

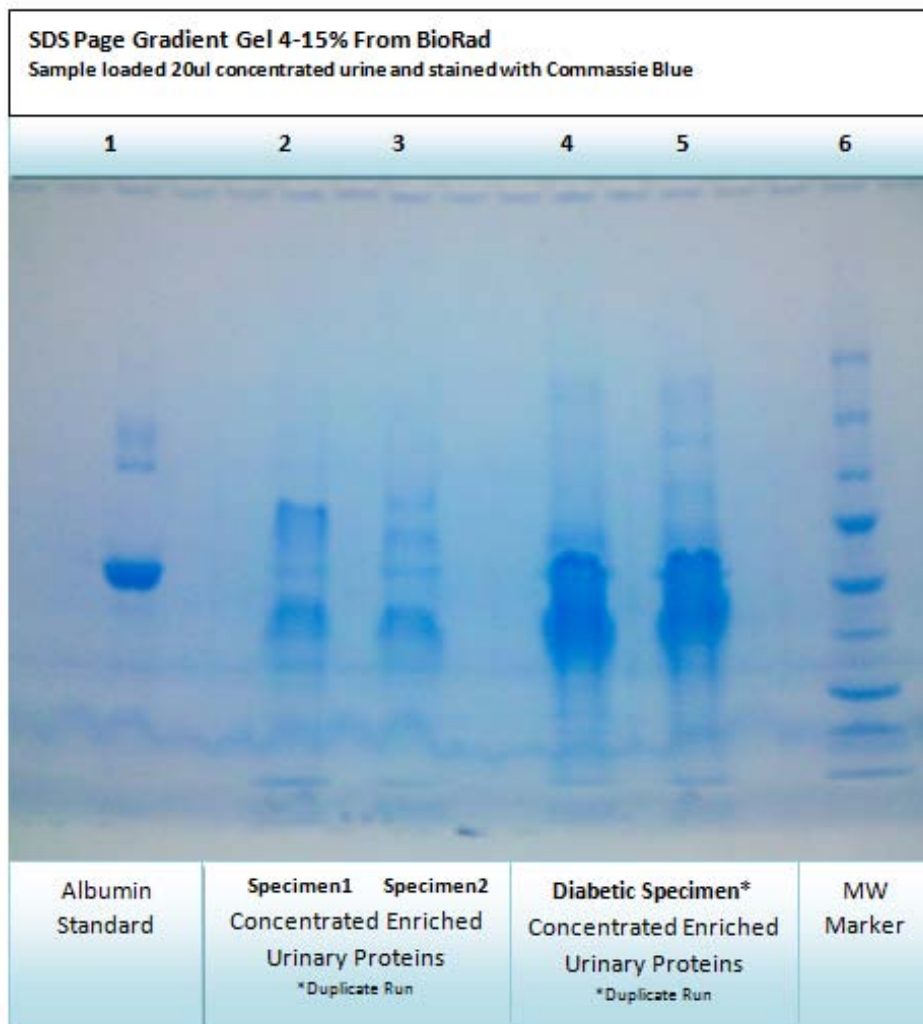


UPCK™ Urine Protein Concentration Kit

Urine Protein Enrichment For Urine Proteomics & Biomarkers

- <60 minute bind, wash and elute protocol
- Linearly scalable up or down.
- Mild elution maintains tertiary structure and simple transfer to secondary analysis
- Applicable to 1 & 2 DE, proteomics, mass spec, and microarrays
- The eluted fractions retain their enzymatic and biological activity

UPCK™ Urine Protein Concentration Kit is a polymeric silica-based protein enrichment matrix designed as an alternative to ultra filtration and solvent precipitation. UPCK™ Urine Protein Concentration Kit has been especially optimized for proteomic studies of urine proteins.





Product	Size	# of Samples & Sample Size*	Item No.	2012 Price
UPCK™ Urine Protein Concentration Kit	10 Preps	10 preps, 10 ml urine samples per prep	UPCK-10	\$325
UPCK™ Urine Protein Concentration Kit	25 Preps	25 preps, 10 ml urine samples per prep	UPCK-25	\$730

Items Required	10 Prep	25 Prep	Reagent
UPCK™ matrix	0.75 grams	1.9 grams	Supplied
Binding Buffer UPBB, PH 6.0	60 ml	150 ml	Supplied
Wash Buffer UPWB, PH 7.0	10 ml	25 ml	Supplied
Elution Buffer UPEB, PH 10.0	10 ml	25 ml	Supplied
SpinX Centrifuge tube filters	10	25	Supplied
Conical centrifuge tube 50ml	10	25	Not Supplied
Wide Bore Pipette	-	-	Not Supplied

PROTOCOL – Designed to concentrate or enrich protein from 10 ml of urine

1. To 10 ml urine, add 5 ml UPCK™ binding buffer (UPBB™) in 50 ml conical centrifuge tube.
2. Add 75 mg UPCK™ Urine Protein Concentration matrix and vortex for 25 minutes. Caution: Vortex adequately so that the resin does not settle at the bottom of the centrifuge tube.
3. Allow the samples to settle for 10 minutes. Decant or pipette off the supernatant.
4. Pipette UPCK™ protein bound matrix from Step 3 to the supplied Spin-X tube. Note: if all matrix does not transfer, use additional UPCK™ binding buffer (UPBB™ approximately 400ul) to resuspend the matrix & transfer again. Use wide bore pipette.
5. Mix for 5 minutes and centrifuge at 10,000 rpm for 4 minutes. Discard the filtrate.
6. Add 400 µl of UPCK™ Wash Buffer (UPWB™) to the pellet.
7. Mix for 5 minutes and centrifuge at 10000 rpm for 4 minutes. Discard the filtrate.
8. Add 400 µl of UPCK™ Elution Buffer (UPEB™) to the pellet. Vortex for 10 minutes and centrifuge at 10,000 rpm for 4 minutes. The enriched proteins is in the filtrate which is now ready for further analysis for example: LC-MS, LC-MS/MS, 1 & 2 DE, proteomics, mass spec, and microarrays, enzyme assays.
9. This protocol can be scaled up or down



BIOTECH SUPPORT GROUP

UPCK™ Urine Protein Concentration Kit

CONTACT US

We welcome your questions, comments and concerns regarding our products.

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