Equilibration of 24 cm IPG Strips for DALT 2DGel

Always:

- **Wear powder-free disposable gloves.**

Equilibration

1. Prepare two equilibration solutions in **gel**company IPG-strip equilibration buffer:

   DTT solution: Weigh urea and dithiothreitol (DTT), and add the equilibration buffer according to table 1 *(below)* and dissolve completely.

   IAA solution: Weigh urea and iodoacetamide (IAA), and add the equilibration buffer according the table 1 and dissolve completely.

2. Using **gel**company equilibrator (fig 1. cat # 1003-04) on an orbital shaker (30 rev/min) equilibrate each strip in DDT solution (6 mL) for 15 min.

   Move the strip to a slot containing IAA solution (6 mL) and equilibrate for a further 15 min. Discard the solutions after the 2nd equilibration.

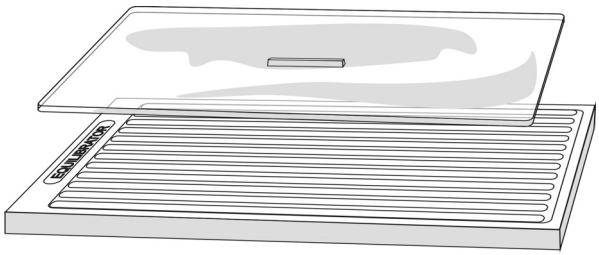

Fig. 1

This protocol forms part of a series that describe the use of gelcompany products in the 2D-gel workflow. For other protocols visit our website.

Number of strips	Urea [g]	DTT [mg]	IAA [mg]	E. Buffer [mL]	Total volume [mL]
1	1.8	50	-	5	6
1	1.8	-	125	5	6
2	3.6	100	-	10	12
2	3.6	-	250	10	12
3	5.4	150	-	15	18
3	5.4	-	375	15	18
4	7.2	200	-	20	24
4	7.2	-	500	20	24
5	9	250	-	25	30
5	9	-	625	25	30
6	10.8	300	-	30	36
6	10.8	-	750	30	36
7	12.6	350	-	35	42
7	12.6	-	875	35	42
8	14.4	400	-	40	48
8	14.4	-	1,000	40	48
9	16.2	450	-	45	54
9	16.2	-	1,125	45	54
10	18	500	-	50	60
10	18	-	1,250	50	60
11	19.8	550	-	55	66
11	19.8	-	1,375	55	66
12	21.6	600	-	60	72
12	21.6	-	1,500	60	72

Table 1. Preparing the equilibration buffers