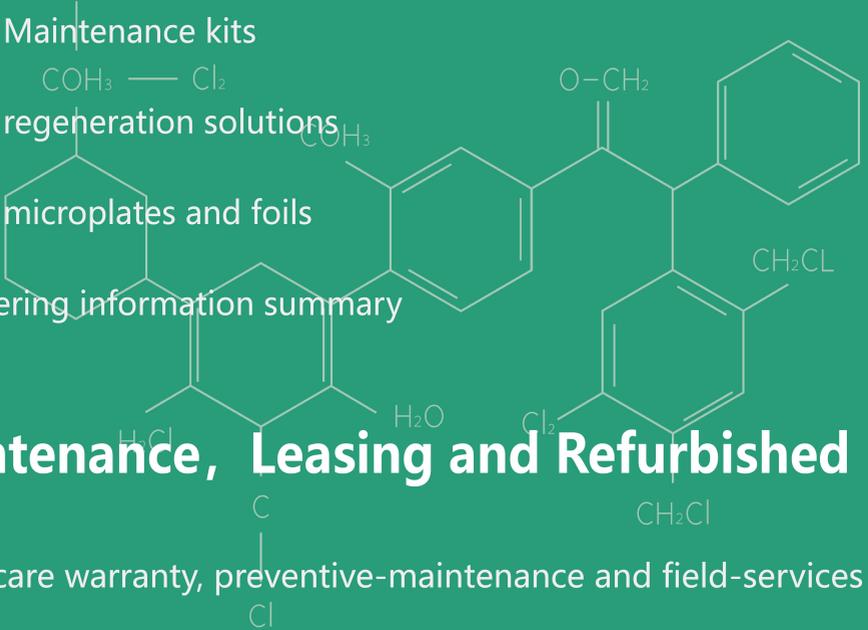


# High-quality SPR Sensor Chips, Kits, Buffers, and Microplates



# High-quality SPR Sensor Chips, Kits, Buffers, and Microplates

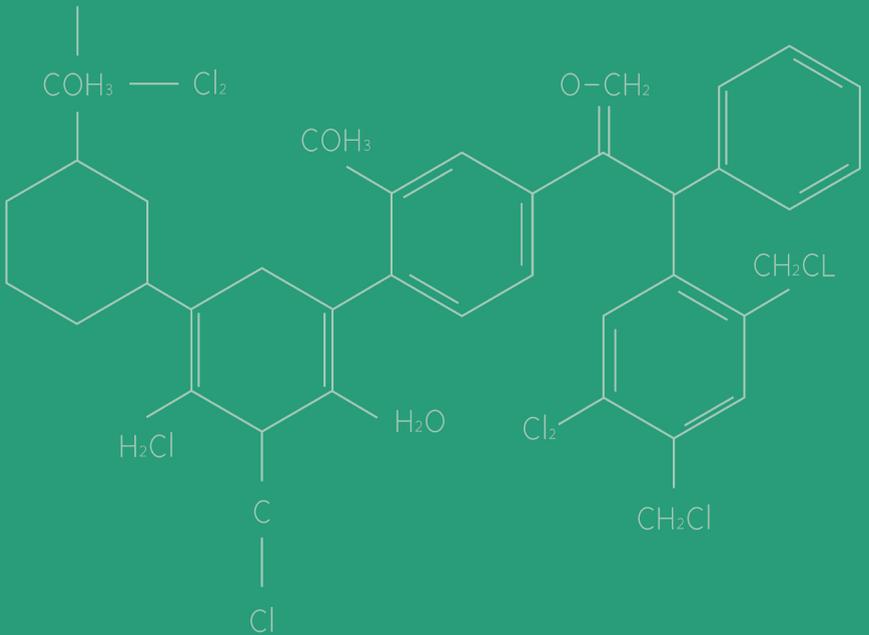
- SPR sensor chips of BCM series
- Amine-coupling kits
- SPR immobilization solutions
- SPR running buffers
- SPR Maintenance kits
- SPR regeneration solutions
- SPR microplates and foils
- Ordering information summary



## Maintenance, Leasing and Refurbished

- Full-care warranty, preventive-maintenance and field-services
- Superior refurbished instruments
- SPR equipment leasing

# | SPR sensor chips of BCM series





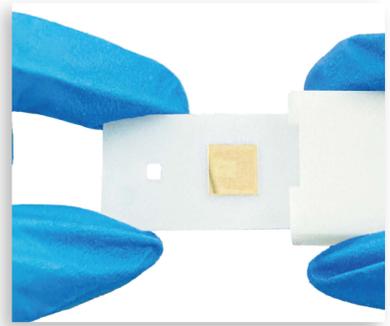
Type-s Sensor Chip

BCM10

Based on over 35-years history of the North American lab in Biosensor research, design, and CMO production, as well as more than 12 years of experience on SPR application development from BAKS Biologics experts, and after rounds of robust production and validation of concepting, testing, processing and scale-up batches, we are glad to bring SPR users a brand-new BCM series SPR sensor chips, including **BCM10, BCM7, BCM5, BCM4, and BCM3**. The sensor chips meet the requirements of SPR analysis in binding capacity, signal-to-noise ratio, uniformity, and repeatability, while also providing a higher technological foundation for innovative SPR application development.

## Carry on the classic, breakthrough in technology

The BCM series sensor chips adopt the classic surface structure with dextran, which is compatible with existing analysis protocols on protein, small molecule, peptide, and nucleic acid, and has made imaginative and effective technological breakthroughs in sensor surface design based on the recent trend in SPR applications. Each BCM product owns unique features for the dedicated application.



## Patent T-type sensor cartridge design



The T-type sensor cartridge patented by the BAKS is compatible with all s-series models including 8K, 1K, T200, S200, 4000 series, but also greatly improves the mechanical toughness and reduces the occurrence of undocking jamming, and carrier damage that often occur in the original design.

## Full-scale production, reliable quality control

It established robust processing for BCM sensor chip production through DoE design, and full-scale production ensures consistency within and between batches. More than 3 sensor chips are selected randomly in each batch and full validation of coupling and kinetics performs. QC was conducted and COA report was provided in each batch, good quality for good results.

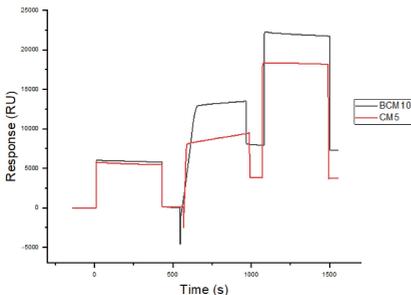


# BCM10 sensor chip, double the capacity\*, halve the price

It is glad to introduce the BCM10 sensor chip, which received favoring feedbacks in the demo trials domestic and in North American. The BCM10 adopts the similar sensor surface design as CM5, but it significantly increased the immobilization capacity, up to twice.



## Validation test of Amine-coupling on BCM10



\*Ligand Immobilization capacity is also affected by the nature of the protein

## Benefits from the doubled immobilization capacity

### 01. Improved signal-to-noise ratio,

Achieve better signal-to-noise ratio for small molecules, membrane proteins, and FBDD applications;

### 02. Lower LOD

Improve the sensitivity of SPR quantification applications;

### 03. Milder and more neutral conditions,

It is able to obtain sufficient immobilization level at neutral conditions;

### 04. Save proteins

It is not necessary to obtain high immobilization level by concentrating protein, users purchasing commercial target proteins or owns limited resources of proteins could benefit.

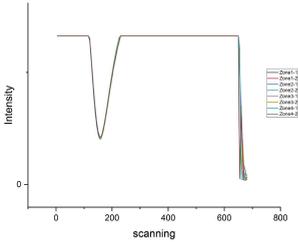
### 05. Longer life time of capture sensor chip,

It is able to obtain higher immobilization level of capture antibodies or Protein A/G/L, greatly extending the life time of the capture sensor chip.

# Validation result of BCM10 sensor chip

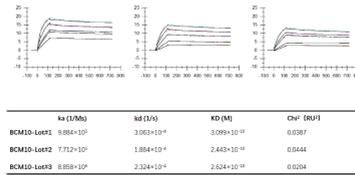
Due to the outstanding chemical processing and production process control, the channel difference within BCM10 sensor chip is less than 5%. High sensor surface consistency is a prerequisite to achieve com-parable and reliable SPR results from the multi-channel systems such as 8K, 8K+, and 1K series.

## Sensor surface consistency test



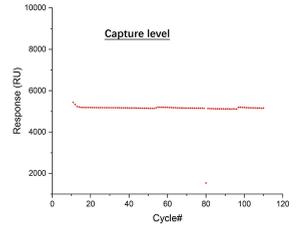
HBS-EP+ buffer, 25°C

## Lot repeatability validation



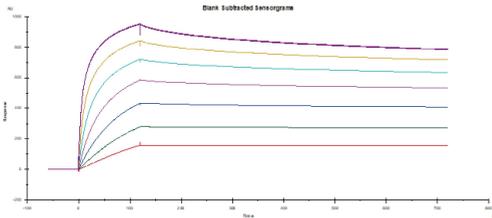
HBS-EP+ buffer, 25°C

## Sensor life time test: 100 regenerations

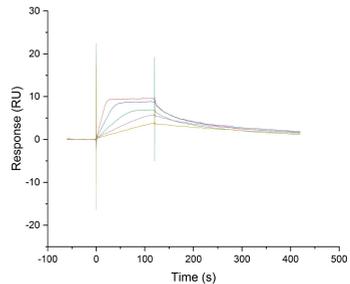


Ligand: Protein A, analyte: IgG, Glycine pH1.5, 25°C

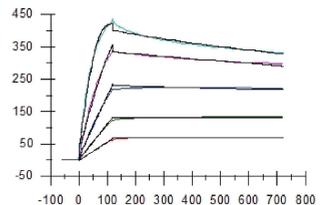
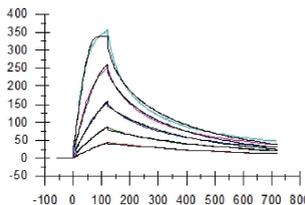
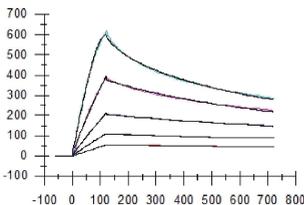
# Feedbacks from demo trials of BCM10



Protein-protein interaction analysis, the analyte of highest concentration was injected twice before and after the run to test the repeatability.



Affinity screening on small molecules, it is able to obtain sufficient R<sub>i</sub> at pH5.5, 40 candidates were tested on BCM10 to obtain affinity data.



Kinetics screening on peptide candidates for drug discovery, the affinity covering  $10^6$ - $10^4$ .



Type-s Sensor Chip  
BCM 4

## BCM4 sensor chip

- Similar surface design using dextran matrix as the CM series
- Unique Surface Neutralization technology to treat the surface of sensor
- Suitable for applications with ultra-high affinity antibodies or the analysis demanding ultra-low non-specific binding.



Type-s Sensor Chip  
BCM 7

## BCM7 sensor chip

- Similar surface design using dextran matrix as the CM series
- Adopting the new generation of dextran technology (DXX), providing higher capacity for large protein complex and membrane proteins.
- Suitable for applications of small molecules, compound fragments, and large protein complexes



Type-s Sensor Chip  
BCM 3

## BCM3 sensor chip

- Similar surface design using dextran matrix as the CM series
- Shorter dextran chain length, suitable for the analytes of large-size analytes



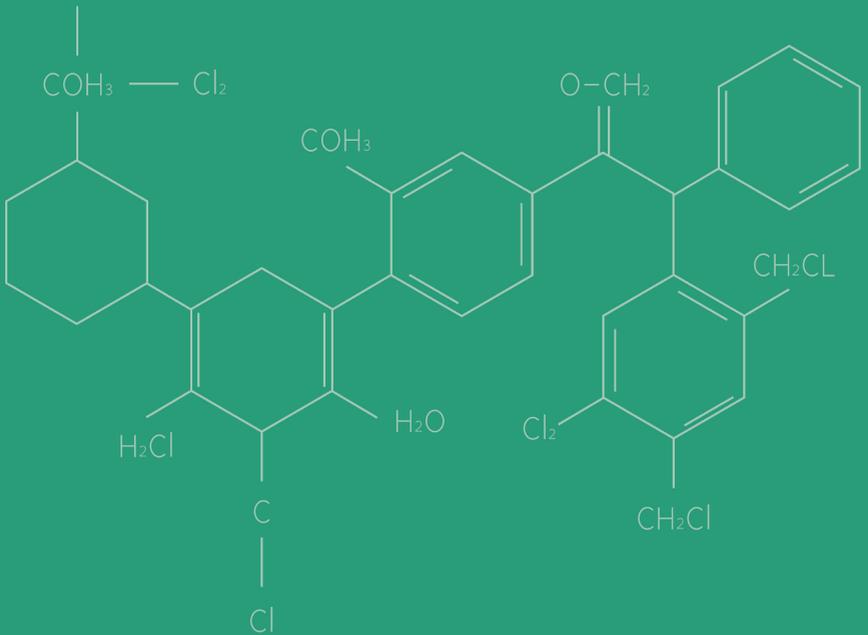
Type-s Sensor Chip  
BCM 5

## BCM5 sensor chip

- Similar surface design using dextran matrix as the CM series
- Adopting the new generation of dextran technology (DXX), achieving an optimal balance between immobilization level, non-specific binding, and SPR response signal
- Suitable for proteins, peptides and nucleic acids.



# | SPR buffers, kits and reagents





High-quality SPR buffers, kits, and reagents are vitally important to achieve consistent and reliable results and improve efficiency. SPR immobilization solutions, regeneration solutions, running buffers, and maintenance kits are indispensable tools to SPR users' routine measurements. BAKS Biologics provides a wide selection of high-quality SPR buffers, kits, and reagents, enabling SPR users to get high-confidence data and save running cost significantly.

Complete  
product  
portfolio

Wide product range for SPR supporting operation, immobilization, regeneration, and maintenance.

convenience

Unique SMART bottle design to accelerate experiment preparation, ready-to-use, no liquid measurement required.

High quality

Produced from Sigma pure reagents and Millipore ultra-purified water, complies with ISO 13485, conducts double QC on every lot, good quality for good results.

Cost saving

Save your budget without compromise on quality, reduces running costs of large-scale screening and development significantly.

## Double OC on every single lot, produced from high-quality reagents and ultra-pure water

Produced from Sigma pure reagents and Millipore ultra-purified water, complies with ISO 13485, conducts double QC (manufacture QC and validation QC) on every lot, good quality for good results.

A Biacore X100 Plus was purchased dedicated to the routine QC tasks of the buffers and reagents products.

BAKS Biologics	
<b>Instrument</b>	
Instrument type	METTLER TOLEDO
Instrument serial number	024318947
Installation P/N version	
Overall state	OK
Condition date	OK
Manufacturer	gff
Creation time	20231102 14:30:22
<b>Calibration</b>	
Calibration time	20231102 16:01:02
Equipment type	Manual
Temperature nature	Normal
Water group	METTLER TOLEDO Europe/Per (201)
Number of buffers	2/11
Installation location	Calibration room
Calibration room	Signified
<b>Measurement</b>	
Buffer ID	NAK-BAKS-0.1
Measurement duration	44s
Measurement time	20231102 16:24:01
Initial result	5.00 µM
Initial raw result	25.92
Initial temperature	22.22
Buffer ID	NAK-BAKS-0.1
Measurement duration	47s
Measurement time	20231102 16:30:04
Initial result	4.98 µM
Initial raw result	22.94
Initial temperature	22.71
Buffer ID	NAK-BAKS-0.1
Measurement duration	37s
Measurement time	20231102 16:36:00
Initial result	4.92 µM
Initial raw result	22.90
Code	00001078_00110_PL_10-02104



## Scale production, sufficient inventory, and stable supply

On the premise of ensuring product shelf-life, BAKS prepares sufficient inventory for each product, ensuring that SPR users' testing and projects are able to be fulfilled on time.

# Amine-coupling kits series



Product	Amine-coupling Kit	Type-2 Amine-coupling Kit
Description	EDC 750mg NHS 115mg Ethanolamine(pH8.5) 18ml	EDC 750mg NHS 115mg Ethanolamine(pH8.5) 18ml*2
Package	1 set	1 set
Code #	BK100050	BK100633

## Superior quality, high activity

Produced from the Sigma reagents, only the newest lot# are selected. Small-batch production and full cold-chain transportation to keep the kits with high activity.

## High-precision weighing and packaging, conduct QC on every lot

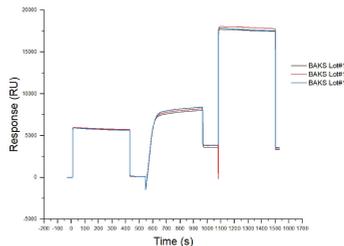
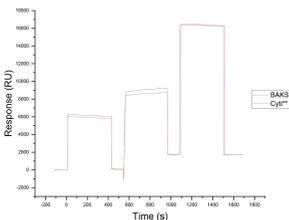
Weighing and packaging with high-precision instruments to ensure correct coupling reaction stoichiometry and repeatability. Each batch of products is tested in Quality Control using the CM5 chip before releasing, and the COA report is provided, good quality for good data.

## Pack more, save more

Larger package to meet 80-160 times of amine-coupling, up to 60% increase compared with the similar products, save more for routine SPR instruments running.

## Amine-coupling comparison test

## Lot repeatability validation



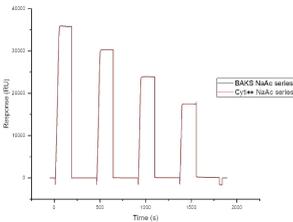
# SPR immobilization solutions series



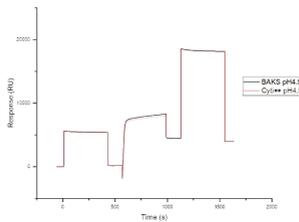
Product	Package	Product code
Acetate4.0	50mL*1	BK100349
Acetate4.5	50mL*1	BK100350
Acetate5.0	50mL*1	BK100351
Acetate5.5	50mL*1	BK100352
Acetate combination	50mL each	BK100353

## Validation tests results

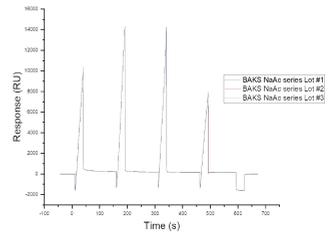
Pre-concentration comparison test



Amine coupling comparison test



Lot repeatability validation



## Result of pH measurement in validation QC

\* Result of pH measurement in validation QC \*

NaAc BAKS pH4.0	NaAc BAKS pH4.5	NaAc BAKS pH5.0	NaAc BAKS pH5.5
3.99	4.50	4.99	5.50
NaAc Cyti** pH4.0	NaAc Cyti** pH4.5	NaAc Cyti** pH5.0	NaAc Cyti** pH5.5
3.98	4.50	4.99	5.49

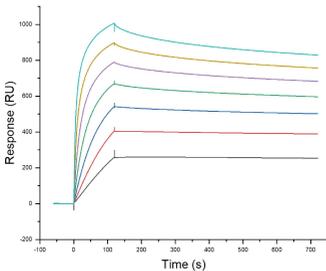
# | SPR running buffers series



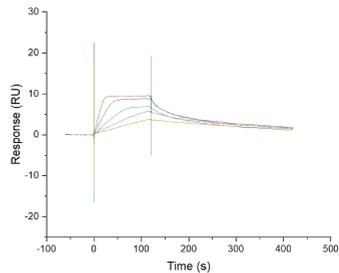
Product	Package	Product code
10×HBS-EP+ buffer	50mL×1 50mL×6 1L	BK100669-50 BK100669-300 BK100669-1000
10×HBS-P+ buffer	50mL×1 50mL×6 1L	BK100671-50 BK100671-300 BK100671-1000
10×HBS-N buffer	50mL×1 50mL×6 1L	BK100670-50 BK100670-300 BK100670-1000
10×PBS-P+ buffer	50mL×1 50mL×6 1L	BK28995084-50 BK28995084-300 BK28995084-1000
10×PBS buffer	50mL×1 50mL×6 1L	BK100672-50 BK100672-300 BK100672-1000

# | Validation tests results

SPR sensorgrams (HBS-EP+, protein-protein)



Sensorgrams (PBS-P+, protein-LMW compound)



# | Result of pH measurement in validation QC

\* Result of pH measurement in validation QC \*

HBS-EP+ 1x, BAKS	HBS-P+ 1x, BAKS	HBS-N 1x, BAKS	PBS 1x, 5% DMSO, BAKS	PBS-P+ 1x, 2% DMSO, BAKS
7.40	7.41	7.40	7.41	7.39
HBS-EP+ 1x, Cyti**	HBS-P+ 1x, Cyti**	HBS-N 1x, Cyti**	PBS 1x, 5% DMSO, Cyti**	PBS-P+ 1x, 2% DMSO, Cyti**
7.41	7.38	7.40	7.41	7.42

# SMART bottle design, complete buffer preparation in three steps: pour, add and mix



1. Pour, pour 50mL 10X solution from the SMART bottle, no liquid measurement required.



2. Add, add ultra-pure water up to 500mL.



3. Mix, mix well and done

\*No de-gassing required except the equipment without on-line de-gassing function.

## Why the SMART bottle design is preferred by the platform users

Buffer quality is an important factor to SPR instrument maintenance and data quality. According to the experience: more than half of SPR instrument problems are related to buffer quality. The poor quality of the reagents, unfiltered, long use time, and inaccurate pH adjustment will lead to problems in terms of accuracy and repeatability, and even cause damage to the equipment. The person of charge on the platform has to repeatedly check and communicate on the quality of each bottle of buffer.

- **More convenient**, it takes only three steps to prepare 500mL running buffer, to meet the running buffer needs of 1-2 days, ready to use, dispose after use, so always the freshest buffer is running.
- **High quality**, produced using Sigma and Millipore reagents and ultrapure water, professional facility production, double quality control, QC on every batch, ensure the accuracy and repeatability of data from the beginning.
- **Full product portfolio**, providing buffers for protein, small molecules, peptides, nucleic acids and other different applications.
- **More economical**, Save the cost for platforms and enjoy the high quality at the same time

# SPR maintenance kits series

- Type-1 Maintenance Kit
- Type-2 Maintenance Kit
- Type-3 Maintenance Kit
- SPR Desorb Kit
- SPRtest-EP+ Kit
- SPR Sensor Chip Wipes (optical surfacel)



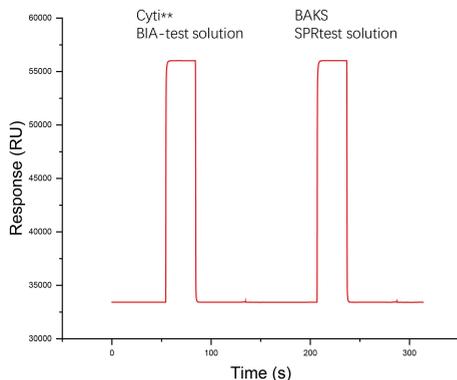
# High quality reagents for outstanding performance

Produced from Sigma pure reagents and Millipore ultra-purified water, complies with ISO 13485, conducts double QC on every lot, good quality for good results.

# Full product portfolio, stable supply

Meet 8K, 1K, T200, T100, S200 and X100 series SPR instruments daily desorbing, sterilization, system check and other daily maintenance tasks, sufficient stock, necessary tools for SPR instrument and platform users.

# SPR test solution comparison results



# System check results

Name:		Date:				
Instrument:	Biacore T200	Instrument at:				
Control file:	System Check Software	Version:	3.2			
Date:	19-Jun-2024	Temperature:	25.0 °C			
File:	system check 20240619_BAKS.suhdat					
<b>Reagent pump</b>						
Isoper:	--1474	(1300 to 1400 RU)	Pass			
Buffer:	--10	(50 to 50 RU)	Pass			
<b>Mixing</b>						
Use 1:	46.2	(45.0 to 55.0 %)	Pass			
Use 2:	46.2	(45.0 to 55.0 %)	Pass			
Difference:	0.3	(+/-0.5 %)	Pass			
<b>Refractometer</b>						
Diluent solution:	Pc 1	Pc 2	Pc 3	Pc 4		
Flow rate:	21107	21210	21175	21200		(2100 to 21000 RU) Pass
Stability level:	83120	83121	83020	83050	149	(+/-400 RU) Pass
Variance:					499	(+/-3000 RU) Pass
<b>Injections</b>						
Flow:	Pc 1	Pc 2	Pc 3	Pc 4		
Flow:	100	100	100	70		(+/-10 %) Pass
Flow:	0	0	0	0		(+/-5 %) Pass
Flow:	0	0	0	0		(+/-0.05 RU) Pass
Flow:	21664	21872	21748	21611		(2000 to 24000 RU) Pass
Dual flow test:	21772	21600				(21400 to 23000 RU) Pass
Dual flow test:	23050	23050				(22000 to 24000 RU) Pass
<b>Injection</b>						
Start time:	Pc 1	Pc 2	Pc 3	Pc 4		
Start time:	0.216	0.206	0.233	0.200		(+/-0.050 RU) Pass

# | Maintenance of SPR systems

Careful and thorough maintenance is important to maintain Biacore's outstanding performance. Many of the malfunctions are caused by poor maintenance. Poor maintenance may also affect the repeatability of the experiment.

**It is required to follow the maintenance guidance in the user manual for the SPR usres of 8K, 1K, T200, S200, and X100 series,**

## **Daily**

- Filter and degas buffer. After running an experiment, always keep system in Standby mode.
- Check the both side of the sensor chip before reusage.

## **Weekly**

- Run Desorb (use Maintenance Kits or desorb kits from BAKS).

## **Monthly**

- Run Desorb and Sanitize (use Maintenance Kits or desorb kits from BAKS).
- Sample and area inspection:
  - Inspect Connector Block and Injection needle for salt residues. If necessary wipe clean using deionized water.
  - Inspect Sample Compartment and Tubing Connectors for salt residues. If found, please contact BAKS 400-136-0316 for advice.
- Pump inspection:
  - Inspect pump tips for leakage (leakage beneath tip) and contamination (residues on tip). If found, please contact BAKS 400-136-0316 for advice.

## **System check and Preventive maintenance**

- Run System Check (use Maintenance Kits from BAKS)
- BAKS Biologics provides Preventive Maintenance service and please contact BAKS 400-136-0316 for advice.

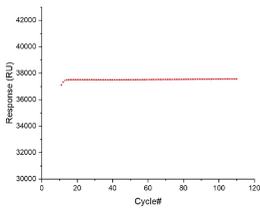
# SPR regeneration solutions series



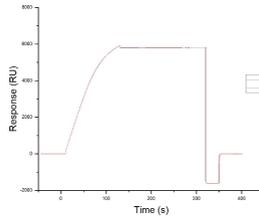
Product	Package	Product code
Glycine-HCl buffer pH 1.5	50mL*1	BK100354
Glycine-HCl buffer pH 2.0	50mL*1	BK100355
Glycine-HCl buffer pH 2.5	50mL*1	BK100356
Glycine-HCl buffer pH 3.0	50mL*1	BK100357
Glycine-HCl buffer comb.	50mL each	BK100359

## Validation tests results

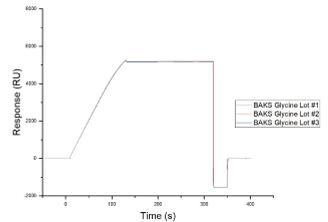
Baseline validation test  
100\*regenerations



Regeneration comparison test



Lot repeatability validation



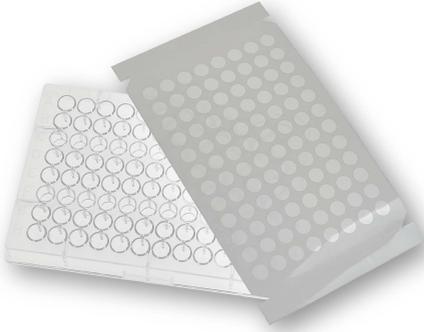
## Result of pH measurement in validation QC

\* Result of pH measurement in validation QC \*

Glycine-HCl BAKS pH1.5	Glycine-HCl BAKS pH2.0	Glycine-HCl BAKS pH2.5	Glycine-HCl BAKS pH3.0
1.52	1.52	2.52	3.00
Glycine-HCl Cyti** pH1.5	Glycine-HCl Cyti** pH2.0	Glycine-HCl Cyti** pH2.5	Glycine-HCl Cyti** pH3.0
1.53	2.04	2.52	2.95



# SPR microplates and foils



- SPR 96-well Microplate Foil
  - SPR 384-well Microplate Foil
  - SPR 96-well Microplate, 300uL
  - SPR 96-well Deep-well Microplate, 1.3mL
  - SPR 96-well Deep-well Microplate, 2mL
  - SPR 384-well Deep-well Microplate, 220uL
- After rigorous suitability testing, compatible with Biacore 8K, 1K and T200 series models, and compatible with a variety of automation workstations;
  - Produced from the imported high-purity polypropylene (PP) raw materials, effective resistance to DMSO, methanol, ethanol and other organic solvents;
  - Manufacture in 100,000 dust-free workshop, packaging, no RNA/DNA enzyme residuals;
  - High quality, QC on every batch, and provide material certification issued by the authority;

MA 330121340164

ISO 9001

CNAS

中国合格评定国家认可委员会  
CNAS L4897

## 检验报告

No 2024-W-205

样品名称: BK28975816-SPR-96 孔板封膜  
委托单位: 北京百美克生物科技有限公司  
检验类别: 委托检验

北京市塑料制品质量监督检验站

北京市塑料制品质量监督检验站

## 检验报告

No 2024-W-205 第2页 共1页

样品名称	BK28975816-SPR-96 孔板封膜	样品数量	2块
委托单位	北京百美克生物科技有限公司	委托人	许德楠
委托单位地址	北京市大兴区亦庄经济技术开发区科创十二街8号合众惠北2C-806	商标	—
生产单位	北京百美克生物科技有限公司	生产日期/批号	2023-11-26/ 2023121
规格型号	BK28975816	收样日期	2024.05.05
样品描述	塑料膜	检测日期	2024.05.07~ 2024.05.11

检验项目: 主成分鉴定

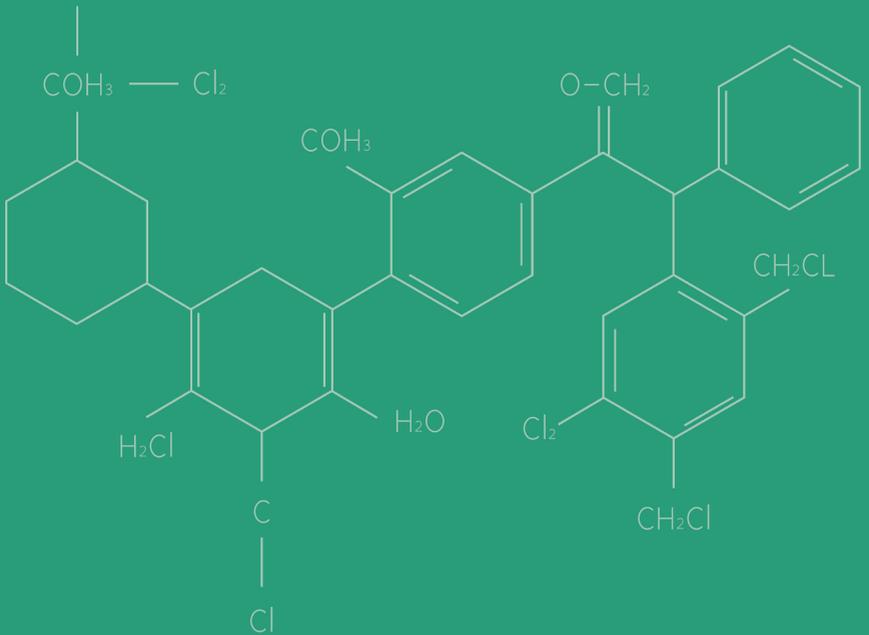
检验结论: 检验结果见第2页。

签发日期: 2024年05月15日

检测日期: 2024.05.07~2024.05.11

检测站: 北京市塑料制品质量监督检验站

# | Ordering information summary



# SPR sensor chips of BCM series

Product	Description	Package	Product code
Type-s Sensor chip BCM10 	Suitable for proteins, peptides nucleic acids and small molecules.	Pack of 1	BK29104989
		Pack of 3	BK29104990
		Pack of 10	BK29104991
Type-s Sensor chip BCM4 	Suitable for applications with ultra-high affinity antibodies or the analysis demanding ultra-low non-specific binding.	Pack of 1	BK10053401
		Pack of 3	BK100534
		Pack of 10	BK10053410
Type-s Sensor chip BCM7 	Suitable for applications of small molecules, compound fragments, and large protein complexes.	Pack of 1	BK28953828
		Pack of 3	BK29147020
		Pack of 10	BK29147021
Type-s Sensor chip BCM3 	Suitable for the analytes of large-size analytes.	Pack of 1	BK10053601
		Pack of 3	BK100536
		Pack of 10	BK10053610
Type-s Sensor chip BCM5 	Suitable for proteins, peptides nucleic acids and small molecules.	Pack of 1	BK29104988
		Pack of 3	BK100530
		Pack of 10	BK29149603

# SPR Amine-coupling kits and immobilization solutions

Product	Description	Package	Product code
Amine-coupling Kit	EDC 750mg NHS 115mg Ethanolamine-HCl(pH8.5) 18ml	1 set	BK100050
Type-2 Amine-coupling Kit	EDC 750mg NHS 115mg Ethanolamine-HCl(pH8.5) 18ml*2	1 set	BK100633
Acetate 4.0	10 mM sodium acetate pH 4.0	50 ml*1	BK100349
Acetate 4.5	10 mM sodium acetate pH 4.5	50 ml*1	BK100350
Acetate 5.0	10 mM sodium acetate pH 5.0	50 ml*1	BK100351
Acetate 5.5	10 mM sodium acetate pH 5.5	50 ml*1	BK100352
Acetate comb.	10 mM sodium acetate pH 4.0, 4.5, 5.0, 5.5	50 ml each	BK100353

# SPR regeneration solutions

Product	Description	Package	Product code
Glycine-HCl buffer pH 1.5	10 mM Glycine-HCl pH 1.5	50 ml*1	BK100354
Glycine-HCl buffer pH 2.0	10 mM Glycine-HCl pH 2.0	50 ml*1	BK100355
Glycine-HCl buffer pH 2.5	10 mM Glycine-HCl pH 2.5	50 ml*1	BK100356
Glycine-HCl buffer pH 3.0	10 mM Glycine-HCl pH 3.0	50 ml*1	BK100357
Glycine-HCl buffer comb.	10 mM Glycine-HCl pH 1.5, 2.0, 2.5, 3.0	50 ml each	BK100359

# | SPR running buffers

Product	Description	Package	Product code
10×HBS-EP+ buffer	0.1M HEPES	50mL*1	BK100669-50
	1.5M NaCl	50mL*6	BK100669-300
	30 mM EDTA 0.5% (v/v) Surfactant P20 Will yield pH7.4 when diluted to 1×	1L	BK100669-1000
10×HBS-N buffer	0.1M HEPES	50mL*1	BK100670-50
	1.5M NaCl	50mL*6	BK100670-300
	Will yield pH7.4 when diluted to 1×	1L	BK100670-1000
10×HBS-P+ buffer	0.1M HEPES	50mL*1	BK100671-50
	1.5M NaCl	50mL*6	BK100671-300
	0.5% (v/v) Surfactant P20 Will yield pH7.4 when diluted to 1×	1L	BK100671-1000
10×PBS buffer	0.2M phosphate buffer	50mL*1	BK100672-50
	27mM KCl, 1.37M NaCl	50mL*6	BK100672-300
	Will yield pH7.4 when diluted to 1× and supplemented with 5% DMSO	1L	BK100672-1000
10×PBS-P+buffer	0.2M phosphate buffer	50mL*1	BK28995084-50
	27mM KCl, 1.37M NaCl	50mL*6	BK28995084-300
	0.5% (v/v) Surfactant P20 Will yield pH7.4 when diluted to 1× and supplemented with 2% DMSO	1L	BK28995084-1000

## SPR Maintenance kits

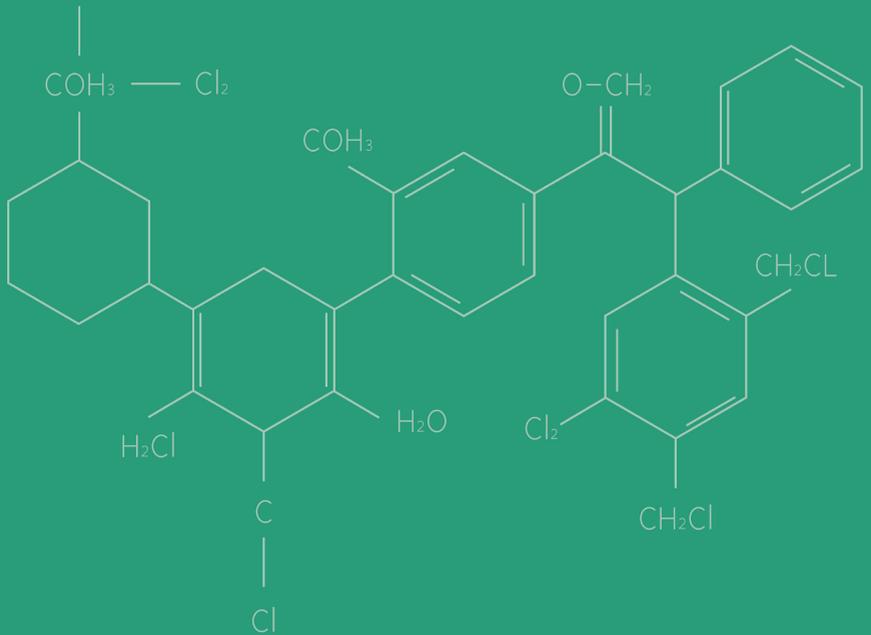
Product	Description	Package	Product code
Type-1 Maintenance Kit	SPRtest-EP+ solution, 100ml*1 SPRdesorb solution1, 100ml*2 SPRdesorb solution 2, 100ml*2 10×HBS-EP+ buffer, 50ml*1	Pack of 6	BK29394521
Type-2 Maintenance Kit	SPRtest-N solution, 100ml*1 SPRdesorb solution 1, 100ml*2 SPRdesorb solution 2, 100ml*2 10×HBS-N buffer, 50ml*1	Pack of 6	BK29394519
Type-3 Maintenance Kit	SPRtest-EP+ solution, 100ml*1 SPRdesorb solution 1, 500ml*1 SPRdesorb solution 2, 500ml*1 10×HBS-EP+ buffer, 50ml*5	Pack of 6 500mL*2 each	BK29229054
SPR Desorb Kit	SPRdesorb solution 1, 500ml*1 SPRdesorb solution 2, 500ml*1	500mL each	BK100823
SPRtest-EP+ Kit	SPRtest-EP+ solution, 100ml*1 10×HBS-EP+ buffer, 50ml*5	Pack of 6	BK29717615
SPR Sensor Chip wipes (optical surface)	To remove liquid and salt residues on the optical face of sensor chips, reduce damages to glass	Pack of 50 pieces	BK29229066

## SPR microplates and foils

Product	Description	Package	Product code
SPR 96-well Microplate Foil	Suitable for Biacore 8K, T200, and 1K series	100/pack	BK28975816
SPR 384-well Microplate Foil	Suitable for Biacore 8K, T200, and 1K series	100/pack	BK100577
SPR 96-well Microplate, 300uL	Working volume, 250uL	100/pack	BK100503
SPR 96-well Deep-well Microplate, 1.3mL	Working volume, 1000uL	100/pack	BK260252
SPR 96-well Deep-well Microplate, 2mL	Working volume, 1700uL	100/pack	BK278752
SPR 384-well Deep-well Microplate, 220uL	Working volume, 200uL	100/pack	BK781270
SPR Type-2 Rubber Caps	Suitable for 16mm glass vials and 11mm plastic vials	400/pack	BK100411



# | Maintenance, Leasing and Refurbished



# | Full-care warranty, preventive-maintenance and field-services

The routine maintenance of SPR instruments is an important part of the management of analytical instruments, which is crucial to keep the good performance and accuracy of SPR systems, and obtain data of high quality and high repeatability. With more than 10 years of experience in SPR systems service, BAKS provides customers with comprehensive and agile services to quickly troubleshoot and repair equipment. At the same time, we also provide regular preventive maintenance services to ensure long-term stable work of equipment and extend the service life of equipment.

We provide our customers with the best quality service with the highest technical standards and the most competitive prices, and we also provide professional maintenance and repair services for imported chromatographic systems, so that the protein preparation and analysis experiments can be successfully completed.

## | Full-care warranty

- ✓ Routine preventive maintenance
- ✓ Device filing for long-term service
- ✓ Quarterly on-site inspection
- ✓ Spare parts warehouse in Beijing + quick response
- ✓ SPR application and methodology development support
- ✓ Enjoy extra 20% off on SPR reagent and kits products
- ✓ Full warranty and preventive maintenance for Biacore 8K, 1K, T200, S200, X100 series, and AKTA Avant, Pure, Pilot, Process series.

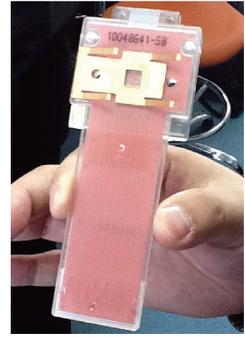


\* Laboratory real photos

# Preventive Maintenance

We offer routine Preventive Maintenance service to SPR equipment to prevent equipment from warning or damage, improving the overall performance and service-life of the equipment. Our field engineers will carry out a thorough equipment inspection to ensure that all parts of your equipment are in good working condition. We purchase high quality spare parts to ensure the best performance and durability of the equipment.

- Replace the IFC
- Replace SPR optical interface
- Replace peristaltic pump tubes
- Replace the pump plunge tips
- Lubricate injection pump system
- Check and clean the surface of the optical prism
- Check docking function
- Check and clean the temperature control unit
- Check, clean and lubricate the sampling system
- Check and correct the sensor chip operating system
- Check the gas system



## Suggestions on PM interval:

T200, S200, 1K: 1-2/year

8K, 8K+: 1-2/year

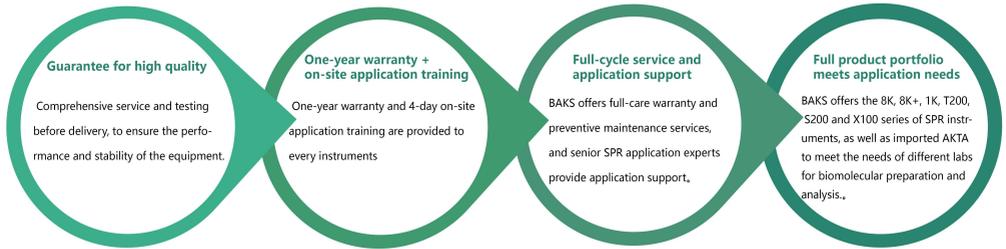
X100, X100 Plus: 1/year



# The refurbished instruments of approved-quality

The refurbished instrument of approved-quality, after rigorously service and verification is the ideal choice to reduce your investment pressure. All of BAKS refurbished instrument is thoroughly tested, inspected and serviced by the senior engineers to ensure the performance and stability of the equipment before delivery.

At the same time, we provide the full cycle of application support and service, all the new users are provided with a one-year warranty and a 4-day on-site application training, and you can continue to choose the warranty and preventive maintenance services from BAKS, to have you enjoy the whole cycle of purchasing and using.



Biacore 8K



Biacore T200



Biacore X100 plus



Orbitrap Exploris 480  
Mass spectrometry system



Q Exactive Mass spectrometry system



ÄKTA avant

# | SPR equipment leasing

SPR instrument leasing is undoubtedly a cost-effective and flexible choice to the SPR users with short-term project needs. With an experienced technical team and application team, BAKS provides users with high-performance SPR instruments and comprehensive application support, which help users quickly start the screening, characterization and molecular interaction projects, meanwhile, reduce the hardware investment pressure. BAKS has provided the instrument leasing services to the users in Suzhou, Shanghai, Chengdu and other places, and has received favorable feedbacks.

## 1. Good quality product for good quality data

The equipment goes through comprehensive service and tests before delivery, IQOQ is available, and routine preventive maintenance is conducted to ensure the instrument in a high performance state.

## 2. Professional application support

The senior SPR experts in BAKS provide full-cycle application support, including on-site equipment training, on-site methodology development guidance and weekly SPR operation briefings, to help developing qualified person for the SPR projects.

## Offer with SPR reagent package to help quick start

BAKS offers a package of SPR reagents which includes all the coupling, regeneration, running, and maintenance for daily operation, so that the project can be started on the day of installation.

At the same time, the users purchase BAKS BCM series biochips and reagents, and enjoy an additional 88% discount.

## 4. Full product portfolio meets application needs

BAKS offers the 8K, 8K+, 1K, T200, S200 and X100 series of SPR instruments, as well as imported AKTA to meet the needs of different labs for biomolecular preparation and analysis.



S200

- The highest sensitivity
- Suitable for small molecules, fragments, and membrane proteins.



T200

- Full functions and high sensitivity
- Suitable for new drug development, R&D, CRO and academic platforms



X100

- The most economic choice
- Suitable for purchase by a single lab



8K, 8K+

- High throughput
- Suitable for large-scale screening and development

# BAKS Biologics, all for biomolecular analysis

BAKS Biologics Co., Ltd. is a high-tech company focusing on providing bioanalysis technology services based on SPR, mass spectrometry, Computer Aided Drug Design (CADD) and structural biology for pharmaceutical and academic users, providing analysis biochip and consumable products, instrument maintenance and leasing, and the refurbished instruments.

The company is made of over 10 technical experts who have been professional in SPR, mass spectrometry, CADD, X-ray crystallography analysis and service for years, and also cooperates with a number of biomolecular analysis experts as long-term consultants.

Since 2016, we have successfully provided analysis and services for many customers in Shanghai, Beijing, Suzhou and Guangzhou, including biosimilars, Mab, ADC, and TCM, and have established long-term cooperative relations with many pharmaceutical companies and research institutes, covering proteins, peptides, small molecules, nucleic acids, a TCM, polysaccharides and other biomolecular samples.

BAKS also provides Biacore, AKTA users with comprehensive and agile services or preventive maintenance based on the professional service and application team in BAKS.

[baks.com.cn](http://baks.com.cn)



## CONTACT INFORMATION

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QR code of official account



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