

## **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<sub>2</sub>O

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	Anode buffer:	1 M H <sub>3</sub> PO <sub>4</sub>			
Focusing	Cathode buffer:	2 % SERVALYT™ 6-8			
(IEF)		(9.5 ml ddH₂O + 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				

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- 3. Focusing: 2000V / 50 mA / 30 W until 4000 Vh are reached.

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