Mupid®-exu
New generation submarine electrophoresis system

- **multi function power supply**
  - timer function (0-99 min.)
  - 7 voltage variations
  - safety lid with interlock system
  - current regulation
  - storage of set values
  - global input voltage compatibility
- **uv transparent electrophoresis tank**
  - multichannel-pipette compatible
  - washable
- **gel trays**
  - 6cm and 12cm uv transparent trays
- **safety lid**
  - functionally designed handgrip
- **combs**
  - 13 and 26 well combs
  - multichannel-pipette compatible
- **gel casting stand**
  - comb position easily changed
  - up to 4 combs per gel

CAT# MPDEXU-01
   unit includes combs, trays, power supply
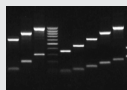

ACCESSORIES

GeneCatcher
Disposable gel excision tips

CAT# PKB4.0 / PKB6.5
   250 tips/bag

CAT# PKB4.0-R / PKB6.5-R
   5 racks of 48 tips

Isolator
Agarose for gel electrophoresis

CAT# AGD050, 50g

CAT# AGD100, 100g

CAT# AGD250, 250g

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*micro***LYSIS**®-PLUS

Tough cells, (eg. plant and animal tissue) to PCR in thirty minutes

Protocol:
- Mix cells with 20 µl **microLYSIS®-PLUS**
- Overlay with mineral oil if necessary
- Place in a Thermal Cycler

Lysis Profile 1** - For most cells
Step 1: 75°C for 5 minutes
Step 2: 95°C for 2 minutes
Step 3: 20°C hold

Lysis Profile 2 - For tough cells
Step 1: 65°C for 15 minutes   Step 5: 65°C for 1 minute
Step 2: 96°C for 2 minutes   Step 6: 96°C for 30 seconds
Step 3: 65°C for 4 minutes   Step 7: 20°C hold
Step 4: 96°C for 1 minute

After lysis, all of the microLYSIS®-PLUS/DNA mixture can be used directly in PCR. It can make up to 40% of most PCR mixutres. Or it can be stored at -20°C for future use.

* Free from PCR inhibitors

** Lysis profile 1 is not recommended for long term storage of the released DNA.

NOTE: microLYSIS®-PLUS is a complex solution which releases (does not purify) the DNA from the cells. Estimation of DNA yield after lysis can therefore not be done using a spectrophotmeter.

CAT# 2MLP-100 - 100 preps
CAT# 2MLP-250 - 250 preps

Store at –20°C
For Research Only

FOR A COMPLETE SYSTEM
Order **microLYSIS®-PLUS** and **MegaMix~Royal**

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gel company
665 Third Street, Suite 240 | San Francisco, CA 94107
415-247-8760 (tel) | 415-247-8765 (fax)
www.gelcompany.com

gel company

B2MLP

Mega**Mix**~**Royal**

For tricky or unpredictable PCR

Protocol:
Take 12.5 or 25 µl **MegaMix~Royal**
Add 1 µl of primer mix
Add template and make up to 25 or 50 µl with water
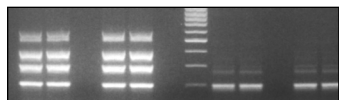
Pentaplex PCRs with Microzone's DNAOK! kit using MegaMix~Royal as the PCR mix on the left hand side and MegaMix~Blue on the right hand side.

- simple and easy to use
- highly consistent results
- great value for money
- excellent stability without affecting fidelity
- saves money due to reduced pipetting, plastics and Taq wastage
- saves time and increases convenience, as blue loading dye is included
- prevents non-specific products and primer-dimers forming during PCR

CAT# 2MMR-05
200 x 25µl

FOR A COMPLETE SYSTEM
microLYSIS®-PLUS for rapid DNA release pre-amplification
microCLEAN for rapid post-amplification clean-up

gel company

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Mega**Mix**~**Gold**

For Real-Time PCR

Protocol:
Take 12.5 or 25 µl **MegaMix~Gold**
Add 1 µl of primer mix
Add template and make up to 25 or 50 µl with water

- simple and easy to use
- highly consistent results
- excellent stability without affecting fidelity
- saves money due to reduced pipetting, plastics and Taq wastage
- available with ROX reference dye

CAT# 2MMG-05 - 200 x 25µl
CAT# 2RMMG-05 - 200 x 25µl

FOR A COMPLETE SYSTEM
microLYSIS®-PLUS for rapid DNA release pre-amplification
microCLEAN for rapid post-amplification clean-up
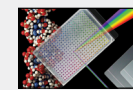
ACCESSORIES
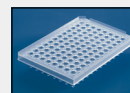
Detection Plate
Optically clear 96 well
semi-skirted plates

CAT# MAP100C $75
25 units - Clear

ThermalSeal RT
Optically clear film
for Real-Time PCR

CAT# MAF800
100 units - 2 mil thickness