

Solution phase IEF for proteomic analysis



The ZOOM® IEF Fractionator is designed to fractionate complex samples by isoelectric point (pl) prior to 2DE, 1DE, or 2D LC/MS analysis in a mini-cell format. It provides a simple, convenient, and reliable method to reduce sample complexity, enrich low abundance proteins, as well as increase the dynamic range of

detection. The ZOOM® IEF Fractionator employs ready-to-use immobilized buffer disks to fractionate samples into desired pl ranges, at a scale and cost accessible to any lab.

Reproducibility and reliability

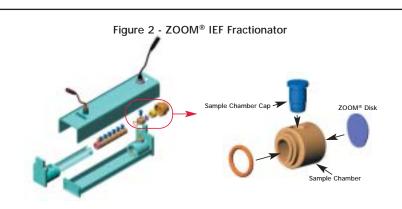
The ZOOM® IEF Fractionator uses unique immobilized buffer disks (ZOOM® Disks) to conveniently ensure consistent fractionation from run to run (Figure 1). ZOOM® Disks are gel-based, disposable, and designed for single use to minimize any chance of cross-contamination. The range of disks currently available (pH 3.0, 4.6, 5.4, 6.2, 7.0, 9.1, 10.0, 12.0) allows the fractionation of samples up to six fractions. ZOOM® Disks are supplied ready-to-use, eliminating any preparation steps.

Figure 1 - Immobilized buffer ZOOM® Disks



Easy set-up and run

The ZOOM® IEF Fractionator is designed to be user-friendly, while its small volume capability (650 μl of sample/chamber) uses expensive reagents sparingly. Its integrated anode and cathode buffer chambers, as well as its removable electrode assembly, make it easy to set up, load, and recover samples.

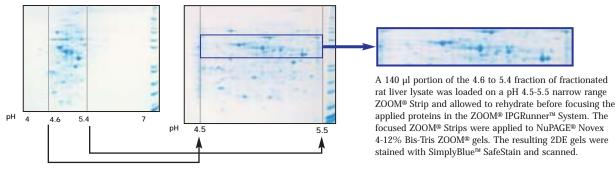


Clear, consistent results

The $\mathsf{ZOOM}^{\$}$ IEF Fractionator provides the reliability you need for successful biomarker discovery for downstream applications. To demonstrate, rat liver lysate (RLL) was

fractionated using the $ZOOM^{\circledR}$ IEF Fractionator, followed by analysis of the fractions using broad range (pH 4-7) and narrow range (pH 4.5-5.5) $ZOOM^{\circledR}$ Strips (Figure 3).

Figure 3 - 2DE of the pH 4.6 to 5.4 rat liver lysate fraction on a pH 4.5-5.5 narrow range ZOOM® Strip



Ordering information

Increase the resolution and detection of your protein samples with the simplicity, speed, and savings that the ZOOM® IEF Fractionator can offer. Order yours today.

Product	Quantity	Cat. no.
ZOOM® IEF Fractionator Combo Kit	1 kit*	ZF10001
ZOOM® Basic Protein Combo Kit	1 kit	ZF10003
$\mathrm{ZOOM}^{\circledast}$ IEF Fractionator (ϵ	1 ea	ZF10002
ZOOM® Disk pH 3.0	10 disks/pack	ZD10030
ZOOM® Disk pH 4.6	10 disks/pack	ZD10046
ZOOM [®] Disk pH 5.4	10 disks/pack	ZD10054
ZOOM® Disk pH 6.2	10 disks/pack	ZD10062
ZOOM® Disk pH 7.0	10 disks/pack	ZD10070
ZOOM® Disk pH 9.1	10 disks/pack	ZD10091
ZOOM® Disk pH 10.0	10 disks/pack	ZD10010
ZOOM® Disk pH 12.0	10 disks/pack	ZD10120
Zoom® Strip pH3-10L	12 strips/pack	ZM0018
ZOOM® Strip pH 9-12	12 strips/pack	ZM0017

Product	Quantity	Cat. no.
ZOOM® Focusing Buffer pH 3-7 (100X)	10 ml	ZB10037
ZOOM® Focusing Buffer pH 7-12 (100X)	10 ml	ZB10712
ZOOM® Cathode Buffer pH 9-12 (10X)	100 ml	ZC10912
ZOOM® Carrier Ampholytes pH 3-10	10 ml	ZM0021
Novex® IEF Anode Buffer (50X)	100 ml	LC5300
Novex® IEF Cathode Buffer (10X)	125 ml	LC5310
ZOOM® 2D Protein Solubilzer 1	4 x 5 ml	ZS10001
ZOOM® 2D Protein Solubilzer 2	4 x 5 ml	ZS10002
ZOOM® 2D Protein Solubilzer Kit	2 x 5 ml	ZS10003
ZOOM® Urea	1 kg	ZU10001
ZOOM® Thiourea	1 kg	ZT10002
ZOOM® CHAPS	5 g	ZC10003

^{*} Includes all items in the quantity listed: ZOOM® IEF Fractionator; one pack ZOOM® Disks of each pH; urea; thiourea; CHAPS; carrier ampholytes pH 3-10; anode and cathode buffers.



The ZOOM® IEF Fractionator was in part developed pursuant to a license from The Wistar Institute of Anatomy and Biology, located in Philadelphia, Pennsylvania. Established in 1892, The Wistar Institute was the first independent medical research facility in the United States.

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