



FT-BB198a

## An economic, easy-to-use horizontal electrophoresis system with resolutive and cost-effective pre-cast gels

The GeBa Electrophoresis system is a novel semi dry horizontal pre-cast gel system. Each research can have its own electrophoresis units instead of sharing costly systems!

- **User-friendly** protein electrophoresis system.
- **Easy-to-use:** horizontal apparatus (deposit sample with standard pipette tips).  
**No special loading tips needed**, agarose standard-loading tips used.  
**No leakage** of running buffer from inner tank to the outer tank.
- **Running buffer saving**, use 150 ml only, with the same standard Tris-glycine running buffer even for peptides
- **High resolution:** sharper bands provide clear accurate results.
- **Multiple applications:** proteins, peptides \*
- **Cost-effective & 12-months shelf-life guarantee.**



The horizontal design simplifies considerably handling procedure:

- No more cumbersome assembly of the gel with the running apparatus.
- No adaptors required
- Robust sample wells dividers eliminate damage when removing the comb and loading, and don't deform or fall over.
- Effortless cassette opening compared to competitor pre-cast gels.

The GeBa Electrophoresis system is a very versatile system, for protein, peptide as well nucleic acids! Gels can be removed easily, stained, electroeluted for MS, or electrotransferred using standard membrane transfer buffer.

Comparison of GeBaGel system with standard pre-cast gel (vertical) electrophoresis systems:

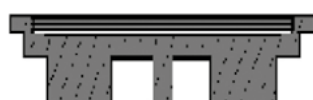
	Competitors	GeBaGel system
Mode	Vertical	Horizontal
System assembly	Assembly is awkward and need skill	Plug and play
Sample loading	Need skill, special loading tips	Easy
Leakage possibility	Exists from time to time	Not exists
Volume of buffer / run	500mL or more	only 150mL
Protein	costly buffers (MOPS, MES, HEPES)	regular Tris.Glycine buffer
Peptide	costly Tricine or MES buffer	regular Tris.Glycine buffer

	Home made gels	Pre-cast gels pH8.7	Pre-cast gels pH7	GeBaGels
Storage	---	-	++	++
Resolution	++	++	+	++
Reproducibility	+	+	++	++
Cost	1-2€/gel for reagents + >1H handling time* (25 to 7€ for 1 to 8 gels)	Expensive (8-12€/gel)	Expensive (11-15€/gel)	Intermediate (7-9€/gel)
Applications	Proteins, Peptides	Proteins	Proteins	Proteins, Peptides, DNA, RNA

\* preparation of buffers, of the separation gel then pouring it... same for the stacking gel, ... washing the glass slide



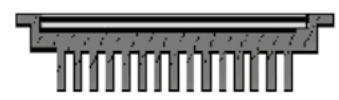
700+(10)µl



200+(10)+200µl



10 x 35µl



15 x 25µl

## Wells Volume

Product	1+(1) wells	1+(1)+1 wells	10 wells	15 wells
<b>GeBaGel (Tris-Glycine)</b>	<b>10 units</b>	<b>10 units</b>	<b>10 units</b>	<b>10 units</b>
10% GeBaGel		UVA830		
10% GeBaGel	DZ3841	DZ3911	BI9695	RC7582 <sup>(1/S)</sup>
12% GeBaGel	DZ3851	DZ3911	BI9705 <sup>(6/S)</sup>	RC7592 <sup>(1/S)</sup>
15% GeBaGel		UVA840	UVA850	
17% GeBaGel	DZ3891	DZ3971	BI9731	RC7632 <sup>(1/S)</sup>
4-12% GeBaGel	DZ3861	DZ3931	BI9715 <sup>(6/S)</sup>	RC7612 <sup>(1/S)</sup>
4-20% GeBaGel	DZ3881	DZ3961	RC7732 <sup>(2/S)</sup>	RC7611
8-16% GeBaGel	DZ6871	DZ3941	BI9725 <sup>(6/S)</sup>	RC7622 <sup>(1/S)</sup>
<b>GeBaGel (TBE-Urea)</b>	<b>8 units</b>	<b>8 units</b>	<b>8 units</b>	<b>8 units</b>
6% GeBaGel TBE-Urea	RC7640	RC7660	DZ4050	DZ4080
12.5% GeBaGel TBE-Urea	RC7650	RC7670	DZ4060	DZ4090
<b>GeBaGel (TBE)</b>	<b>8 units</b>	<b>8 units</b>	<b>8 units</b>	<b>8 units</b>
6% GeBaGel TBE	DZ4120	DZ4140	DZ4160	DZ4181
12.5% GeBaGel TBE	DZ4130	DZ4150	DZ4170	DZ4190

### Geba Electrophoresis system

**GEBARUNNER** BI9740, 1u  
Electrophoresis system

**Starter kit :** BI9741, 1 kit  
1 GebaRunner + 10 gels

### Accessory reagents:

Name and Description	Product Number, Package Size
<b>Loading buffer 3X</b> (final conc.) 125mM Tris-HCl, pH 6.8, 4% (w/v) SDS, 20% glycerol, 0.2mg/mL of bromphenol blue, 31mg/mL of DTT.	CL6200, 1mL
<b>Running buffer for native gels, 10X</b> 10x concentrate running buffer for native gel (sufficient for 30 gels)	GRBN, 0.5L bottle
<b>Running buffer for denatured gels, 10X</b> 10x concentrate running buffer for denatured gel (sufficient for 30 gels)	GRBD, 0.5L bottle

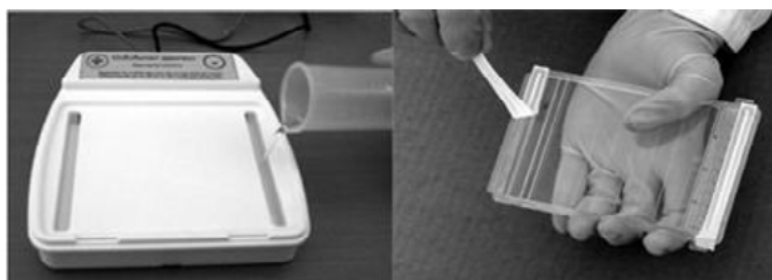
### Related products/documents

- [NEXT gels](#): ultra-resolutive, ultra-rapid
- [Gel Staining](#): LavaPurple, CooBlue, ProSave
- [OMX gel](#) digestion for MS analysis
- [Blotting membranes](#): Nytran Protran Westran

### More description

The GeBAGel horizontal electrophoresis system is a revolutionary pre-cast polyacrylamide mini-gel system. GeBAGel is the only ready-to-use pre-cast system providing horizontal mode operation.

GeBAGel is now available with 10 wells (40ÅµL sample volume) and 15 Wells (25ÅµL sample volume). The gels contain no SDS, making them ideal for protein analysis, both native and denatured electrophoresis conditions and for low molecular weight DNA/RNA analysis.



**STEP 1**

**STEP 2**

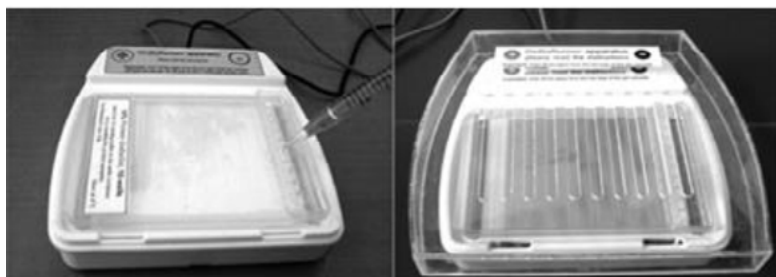
Due to the horizontal operation the GeBA-Runner eliminates the nuisance and time consumption of buffer spills occurring in the vertical systems from the top to bottom buffer chambers. The GeBARunner also contributes to greater resolution of protein separation with sharp and clear protein bands. In addition to this the GeBARunner reduces heat inside the gel while insuring equal heat distribution over the entire gel surface. This in turn helps to generate totally smile free band separation. To increase the security of the system, the GeBA-Runner include a built in proximity sensor, located in the protective safety cover, which detect removal of the cover and shut down the electrical power to the unit.

The GeBA-Runner requires no adaptor for use and can be easily plugged in to any power supply unit. Most power supply units can power multiple GeBA-Runners simultaneously. The operator need only limit the overall current supplied to the GeBA-Runners to 160V. In an unprecedented leap in electrophoresis technology the GeBAGel & GeBA-Runner are compatible with robotic well loading and unloading, which mark the next evolution of the electrophoresis process.



**STEP 3**

**STEP 4**



**STEP 5**

**STEP 6**

### More Advantages of GebRunner/GebaGels system

	Standard Vertical Systems	GeBaGel system
Mode	Vertical	Horizontal
Samples	Can not run DNA / RNA	Run proteins, Peptides, DNA, RNA
Operating	Need Assembly	Plug and play
Sample loading	Difficult, risk of cross-talks between wells	Easy
Leakage possibility	Exists from time to time	Not exists
Buffer	500mL or more of costly buffers (MOPS, MES, HEPES, Tricine or MES)	Only 150mL per gel of only one buffer that runs all (Tris.Glycine)
Cost / run (gel + buffer + time)	expensive	Low cost

- User-friendly protein electrophoresis system.
- No more cumbersome assembly of the gel apparatus.
- No leakage of running buffer from upper tank to the lower tank.
- No special loading tips required.
- No need for adaptors on the power supply unit
- No special loading tips required.
- Standard tris-glycine running buffer for all GeBAGels.
- The same gel for protein, DNA and RNA analysis.
- Standard membrane transfer buffer.
- Sharper bands provide clear accurate results.
- Reinforced sample wells eliminate damage when removing comb and loading samples.
- Robust sample well dividers don't deform or fall over.
- Elimination of sample wells cross contamination.
- Effortless cassette opening.
- 12 month shelf life guaranteed.
- 60 minute run time.
- Foolproof well access.

### Ordering information

Catalog size quantities and prices may be found at [www.interchim.com](http://www.interchim.com). Please inquire for higher quantities (availability, shipment conditions).

For any information, please ask: Interchim; Hotline: +33 4 70 03 73 06