

Phos-tag application data

Phosphorylation profiling of histon H3
 ~ Zn²⁺-Phos-tag SDS-PAGE with the Bis-Tris-HCl gel system ~

● SAMPLE INFORMATION

		MW (kDa)
Protein	Mixture of lysate (HeLa cell)	-
Protein status	labeling Cy5, labeling Cy3	~ 200

● ELECTROPHORESIS CONDITION

Gel	12% polyacrylamide
Phos-tag conc.	25μM
Metal complex	Zn ²⁺

Visualization	immunoblotting
Antibody	Anti-histone H3

● ASSAY FLOW

- 1 Preparation of cell lysate and calyculin treatment
- 2 Phos-tag electrophoresis
- 3 Immunoblotting

● RESULT

•Phosphorylation profiling of histone H3 showed same result with 2D-DIGE analysis.

● NOTE

Another data of simultaneous analysis : 006-1

● REFERENCE

Phos-tag SDS-PAGE systems for phosphorylation profiling of proteins with a wide range of molecular masses under neutral pH conditions. Kinoshita E, Kinoshita-Kikuta E, Koike T. : *Proteomics*, **12**, 192 (2012)

key words : Zn²⁺-Phos-tag, Bis-Tris-HCl, HMW, HeLa, H3