РЕЗЕРВУАРЫ И СИСТЕМЫ ПЕРЕНОСА mPAGE

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Россия +7(495)268-04-70
Казахстан +7(7172)727-132
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mPAGE® Mini Gel Tank

Introduction

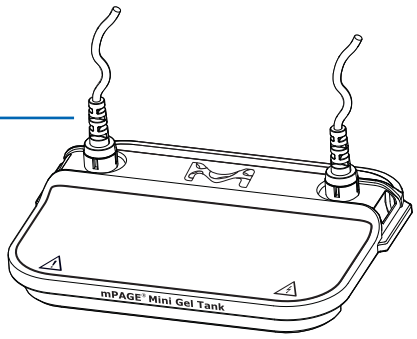
The mPAGE® Mini Gel Tank is used to perform electrophoresis with precast or hand cast polyacrylamide gels. The one core system includes the primary electrode core and allows up to two gels to be run simultaneously. The two core system includes the primary and secondary electrode cores and allows up to four gels to be run at once.

To achieve the best performance, please read carefully and operate the instrument strictly according to this user guide.

Components

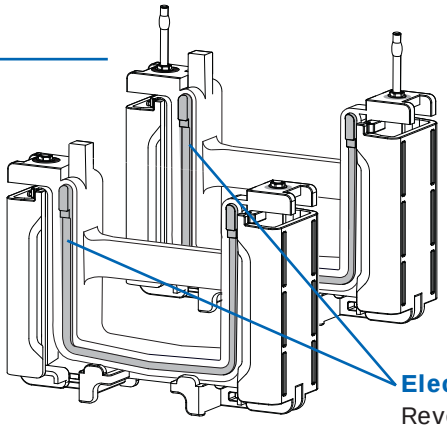
Electrode cables
Cables attached to the lid containing metal leads that allow voltage transfer from power supply to electrode core.

Tank lid
Lid with electrode cables. The lid design prevents incorrect assembly.



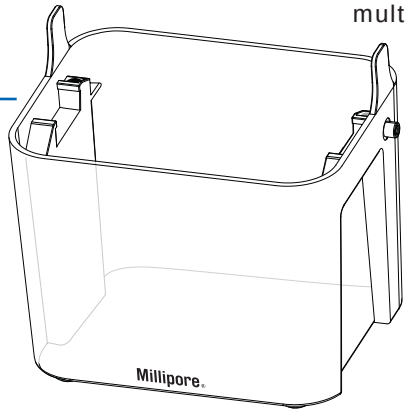
Primary electrode core
Contains the anode and cathode electrode connector leads; anode is marked red while the cathode is marked black. Secures up to two gels via the electrode core gasket and core clamps. Primary electrode core must be positioned in line with the lid alignment tabs.

Secondary electrode core
Contains flat electrode connectors. Anode and cathode are marked red and black, respectively. The secondary electrode core holds gel cassettes 3 and 4, and secures gels via the electrode core gasket and core clamps. Only used when running 3 or 4 gels.



Electrode Core Gasket
Reversible silicone gasket that allows for use of multiple gel cassette types.

Tank
Holds the electrode core(s) and running buffer. Contains alignment tabs that correctly orient the lid.



Buffer dam
Used when running an odd number of gels. (not shown)

Gel Releasers
Used to separate the glass plates when hand cast gels are used and detach the gel. (not shown)

Required Materials (not supplied)

- Power Supply
- Running buffer
- Gels
- Sample loading buffer

mPAGE® Mini Wet Transfer System

Introduction

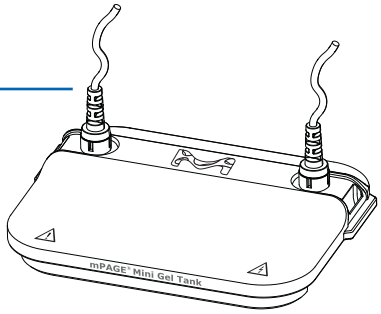
The mPAGE® Mini Wet Transfer System facilitates the transfer of proteins from a mini acrylamide gel to a blotting membrane. Wet Transfer is a powerful method that efficiently blots proteins separated by SDS-PAGE onto a nitrocellulose or PVDF blotting membrane. Once proteins are transferred to a membrane, target proteins can then be detected and visualized via immunodetection. Proteins of interest are recognized by a primary antibody, which is then recognized by a labeled secondary antibody that allows for target protein visualization.

To achieve the best performance, please read carefully and operate the instrument strictly according to this user guide.

Components

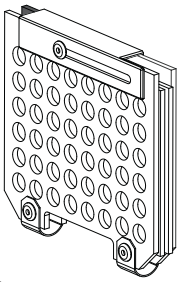
Electrode cables
Metal leads allow power transfer from power supply to the transfer module.

Tank lid
Lid with electrode cables. The lid design does not allow for incorrect attachment.

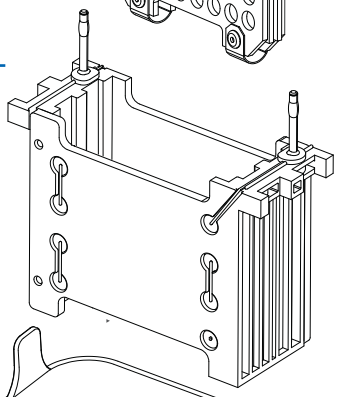


Transfer cassettes

Holds the transfer blotting sandwich. Color coded with a locking clip.

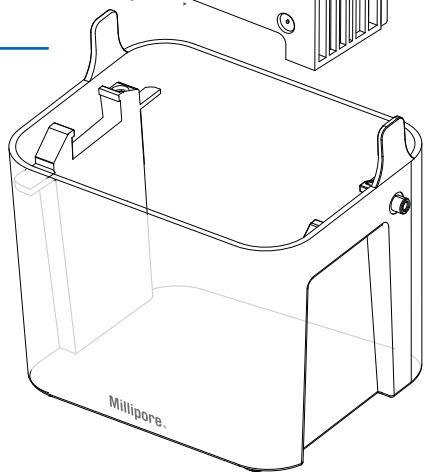


Transfer module
Used to hold the transfer cassettes. Contains the anode and cathode electrode connector leads, anode is red while the cathode is black.

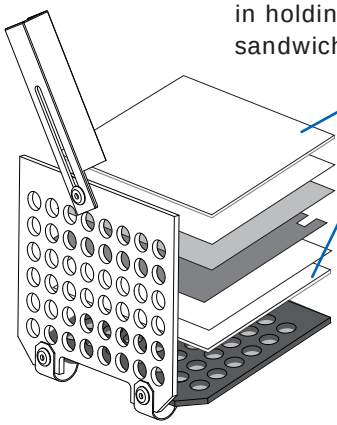


Tank
Holds the transfer module and transfer buffer. Lid attaches on top.

Freezer pack
Cold pack to help prevent overheating during long transfers. Store at -20 ºC. (not shown)



Macroporous Sponge
Fiber sponge that aids in holding the blotting sandwich tightly together.



Required Materials (not supplied)

- Blotting membrane
  7 cm x 8.5 cm, 1 per gel
- Filter paper
  7 cm x 8.5 cm, 2 per gel
- Mini gel
- Transfer buffer, 1.5 L
- Shallow dish, large enough to fit the transfer cassette
- Additional dishes for membrane wetting/incubation and wetting marcopouros sponges and filter paper
- Blot roller

Product Ordering

SDS-PAGE and Transfer Systems

Description	Qty	Catalogue Number
mPAGE® Mini Gel Tank, 2 gel	**1**	**MGT-2**
Contains:		
mPAGE® Tank	1	
mPAGE® Tank Lid with Electrode Cables	1	
mPAGE® Primary Electrode Core	1	
mPAGE® Buffer Dam	1	
mPAGE® Gel Releasers	5	
mPAGE® Mini Gel Tank, 4 gel	**1**	**MGT-4**
Contains:		
mPAGE® Tank	1	
mPAGE® Tank Lid with Electrode Cables	1	
mPAGE® Primary Electrode Core	1	
mPAGE® Secondary Electrode Core	1	
mPAGE® Buffer Dam	1	
mPAGE® Gel Releasers	5	
mPAGE® Mini Wet Transfer System	**1**	**MWTS**
Contains:		
mPAGE® Tank	1	
mPAGE® Tank Lid with Electrode Cables	1	
mPAGE® Mini Wet Transfer Module	1	
mPAGE® Mini Wet Transfer Cassette	2	
mPAGE® Macroporous Sponge	5	
mPAGE® Freezer Pack	2	

SDS-PAGE and Transfer Additional Parts

mPAGE® Mini Wet Transfer Module	1	MWTM
mPAGE® Mini Wet Transfer Cassette	1	MWTC
mPAGE® Macroporous Sponge	5	BLSP5
mPAGE® Freezer Pack	1	FP2
mPAGE® Electrode Core Gaskets	2	ECG2
mPAGE® Electrode Core Clamp	2	ECCL2
mPAGE® Primary Electrode Core	1	ECPRIME
mPAGE® Secondary Electrode Core	1	ECSEC
mPAGE® Buffer Dam	1	BDAM1
mPAGE® Tank Lid with Electrode Cables	1	MLID1
mPAGE® Replacement Tank	1	TNK1

SDS-PAGE and Transfer Reagents

Description	Qty	Catalogue Number
mPAGE® Color Protein Standard	500 µL	MPSTD4
mPAGE® Unstained Protein Standard	500 µL	MPSTD3
mPAGE® Western Protein Standard	250 µL	MPSTD2
MES SDS running buffer powder for mPAGE® Bis-Tris gels, each packet makes 1 L	5 pk	MPMES
MOPS SDS Running Buffer Powder for mPAGE® Bis-Tris gels, each packet makes 1 L	5 pk	MPM0PS
mPAGE® Transfer Buffer Powder, each packet makes 1 L	10	MPTRB

Gel Caster and Device Kits

mPAGE® Gel Caster, 2pk	1	GCR2
mPAGE® Gel Casting Kit, 0.75 mm	1	MGCK-75M
mPAGE® Gel Casting Kit, 1.0 mm	1	MGCK-10M
mPAGE® Gel Casting Kit, 1.5 mm	1	MGCK-15M

Gel Casting Reagents

TurboMix® Bis-Tris Polyacrylamide Gel Casting Kit	1 KIT	TMKIT-60
TurboMix™ Resolving Solution	216 mL	TMRES-216ML
TurboMix™ Stacking Solution	120 mL	TMSTK-120ML
Ammonium persulfate, for molecular biology, suitable for electrophoresis, ≥98%	25 G	A3678
	100 G	A3678
N,N,N′,N′-Tetramethylethylenediamine (TEMED)	25 mL	T9281
	50 mL	T9281
	100 mL	T9281

Immunodetection Devices

SNAP id® 2.0 Systems

Mini, 7.5 cm x 8.4 cm	2	SNAP2MINI
MultiBlot, 4.5 cm x 8.4 cm	2	SNAP2MB3
Mini, 7.5 cm x 8.4 cm and MultiBlot, 4.5 cm x 8.4 cm	1 pk	SNAP2MB1

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