rat IgG 10nm 1ml	EM.GAT10/2	1	10		EM	Rat IgG	Goat

Surface modification & labelling

We offer tools for the functionalization of various surfaces and assay types using our own high-tech molecule Polystreptavidin R, which we developed with exceptional biotin binding capacities. For protein labelling, we also offer recombinant Streptavidin.



Streptavidin & Polystreptavidin R

Product code	Product description	Package size	Category
10 110 010	Recombinant Streptavidin	Varied	Streptavidin
10 120 100	Polystreptavidin R	Varied	Polystreptavidin R

Polystreptavidin

Polystreptavidin R is a macromolecule with excellent adsorption properties. Coatings made of Polystreptavidin R combine the excellent biotin binding capacity with high chemo- and thermostability, thereby making your lateral flow test or other assay highly durable.

Because of its macromolecular structure, Polystreptavidin R has the ability to bind simultaneously more biotinylated molecules (Figure 1B) than 'classical' Streptavidin (Figure 1A). This leads to signal amplification in various applications (Figure 1C).

Key benefits

- High thermal stability - long shelf life > 2 years
- Ready-to-use - no additional washing or blocking steps required
- High signal-to-noise ratio
- Excellent coating properties - even on glass

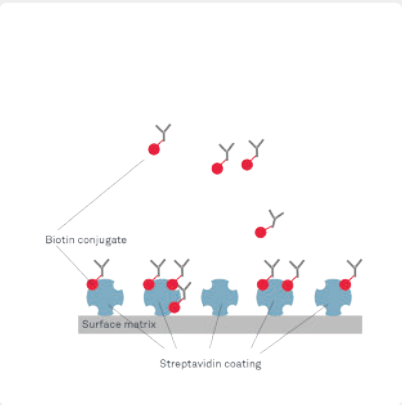


Figure 1A

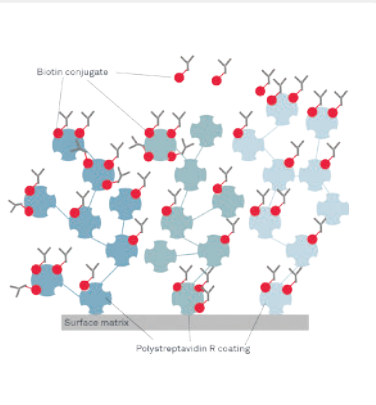


Figure 1B

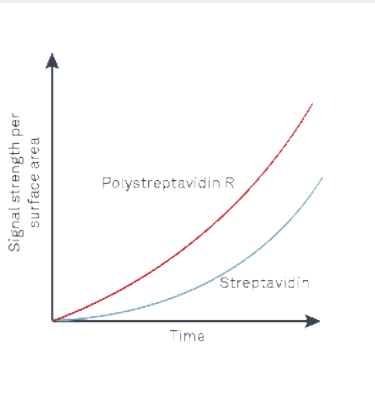
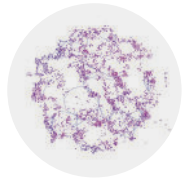
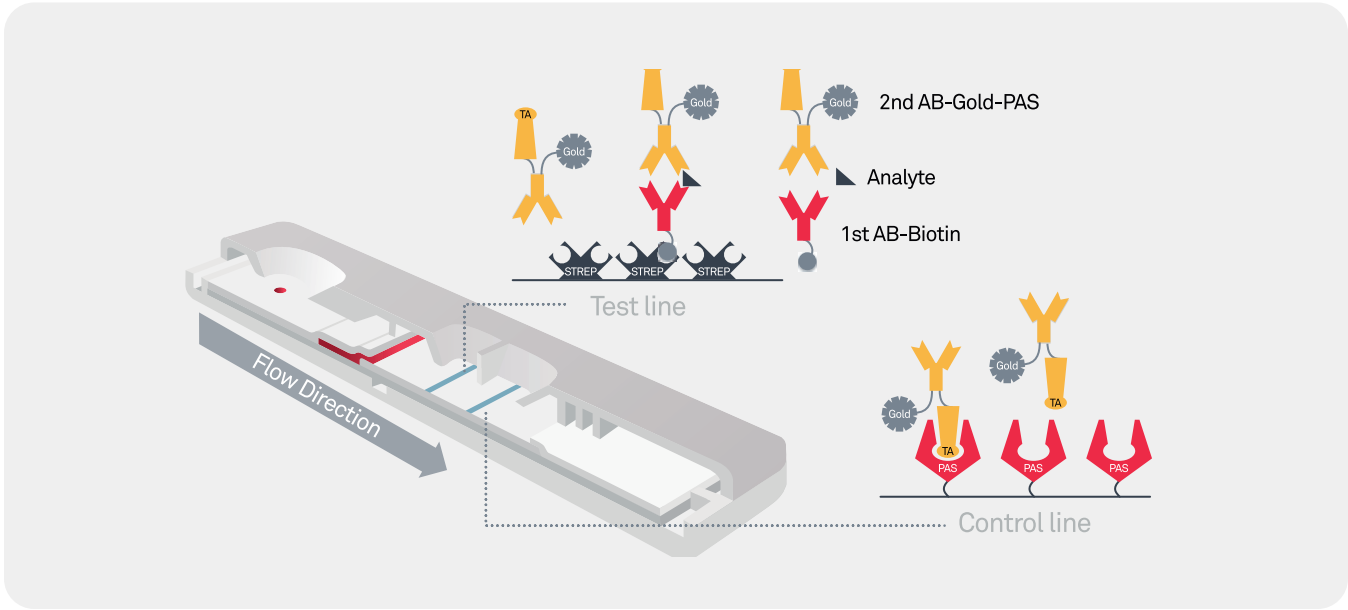


Figure 1C



Surface functionalization with BBI's unique TAPAS labelling system

The TAPAS labeling Kit for immobilization, enrichment and detection of biomolecules on lateral flow test and on other assay systems.



TA-PAS system components and kits

Product code	Product description	Package size	System component
12 700 003	PAS Antibody	1 mg	Capture antibody
20 700 001	PAS-Poly-HRP PAS capture antibody conjugated with Poly-HRP		Capture antibody
BTTAP-001	TAPAS Labelling Kit -1 label		Labelling kit
BTTAP-003	TAPAS Labelling Kit -3 label		Labelling kit

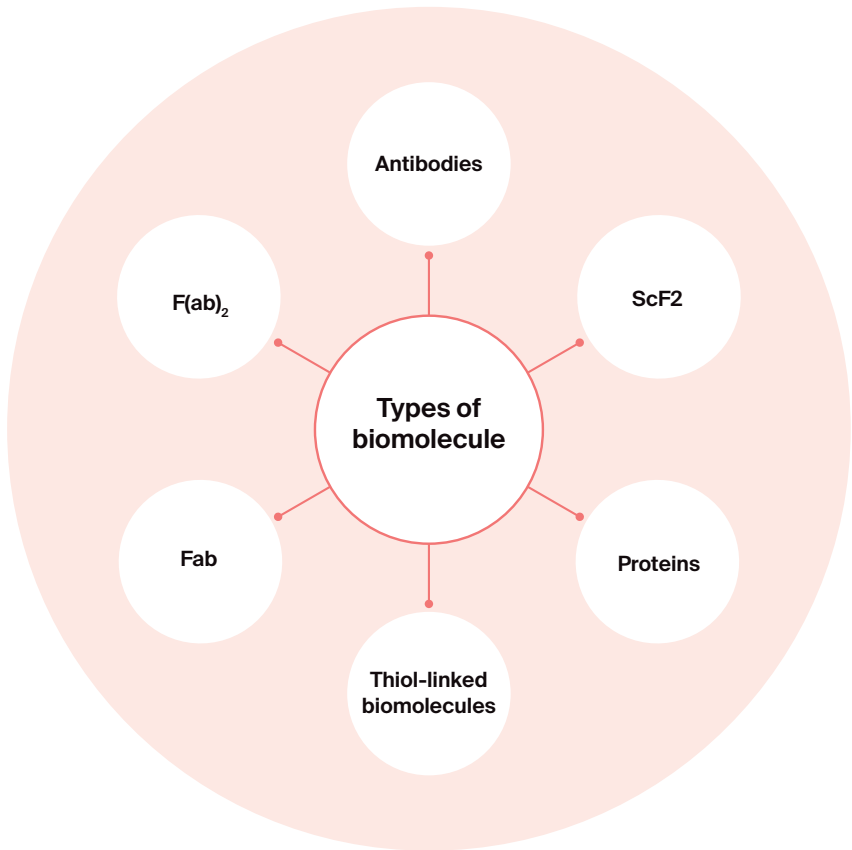
Custom conjugation

Our custom conjugation service provides high-quality conjugates, optimized to meet your unique quality control requirements. Our experienced scientists work directly with you to provide sensitive, specific, and reproducible conjugates.



The service

- Develop high quality conjugates using antibodies, antigens, oligos or aptamers provided by you or sourced by us.
- Conjugate to numerous nanoparticles, including BBI's world-renowned gold.
- Optimize the sensitivity of your conjugate to meet your pre-agreed requirements and stability.
- Batch production up to 24 litres at OD10, or alternatively we can provide a custom OD preparation.



Designed to meet your individual needs

Specificity, sensitivity and reproducibility should define the specification and fulfil your absolute minimum expectations of the conjugate.

Our scientists work in partnership with customers to bring all the vital ingredients together and provide sensitive, stable, reproducible conjugates time after time. Once you are happy with your conjugate, we can put a commercial supply plan in place to ensure security of supply.

Discuss your requirements with our technical team on:

+44 (0)1495 363 000
sales@bbisolutions.com



The gold and conjugation processes at BBI are unrivalled – we found that BBI was the best that we could work with.

CEO James Lousararian,
Verax Biomedical



Immuno- affinity columns

06

Our immuno-affinity columns give you rapid one-step clean-up of vitamins, mycotoxins, hormones, and antibiotic residues in food and feed-safety workflows.

Choose single-analyte cartridges, or the AOZDFT combi column that captures six major mycotoxins at once. Keep throughput high with packs of up to 100 columns.

Need a custom target?

Our IAC kit couples your antibody to pre-activated gel and ships ready-to-pack columns, all under ISO 13485-certified production – so you stay in control from clone to clean-up.

Immuno-affinity purification & protein extraction

BBI offers a range of IAC (Immuno-affinity chromatography) columns for mycotoxin and vitamin analysis for food and feed safety assessment.



- Mycotoxins
- Vitamins
- Hormones
- Antibodies

Affinity Purification Columns – Mycotoxins

Product code	Product description	Column size	Pack sizes
BTAFM311005 BTAFM311030 BTAFM311050 BTAFM311100	IAC Aflatoxin M1	3 mL	10/30/50/100 columns
BTAF310005 BTAF310030 BTAF310050 BTAF310100	IAC Aflatoxin total	3 mL	10/30/50/100 columns
BTDO313005 BTDO313030 BTDO313050 BTDO313100	IAC Deoxynivalenol	3 mL	10/30/50/100 columns
BTFU314005 BTFU314030 BTFU314050 BTFU314100	IAC Fumonisin	3 mL	10/30/50/100 columns
BTOT312005 BTOT312030 BTOT312050 BTOT312100	IAC Ochratoxin	3 mL	10/30/50/100 columns
BTTE316005 BTTE316030 BTTE316050 BTTE316100	IAC T2/HT2	3 mL	10/30/50/100 columns
BTZE315005 BTZE315030 BTZE315050 BTZE315100	IAC Zearalenone	3 mL	10/30/50/100 columns
BTCA321005 BTCA321030 BTCA321050 BTCA321100	IAC Combined Aflatoxin + Ochratoxin	3 mL	10/30/50/100 columns
BTCZ322005 BTCZ322030 BTCZ322050 BTCZ322100	IAC Combined Aflatoxin + Ochratoxin + Zearalenone	3 mL	10/30/50/100 columns
BTM326005 BTM326030 BTM326050 BTM326100	IAC Combined AOZDFT	3 mL	10/30/50/100 columns
BTCD323005 BTCD323030 BTCD323050 BTCD323100	IAC Combined Deoxinivalenol + Zearalenone	3 mL	10/30/50/100 columns

Immuno-affinity purification & protein extraction

- Mycotoxins

Hormones
- Vitamins

Antibodies

Affinity Purification Columns – Vitamins

Product code	Product description	Column size	Pack sizes
BTSA317005 BTSA317030 BTSA317050 BTSA317100	IAC Biotin	3 mL	10/30/50/100 columns
BTFS319005 BTFS319030 BTFS319050 BTFS319100	IAC Folic Acid	3 mL	10/30/50/100 columns
BTCA318005 BTCA318030 BTCA318050 BTCA318100	IAC Vitamin B12	3 mL	10/30/50/100 columns

Antibodies – Mycotoxins, used in Affinity Purification Columns

Product code	Product description	Quantity
11 110 010	Anti-Aflatoxin B1, Monoclonal, Clone BCAB1310	1 mg
11 112 010	Anti-Aflatoxin B2, Clone BCAB1312	1 mg
11 111 010	Anti-Aflatoxin B2, Monoclonal, Clone BCAB1311	1 mg
11 113 010	Anti-Aflatoxin G1/G2, Monoclonal, Clone BCAB1313	1 mg
11 115 010	Anti-Aflatoxin M1 Clone BCAB1315	1 mg
11 114 010	Anti-Aflatoxin total, Clone BCAB1314	1 mg
11 150 010	Anti-Deoxynivalenol, Monoclonal, Clone BCAB1350	1 mg
11 140 010	Anti-Fumonisin, Monoclonal, Clone BCAB1340	1 mg
11 120 010	Anti-Ochratoxin A, Monoclonal, Clone BCAB1320	1 mg
11 160 010	Anti-T-2 Toxin, Monoclonal, Clone BCAB1360	1 mg
11 130 010	Anti-Zearalenon, Monoclonal, Clone BCAB1330	1 mg

Antibodies – Vitamins, used in Affinity Purification Columns

Product code	Product description	Quantity
11 420 010	Anti-Folic Acid, Monoclonal, Clone BCAB1342	1 mg
11 410 010	Anti-Vitamin B12, Monoclonal, Clone BCAB1341	1 mg



Stabilizers, blockers & dilutents



We supply Surmodics® blockers and stabilisers alongside BioFX® TMB, ABTS and p-NPP substrates to customers across the EU. Each ready-to-use, or easily diluted, formulation is engineered to do two jobs at once: guard native protein structure for long-term shelf life, and seal off assay surfaces to drive down background signal.

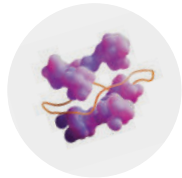
Stabilizers, blockers & diluents

Immunoassay Stabilizers / Blockers*

SC01-1000 1,000 ml	StabilCoat® Immunoassay Stabilizer Effectively preserves the conformation and activity of dried proteins	ST01-1000 1,000 ml	StabilBlock® Immunoassay Stabilizer Minimizes non-specific binding to lower detection limits and maximizes signal-to-noise ratios of immunoassays
SC05-1000 1,000 ml	StabilCoat® Immunoassay Stabilizer (5x) 5x concentrate Effectively preserves the conformation and activity of dried proteins	ST01-CF01-1000 1,000 ml	StabilBlock® Immunoassay Stabilizer-CMIT/MIT Formulation containing a mixture of 5-Chloro-2-Methyl-3(2H)-isothiazolone and 2-Methyl-3(2H)-isothiazolone as preservative
SC01-1000 1,000 ml	StabilGuard® Immunoassay Stabilizer (BSA-Free) Maintains the activity of antibodies and other biomolecules absorbed or immobilised to solid substrates		



* Distributed in Europe only



Stabilizers for Microarray Slides and Microsphere-based Assays*

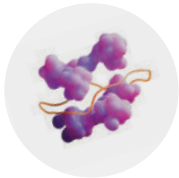
SG02-1000 1,000 ml	StabilGuard® Plus Microarray Stabilizer Improves the stability of proteins bound to microspheres stored in solution, and array proteins stored in the dried state	SG02-1000 1,000 ml	StabilGuard® Choice Microarray Stabilizer (BSA-Free) Improves the stability of proteins bound to microspheres stored in solution, and array proteins stored in the dried state
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Protein and Conjugate Stabilizers*

SA01-1000 1,000 mL	StabilZyme® AP Conjugate Stabilizer Developed specifically for Alkaline Phosphatase (AP) conjugates in solution	SA01-CF01-1000 1,000 mL	StabilZyme® AP Conjugate Stabilizer-CMIT/MIT Newly developed formulation containing a mixture of 5-Chloro-2-Methyl-3(2H)-isothiazolone and 2-Methyl-3(2H)-isothiazolone as preservative
SAPF-1000 1,000 ml	StabilZyme® Protein-Free AP Stabilizer Optimized to prevent the loss of Alkaline Phosphatase (AP) activity while maintaining the conformational structure and binding efficacy of the conjugated antibody	SZ02-CF02-1000 1,000 ml	StabilZyme® HRP Conjugate Stabilizer Newly developed formulation containing a mixture of 5-Chloro-2-Methyl-3(2H)-isothiazolone and 2-Methyl-3(2H)-isothiazolone as preservative
SAPF-1000 CF01-1000 1,000 ml	StabilZyme® Protein-Free AP Stabilizer-CMIT/MIT Newly developed formulation containing a mixture of 5-Chloro-2-Methyl-3(2H)-isothiazolone and 2-Methyl-3(2H)-isothiazolone as preservative	SZ03-1000 1,000 ml	StabilZyme® SELECT® Stabilizer Stabilises biologically active components in solution and protects the activity of proteins commonly used in immunoassays, such as antisera and controls and HRP conjugates

* Distributed in Europe only

Stabilizers, blockers & diluents



Protein and Conjugate Stabilizers*

SZ02-1000 1,000 ml	StabilZyme® HRP Conjugate Stabilizer Developed specifically for Horseradish Peroxidase (HRP) conjugates in solution	SZ03-CF02-1000 1,000 ml	StabilZyme® SELECT® Stabilizer-CMIT/MIT Newly developed formulation containing a mixture of 5-Chloro-2-Methyl-3(2H)-isothiazolone and 2-Methyl-3(2H)-isothiazolone as preservative
SZ04-1000 1,000 ml	StabilZyme® NOBLE Stabilizer (BSA-Free) Designed for conjugated proteins, antibody-coated particles, and unmodified proteins in solution	SZPF-1000 1,000 ml	StabilZyme® Protein-Free Stabilizer Designed for conjugated proteins, antibody-coated particles and unmodified proteins in solution Delivers top performances in a protein-free formulation
SZ04-CF02-1000 1,000 ml	StabilZyme® NOBLE Stabilizer (BSA-Free)-CMIT/MIT Newly developed formulation containing a mixture of 5-Chloro-2-Methyl-3(2H)-isothiazolone and 2-Methyl-3(2H)-isothiazolone as preservative	SZPF-CF01-1000 1,000 ml	StabilZyme® Protein-Free Stabilizer-CMIT/MIT Newly developed formulation containing a mixture of 5-Chloro-2-Methyl-3(2H)-isothiazolone and 2-Methyl-3(2H)-isothiazolone as preservative

StabilBlot™ Blockers*

SB01-1000-01 1,000 ml	StabilBlot™ Protein-Free Blocker Ready to use The absence of protein in the formulation provides a synthetic alternative that eliminates cross- reactivity and increases sensitivity	SB05-0125-01 125 ml SB05-1000-01 1,000 ml	StabilBlot™ Casein Blocker (5X, TBS) 5x concentrate For strong blocking of background, a casein TBS and a casein PBS formulation are available
SB04-0125-01 125 ml SB04-1000-01 1,000 ml	StabilBlot™ Milk Blocker (10x) 10x concentrate For the strongest blocking, the milk formulation is recommended		

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Blockers and Diluents*

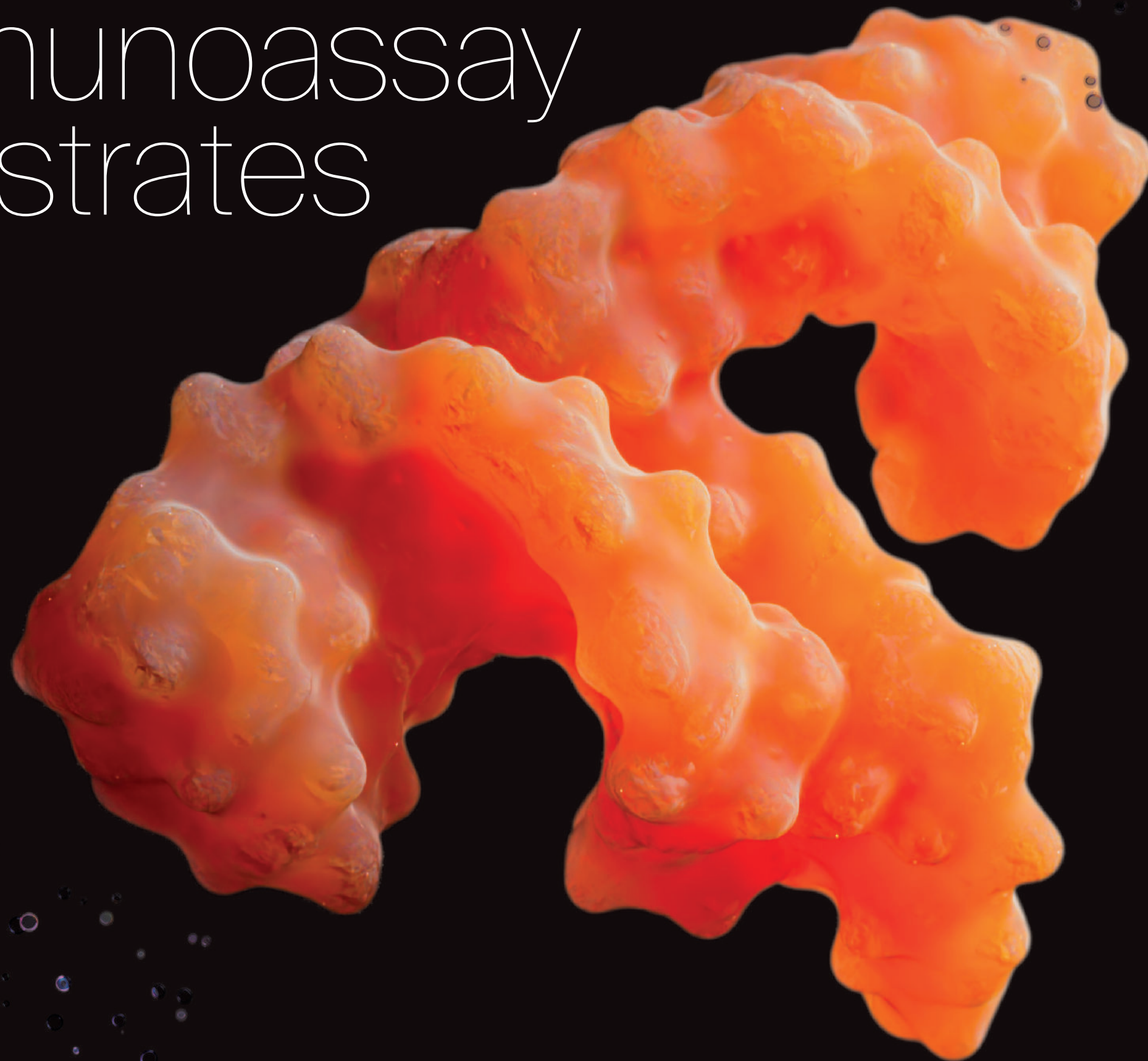
PBSC 100 ml 1,000 ml	Phosphate Buffered Saline/Casein Block and Diluent 5x concentrate High blocking efficiency of casein minimizes non-specific interactions of the secondary reactants with unwanted binding sites	MLKB 100 ml 1,000 ml	Borate Buffered Saline Milk Blocking Solution 10x concentrate Contains non-fat dry milk (NFDM) and serves as blocking reagent when diluted in reagent quality water
TBSC 100 ml 1,000 ml	Tris Buffered Saline/Casein Block and Diluent 10x concentrate High blocking efficiency of casein minimizes non-specific interactions of the secondary reactants with unwanted binding sites		

Sample / Assay Diluents*

SM01-1000 1,000 ml	Surmodics® Assay Diluent (Protein-Free) Surmodics® Assay Diluent reduces matrix interference in samples including heterophilic antibodies, such as HAMA and RF	SM02-1000 1,000 ml	MatrixGuard™ Diluent Provides unsurpassed blocking whereby matrix interferences are effectively blocked while the intended assay signal is maintained
SM01-CF02-1000 1,000 ml	Surmodics® Assay Diluent (Protein-Free)-CMIT/MIT Newly developed formulation containing a mixture of 5-Chloro-2-Methyl-3 (2H)-isothiazolone and 2-Methyl -3(2H)-isothiazolone as preservative		

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Immunoassay substrates



Immunoassay substrates

TMB and ABTS HRP Microwell Substrates*

TMBDH-1000-01 1,000 ml	TMB High Definition One Component HRP Microwell Substrate Our newest TMB formulation Up to 30% more sensitive than TMBS	TMBC-1000-01 1,000 ml**	TMB Conductivity One Component HRP Microwell Substrate As robust as TMBW Formulated specifically for liquid level detection systems on instruments Up to 10% more sensitive than TMBW
TMBS-1000-01 1,000 ml**	TMB Super Sensitive One Component HRP Microwell Substrate Up to 40% more sensitive than TMBW	TMSK-1000-01 1,000 ml**	TMB Slow Kinetic One Component HRP Microwell Substrate A slower kinetic formulation to allow a wider dynamic/working range without compromising assay performance Up to 25% less sensitive than TMBW
TMBW-1000-01 1,000 ml**	TMB One Component HRP Microwell Substrate Our most popular formulation Suitable for use in virtually every quantitative or qualitative test		

TMB and ABTS HRP Microwell Substrates*

TTMB-1000-01 1,000 ml**	TMB Super Slow One Component HRP Microwell Substrate Up to 35% less sensitive than TMBW without compromising assay performance	TMBX-1000-01 1,000 ml**	TMB Extended Range HRP Microwell Substrate Our slowest kinetic option for extended dynamic range and improved reproducibility
TMDS-1000-01 1,000 ml**	TMB Double Slow One Component HRP Microwell Substrate A doubly slow kinetic option for consistent results Up to 60% less sensitive than TMBW	ABTS-1000-01 1,000 ml**	ABTS One Component HRP Microwell Substrate - Extended Shelf Life Three-year stability while offering the sensitivity needed for your ELISA assays Much more stable background compared to standard ABTS formulations

* Distributed in Europe only ** Bulk and custom fills on request



TMB HRP Membrane Substrates*

ESPM-1000-01 1,000 ml**	TMB Enhanced One Component HRP Membrane Substrate Room temperature stability for 2 years, stable for 4 years at 4°C Similar sensitivity to most mid-to high-level chemiluminescent membrane substrates Extended dynamic range with reduction of wash-out at higher peroxidase concentrations	TMBM-1000-01 1,000 ml**	TMB One Component HRP Membrane Substrate A high quality and economical precipitating TMB option for Western blotting and other membrane applications
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AP Microwell Substrates*

PNPS-1000-01 1,000 ml**	AP-Yellow One Component Microwell Substrate (pNPP) with Stabilizing Pellets No spontaneous colour change Long shelf life
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AP Membrane Substrates*

BCIB-1000-01 1,000 ml**	BCIP/NBT Blue One Component AP Membrane Substrate Blue precipitate No unpredictable colour change Improved sensitivity with low background	BCID-1000-01 1,000 ml**	BCIP/NBT Purple One Component AP Membrane Substrate Purple precipitate No unpredictable colour change Improved sensitivity with low background
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Accessory reagents

Wash and Coating Solutions

WSHW 100 ml 1,000 ml	Tris Buffered Saline Wash Solution 10x concentrate Performs stable blocking once applied and reduces non-specific binding Improved sensitivity with low background	COAT 100 ml 1,000 ml	ELISA Plate Coating Solution Purple precipitate Physiological saline solution, maximizes specific binding to the target solid phase by providing optimal pH and ionic strength in ELISA systems
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Lateral flow contract manufacturing services

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Scaling your lateral flow test from pilot to production is complex. We simplify it. In our ISO 13485-certified cleanrooms, automated lines stripe, laminate, cut, and assemble your devices – from pilot lots to multi-million commercial runs.

We pack complete kits on-site – buffers, swabs, desiccants, and IFUs – so you get one audit-ready lot and a single supply chain.

Need regional release testing or custom packaging?

We build these into your workflow, so your product ships market-ready from day one.

Lateral flow contract manufacturing services

Market segments

Our experience has been gained across multiple sectors including:

Human Clinical
- Lab based
- Point of care
- Remote
Agricultural
Animal Diagnostics
Environmental
Drugs of Abuse
Food Safety
Defence
Consumer Healthcare

Robust and flexible manufacturing options

You may be a new start-up company looking for someone to manufacture your assay, or a fast growing company under pressure to meet increasing demand. Our manufacturing service will deliver the results you need to fulfil your customer’s expectations:

Key benefits
Flexible options – catering for increased demand and technically challenging manufacture
Technical transfer to manufacturing – BBI has extensive experience and expertise in successfully transferring IVD products to manufacturing
Competitive product pricing – using our automation capabilities to manufacture on a large scale will drive production costs down without compromising quality
Quality system certification – we’re certified to the world recognised Quality System for Medical Device and IVD Manufacturers, ISO 13485 and have experience working on FDA projects



Development Partners – BBI works with our partners to offer end to end lateral flow development and manufacture

Global Access Diagnostics

Global Access Diagnostics (GADx) is a mission-led, end-to-end developer of rapid immuno-diagnostic devices for human, veterinary, and agricultural applications. We combine scientific excellence with a strong commitment to global health, local manufacturing, and impact-driven programmes.

Originally part of a privately held organization, GADx became a social enterprise in 2021 following its acquisition by a group of philanthropic stakeholders, including ELMA Philanthropies, Open Society Foundations, Skagen, and the Sapling family investment groups. As a social enterprise, GADx is dedicated to reinvesting its profits to improve the health and well-being of underserved populations worldwide.

With deep expertise in lateral flow and rapid diagnostics, GADx offers comprehensive services including product design and development, technology transfer, regulatory support, and clinical evaluation tailored to both commercial and global health partners.

To learn more, visit our website: www.globalaccessdx.com or contact us at info@globalaccessdx.com



Lateral Dx

Lateral Dx offers expert lateral flow assay development, combining cutting-edge technical knowledge with a strong commitment to quality.

We provide tailored lateral flow test development and consultancy services across a diverse range of industries. Our goal is to deliver high-quality, cost-effective solutions that meet your specific needs. With over 25 years of experience in the lateral flow assay field, we support every stage of your development journey - from initial proof-of-concept studies to scaling up for large-scale manufacturing. Our skilled team brings extensive expertise in rapid test development across sectors, including veterinary, human clinical, environmental, and toxicology.

To explore case studies from our business partners or learn more about the industries we serve, visit our website: www.lateraldx.com or contact us to speak with our team: www.lateraldx.com/contact-us/



Notes

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



Get in touch to arrange
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Advancing health,
together.