

## PRODUCT INFORMATION

### SERVA HPE™ IPG strip buffer

**Cat. No. 43368**

#### Product description:

**General** SERVALYT™ mixture (pH 3-10) for IPG strip rehydration and sample preparation in 2D gel electrophoresis. The buffer works for all IPG strips pH gradients. Due to low molecular weights of the SERVALYT™ buffer molecules there is no background staining in 2D gels.

---

**Composition** 40 % (w/v) SERVALYT™ mixture (pH 3-10)

---

**Storage** Recommended storage temperature: +2 °C to +8 °C.

---

#### Rehydration / Sample buffer:

The optimal buffer composition depends on the applied sample. A sample buffer suitable for many samples is given in the table below. Use the indicated concentration range of the buffer components as an optimization guideline for difficult samples. Rehydrate the strips either in a special rehydration tray (Cat. No. 43091) or directly in IEF systems for 1D electrophoresis of different manufacturers. In the latter case, please follow the manuals of the manufacturers.

Components	Cat. No.	Concentration range	Amount
Urea *	24524	8 M (8 - 9 M)	4.8 g
CHAPS	17038	1 % (1 – 4 %)	100 mg
DTT	20710	13 mM (13 -100 mM)	20 mg
SERVA HPE™ IPG strip buffer	43368	0.5 % (v/v) (absolutely)	50 µl
Water dest.			ad 10 ml

\* can be replaced up to 25 % by thiourea

**Note:** The sample buffer can be stored in 2.5 ml aliquots at –20 °C for 3 months.

---

Version 02/14