PRODUCT INFORMATION

SERVALYT™/Blank PRECOTES™ Applicator Strips

Cat. No. 42914, 42915, 42937, 42899, 42989

Applicator strips are made of silicone rubber with a series of slots by a distance of 3 mm. The slots of each band type hold the same amount of liquid sample. The capacity of each slot depends on the width, as indicated below:

Cat. No.	Size	Size of Slot (L x W x D)	Slots/ Strip	Application (with SERVALYT™ PRECOTES™)
42914	2 x 3.5 mm	100 x 6 x 1 mm	19	for gels which are 125 mm wide, samples containing 0.5 – 1 mg/ml protein
42915	3.5 x 2 mm	100 x 6 x 1 mm	15	
42899	3.5 x 2 mm	240 x 6 x 1 mm	43	for gels which are 245 mm wide, samples containing 0.5 – 1 mg/ml protein
42989	7 x 1 mm	260 x 6 x 1 mm	24	for gels which are 245 mm wide, samples containing 10 – 30 mg/ml protein

The applicator strips kit (cat. no. 42937) contains one strip of each Cat. No. mentioned above.

SAMPLE APPLICATION

Prior to electrophoresis the appliactor strip is placed on the gel at the chosen spot (this also applies to isoelectric focusing in case of pre-focusing) and remains there until the finished pherogram is removed. The application of sample is simple and easy, provided the conditions described below are adhered to:

1. No liquid film should appear on the gel surface. If the applicator strip placed on the gel surface moves or slides slightly, remove the strip and wait until the surface is realtivly dry (10 min with PAA gels). Agarose gels should be dried with filter (contact) paper where the strip is to be placed. If air bubbles are trapped under the strip, lift the strip at one end and roll it towards the other end, to displace the air bubbles.

2. When applying the sample, the applicator strip should not be accidantly moved. Touch the slot with a drop of liquid hanging at the tip of the pipette. The sample is distributed evenly in the slot.

3. Avoid using detergents for cleaning the applicator strips. For samples containing substances of high surface activity one can either alternatively place Protein Test Mixture for IEF (cat. no. 39211) and the sample in the slots of an applicator strip or moisten tiny strips of filter paper with the sample and lay them directly on the gel surface.

AMOUNT OF SAMPLE

A slot can hold 5 to 15 µl of liquid. For larger sample amounts the small subdivisions between the slots can be cut out with a sharp blade. For this purpose the strip is best fixed on a piece of adhesive tape. A sample slot of 40 mm in length will still adhere tightly to the gel.

SPECIAL APPLICATIONS

For preprative use: Take applicator strip with 2 x 3.5 mm (cat. no. 42914) and cut out eight separation distances which results in a sample slot with 0.2 ml capacity.

For minute amounts of sample (2 µl): Apply the sample directly to the gel, taking pre-caution not to disturb the gel.

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