

EzWay Gel Drying Solution

- 1. Catalog No.** K14210
- 2. Quantity** 500 ml
- 3. Storage&Stability** Store at R.T.
- 4. Description** EzWay™ Gel Drying Solution is used to dry gels by exposing to air without using of vaccum dryers. It regulates the rate of drying of the gels so that the problems like cracking or shrinking of the gels are eliminated.
- 5. Application**
- No crack during gel drying process
 - Regulation of the rate of water release from the gel
 - Fluorography, Densitometry, Autoradiography, Permanent storage
- 6. Gel Drying Protocol**
- Gel treatment by Drying solution**
1. Put the gel(s) in an appropriate container. Rinse the gel(s) three times for 10 minutes in D.W. Handle the gel gently to prevent it from cracking.
 2. Add Drying solution until the gel(s) is immersed fully in the solution.
 3. Equilibrate the gel(s) by shaking the gel in the solution for 10-30 minutes (see timetable at Appendix). Immerse the gel in the solution for a longer time (e.g. overnight) only if proteins were previously fixed to the gel.
- Drying the gel with gel-drying apparatus and two cellophane sheet**
1. After equilibration, immerse cellophane sheet (Cat. No. KDCM) in the EzWay Gel Drying solution for no more than 5 minutes.
 2. Wet the one cellophane sheet with the Drying solution and put it over the Gel dryer frame (Cat. No. KD10M).
 3. Lay the pretreated gel on the center of the cellophane sheet. Make sure no bubbles are trapped between the gel and the cellophane sheet. If necessary, add a little crack free solution to the surface of the cellophane sheet.
 4. Carefully lay the pretreated cellophane sheet over the gel so that no bubbles are trapped anywhere between the cellophane and the gel. Add a little more Drying solution if necessary. Gently smooth out any wrinkles in the assembly with a gloved hand.
 5. Wet the second Gel dryer frame with the Drying solution and cover the cellophane sheet.
 6. Dry for two hours at 60-80°C.
- 7. Appendix** Time Table for immersing gels in Drying solution

% of Protein Gel	Time for Shaking in the Drying Solution
< 14 %	10 min or overnight for fixed protein
14-16 %	30 min or overnight for fixed protein
> 16 %	120 min or overnight for fixed protein
Cellophane sheet	5 min before drying



8. Trouble shooting

Problem	Cause	Corrective action
Gels cracking during drying	1) Air trapped between cellophane layers. 2) Rough edges or small crack on gel. 3) Gel was not soaked in Drying solution long enough. 4) Gel was not fully immersed in Drying solution.	1) Apply adequate Drying solution. 2) Trim rough edges & small cracks. 3) Equilibrate gel in Drying solution for a longer time. 4) Immerse the gel fully in Drying solution.
Gels turning white after drying	Gels drying too fast.	Remove gel from possible drafts.

9. Related Product

Cat. No.	Product	Size
KD10M	EzDry Mini	1 set
KDCL	Cellophane Membrane, Large, 100/pk X 2	100/pk
KDCM	Cellophane Membrane, Mini, 200/pk X 2	200/pk
KDM10	Nitrocellulose membrane, 20/pk	20/pk
KDM20	PVDF membrane, 20/pk	20/pk
KDM50	PVDF membrane, 0.22um, 30cmx3m roll	1pk