PRODUCT INFORMATION

EPO Doping IEF Kit 30S — Cat. No. 43389

Kit Components	Clean Gel EPO IEF 30S	4 gels
	Buffer Kit for EPO	**1 kit**
	Rehydration Additive	4x 23.5 g
	SERVALYT™ EPO Mix	4x 6 ml
	SERVALYT™ 6-8	1x 2 ml
	Drying Carboards	4 pieces
	Electrode Wicks	**8 pieces**

IMPORTANT **The kit does not contain phosphoric acid.**

Application	Specially developed kit for EPO IEF analysis with polyacrylamid gels.
Storage	Store the kit at -15 °C to -25 °C. If stored as recommended, at least usable until: see expiry date on label.

Gel Rehydration: Mix the rehydration solution in the supplied 50 ml tube:

23.5 g Rehydration Additive
\+ 6 ml SERVALYT™ EPO Mix
ad 50 ml ddH_2O

Transfer 50 ml rehydration solution into a rehydration tray. Place the gel with gel side down on the surface of the solution without trapping any air bubbles and incubate for 2 h (optional over night). The incubation tray should stand absolutly level. Alternatively, the gel can be carefully shaked during incubation on an orbital shaker, e.g. Hoefer PR250.
To avoid crystallization of urea, each of the following steps should be done quickly. Place the gel (gel side up) on a table and dry the gel surface with the Drying Carboard. **Especially, the sample slots should not contain any rehydration solution.** Now the gel can be directly used for IEF.

Isoelectric Focusing (IEF)

Anode buffer: 1 M H_3PO_4
Cathode buffer: 2 % SERVALYT™ 6-8
(9.5 ml ddH_2O + 0.5 ml SERVALYT™ 6-8)

Wet the electrode wicks on an absorbent sheet.
Cool the IEF unit to 8 °C. Pipet 2.5 ml Cooling Contact Fluid (SERVA Cat. No. 43371) on the cooling plate. Place the gel air bubble-free on the cooling plate. **Note: The sample slots should be on the cathodic side of the gel.** Finally, place the wetted wicks on the gel.

Focusing conditions:
1. Prefocusing: 250 V / 30 mA / 30 W for 30 min
2. Sample application
3. Focusing: 2000V / 50 mA / 30 W until 4000 Vh are reached.

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