

BG-subMIDI sub marine system quick start manual

After the agarose gel has solidified, sample loading and electrophoresis can begin. Agarose gels can be run in many different types of electrophoresis buffers. Nucleic acid agarose gel electrophoresis is usually conducted with either Tris-Acetate-EDTA (TAE) buffer or Tris-Borate-EDTA (TBE) buffer. While TAE buffer provides faster electrophoretic migration of linear DNA and better resolution of supercoiled DNA, TBE buffers have a stronger buffering capacity for longer or higher voltage electrophoresis runs.

1. Prepare samples for gel loading. Loading volume is dependent upon the type of comb used (i.e., well thickness and length) and thickness of the gel.
2. When loading volume is determined, add standard nucleic acid sample loading dye to a final 1x concentration to make samples dense for underlaying into sample wells.
3. Load the samples into the wells using standard pipets.
4. Place the lid on the cell carefully. Do not disturb the samples. BG-subMIDI sub marine system lids attach to the base in only one orientation. To attach the lid correctly, match the red and black banana jacks on the lid with the red and black banana plugs of the base.
5. Power requirements vary depending on gel thickness, length and concentration, and type of electrophoresis buffer used.

BG-subMIDI sub marine system

Base footprint (L×W×H)	300×165×80 mm
Base buffer volume	650 ml
Base gel size	12×12 cm
Gel tray sizes	12×12 cm、12×6 cm、6×12 cm、6×6 cm
Fixed Position Comb (Double Sided Comb)	6 and 13well, 0.75mm thick 8、11 and 18well, 0.75mm thick 8 and 18 well, 1.5mm thick 2、6 and 13 well, 1.5mm thick

Packing list

Item	Quantity	Item	Quantity
buffer chamber	1	Safety Lid and Cables	1
electrode	1	Gel Caster	1
	5		4
Gel Tray	12×12cm(1) 12×6cm(1) 6×12cm(1) 6×6cm(2)	Fixed Position Comb (Double Sided Comb)	6 and 13well, 0.75mm thick 8、11 and 18well, 0.75mm thick 8 and 18 well, 1.5mm thick 2、6 and 13 well, 1.5mm thick
User Manual	1	Qualified certificate	1



BG-subMIDI 水平电泳仪快速使用说明书

1. 将白色方格状的制胶架放在一个水平的桌面上，然后将凝胶托盘放置到制胶架中相应的格子里，之后再放梳子于狭槽里。制胶架可以制作 $12 \times 12\text{cm}$ ， $12 \times 6\text{cm}$ ， $6 \times 12\text{cm}$ ， $6 \times 6\text{cm}$ 四种规格的凝胶。
2. 当琼脂糖溶液冷却到 60°C ，将其倒入凝胶托盘中。注意气泡。
3. 琼脂糖溶液凝固后（室温，经 30-45 分钟放置），轻轻少许活动再拔掉梳子。把凝胶托盘移入电泳仪，加入缓冲液（如需要可加 EB，终浓度 $0.5\mu\text{g} / \text{ml}$ ），使其没过胶面约 1mm。将样品与上样缓冲液混合好，加入浸没于缓冲液中的凝胶样品孔中。注意避免引入气泡。
4. 扣好上盖，连好电源与电泳仪之间的电泳连线。建议条件： 150V 恒压，时间约 60-80 分钟。
5. 电泳结束后，先关闭电泳仪电源；再拔下电泳连线，打开电泳仪上盖，取出凝胶托盘。

提示：如有问题，请到本公司网站下载详细说明书。

技术参数

电泳槽尺寸(长×宽×高)	300×165×80 mm
缓冲液体积	650 ml
最大凝胶尺寸	12×12 cm
凝胶托盘尺寸	12×12 cm、12×6 cm、6×12 cm、6×6 cm
定位梳子的尺寸 (双面梳子)	6 和 13 孔, 0.75 mm 厚 8、11 和 18 孔, 0.75 mm 厚 8 和 18 孔, 1.5 mm 厚 2、6 和 13 孔, 1.5 mm 厚

装箱单

配件	数量	配件	数量
主槽	1 个	上盖及电源线	1 套
可换电极	1 对	制胶架	1 个
凝胶托盘	5 个	梳子	4 把
	12×12 cm (1 个)		6 和 13 孔, 0.75 mm 厚
	12×6 cm (1 个)		8、11 和 18 孔, 0.75 mm 厚
	6×12 cm (1 个)		8 和 18 孔, 1.5 mm 厚
	6×6 cm (2 个)		2、6 和 13 孔, 1.5 mm 厚
使用说明书	1 份	合格证	1 个