

Biochemicals
Electrophoresis
Bioseparation
Life Sciences
Specials

SERVA^{Ge}™ IEF

Vertical Isoelectric Focusing
precast gels

IEF Precast Gels for Standard Vertical Mini Slab Gel Systems

Isoelectric Focusing (IEF), either flatbed or vertical, can be described as an ingenious process for simultaneous concentration and separation of proteins. IEF employs a pH gradient formed by small amphoteric molecules (called ampholytes, e. g. SERVALYT™) to resolve proteins according to their different pI values (pI = isoelectric point). IEF is an end point method – when the electrophoretic run is completed proteins will appear as separate, sharp zones, in the order of their isoelectric points. Beside carrier ampholytes the use of immobilized pH gradients in IEF is widely used, especially in form of IPG strips where it comes to 2D gel electrophoresis (e. g. SERVA IPG BlueStrips).

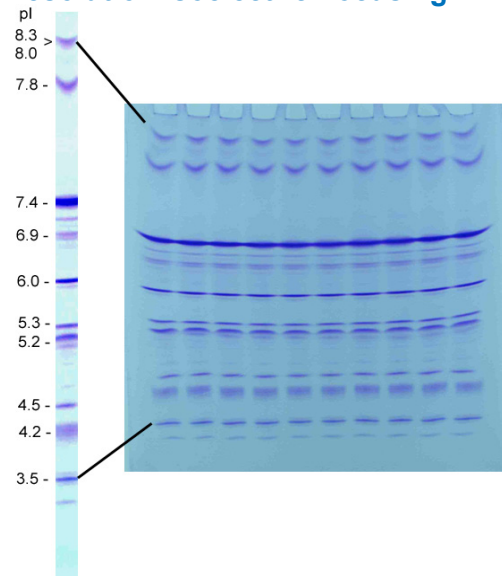
The new SERVA^{Ge}™ IEF

- For vertical IEF in mini slab gel format
- In unbreakable plastic cassette (10 x 10 cm)
- Available in pH range 3 – 10
- Compatible with standard vertical mini slab gel apparatus, no special equipment needed
- Suitable for both native and denaturing conditions
- Available as SERVA^{Ge}™ IEF Starter Kit
- Also available: SERVA^{Ge}™ IEF Running Buffer Kit

Ordering Information

Product	Quantity	Cat. No.
SERVA ^{Ge} ™ IEF 3-10, 12 sample wells	10 gels	43240.01
SERVA ^{Ge} ™ IEF 3-10, 10 sample wells	10 gels	43242.01
SERVA ^{Ge} ™ IEF Running Buffer Kit	1 kit	42539.01
SERVA ^{Ge} ™ IEF Starter Kit	1 kit	43205.01
IEF Sample Buffer	20 ml	42537.01

The new SERVA^{Ge}™ IEF demonstrating high resolution Isoelectric Focusing



Separation of marker proteins (cat. no. 39212) on SERVA-^{Ge}™ IEF pH 3-10 (cat. no. 43242; 60 min. at 100 V, 60 min. at 200 V, 30 min at 500 V using SERVA IEF anode and

SERVA^{Ge}™ IEF Running Buffer Kit contains:

SERVA IEF anode buffer (powder for 5 L buffer)
SERVA IEF cathode buffer (powder for 2 L buffer)

SERVA^{Ge}™ IEF Starter Kit contains:

4 SERVA^{Ge}™ IEF gels of your choice
SERVA IEF anode buffer (powder for 2.5 L buffer)
SERVA IEF cathode buffer (powder for 1 L buffer)
IEF sample buffer (2x 1 mL)
SERVA Violet 17 (0.5 g)
SERVA IEF Marker 3 - 10, Liquid Mix (30 µL).

Marker proteins for pI-Determination

Product	Quantity	Cat. No.
IEF Marker 3 - 10, SERVA Liquid Mix, ready-to-use	500 µl	39212.01
Protein Test Mixture for pI-Determination pH 3 - 10, lyophil.	10 mg	39211.01

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