



# MicruX<sup>®</sup> μHV

# MicruX<sup>®</sup> $\mu$ HV

$\mu$ HV (ref. uHV2011) is a compact and portable *High Voltage Power Supply* for carrying out “*in-situ*” applications.

The miniature high voltage power supply makes easier and safe you work with high voltage.

A powerful tool for using in electrophoresis and other multiple applications.

*Miniaturization*

*Easy-handle*

*Portable*

*Adaptable*

*Low-cost*

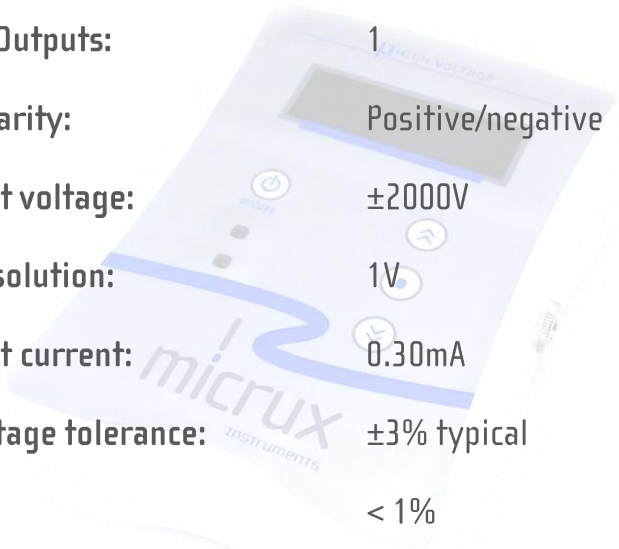
*Low power requirements*



# MicruX<sup>®</sup> $\mu$ HV

- » Dimensions: 140 x 100 x 40 mm (L x W x H).
- » Controls: on/off, voltage up/down, apply voltage.
- » High resolution LCD display: voltage selection, output voltage, battery level.
- » Monitoring “true” output high voltage.
- » Battery-powered (Li-Ion – 3.7 V · 4800 mAh).
- » LED indicators: power, applying voltage, charging battery.

## TECHNICAL SPECIFICATIONS



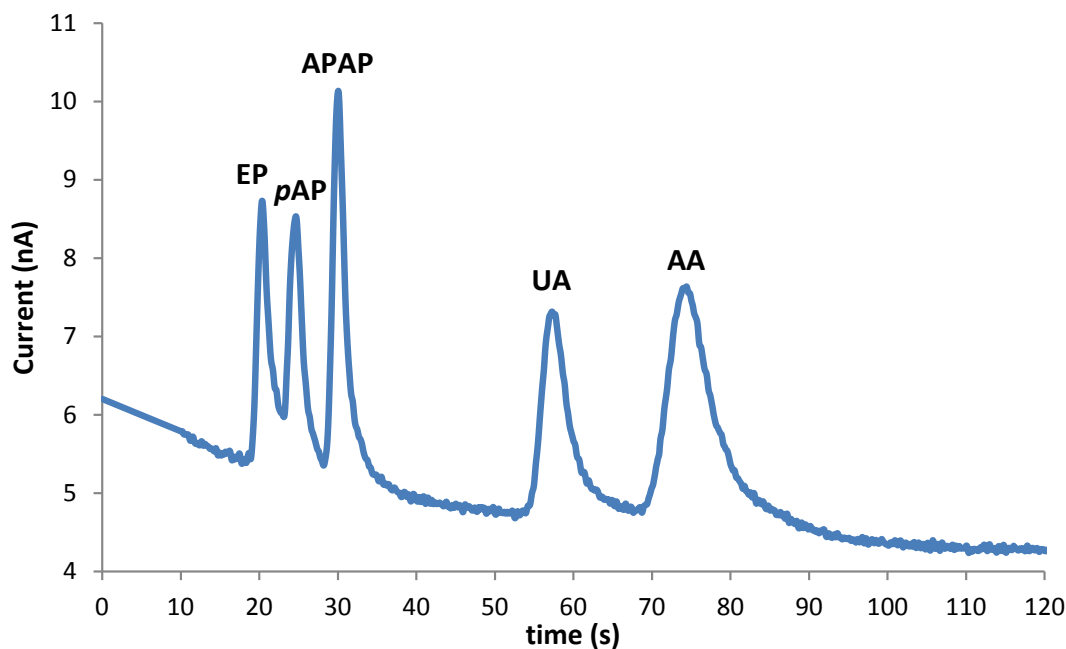
» Power:	1.5W
» Channels/ Outputs:	1
» Output polarity:	Positive/negative
» Max. output voltage:	$\pm 2000V$
» Voltage resolution:	1V
» Max. output current:	0.30mA
» Output voltage tolerance:	$\pm 3\%$ typical
» Ripple:	< 1%
» Operating temperature:	-10°C to +60°C

*Specifications are subject to change without previous notice.*

# MicruX<sup>®</sup> $\mu$ HV

Separation of phenolic compounds, purine derivatives and vitamins performed using MicruX<sup>®</sup>  $\mu$ HV instrument and microchips electrophoresis.

:: MCE-SU8-Pt001T



*Electropherogram for the separation of 100 $\mu$ M EP, 100 $\mu$ M pAP, 200 $\mu$ M APAP, 250 $\mu$ M UA and 500 $\mu$ M AA using a SU-8/pyrex single-channel microchip with platinum-based electrodes. Conditions: Running buffer: 20 mM MES pH = 6.0;  $V_{inj} = +750$  V for 3s,  $V_{sep} = +1000$  V,  $E_d = +0.8$  V (vs. Pt).*

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