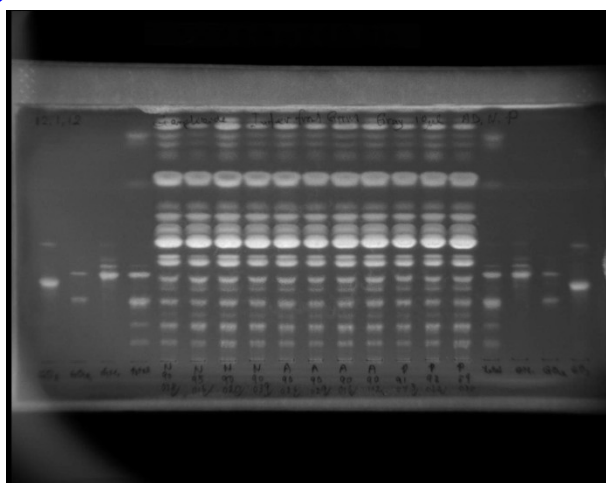


What is the advantage of TLC + Blotting (Far-Eastern Blot) ?

The new technology of the combined TLC and Blotting principle provides following advantages;

1. Visual comparison of samples on a single TLC plate and/or multiple TLC plates
2. Easy separation of lipids, which is difficult even by HPLC method.
3. Chemical treatment capable on the transferred PVDF membrane
 - Example
 - > Break the ester connection by alkali treatment
 - > Liberate acyl acid by acid treatment
 - > Break the plasmalogen
 - > Peroxidation treatment (ex. Analysis of lipid change by UV radiation)
 - > Increase access of information by scanning MS after chemical treatment
4. Enzyme treatment on the PVDF membrane
 - Analysis by scanning MS after the treatment with phospholipase C or sialidase
5. Connection tests with anti-body treated toxin or cytokine capable on PVDF membrane. The connected lipid of with cytokine can be detected by scanning MS.
6. Application to the various lipophilic compound as well as lipids



TLC analysis of all lipids of human brain

1. All kinds of lipids including Galgloside, Phospholipid, etc. are separated without any chemical treatment.
2. This pattern can be transferred to PVDF membrane

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