



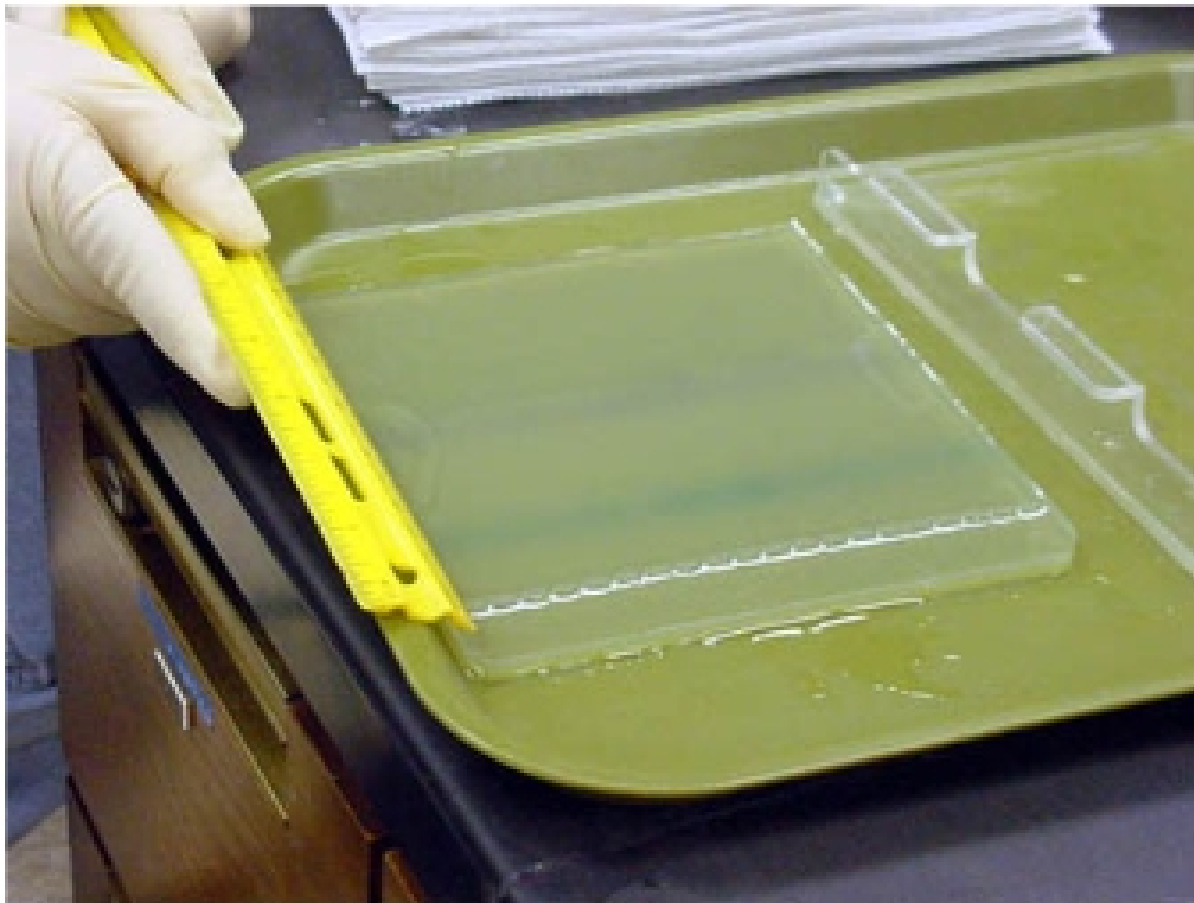
**Biol/Chem 473**

**Schulze lecture 9:  
methods**

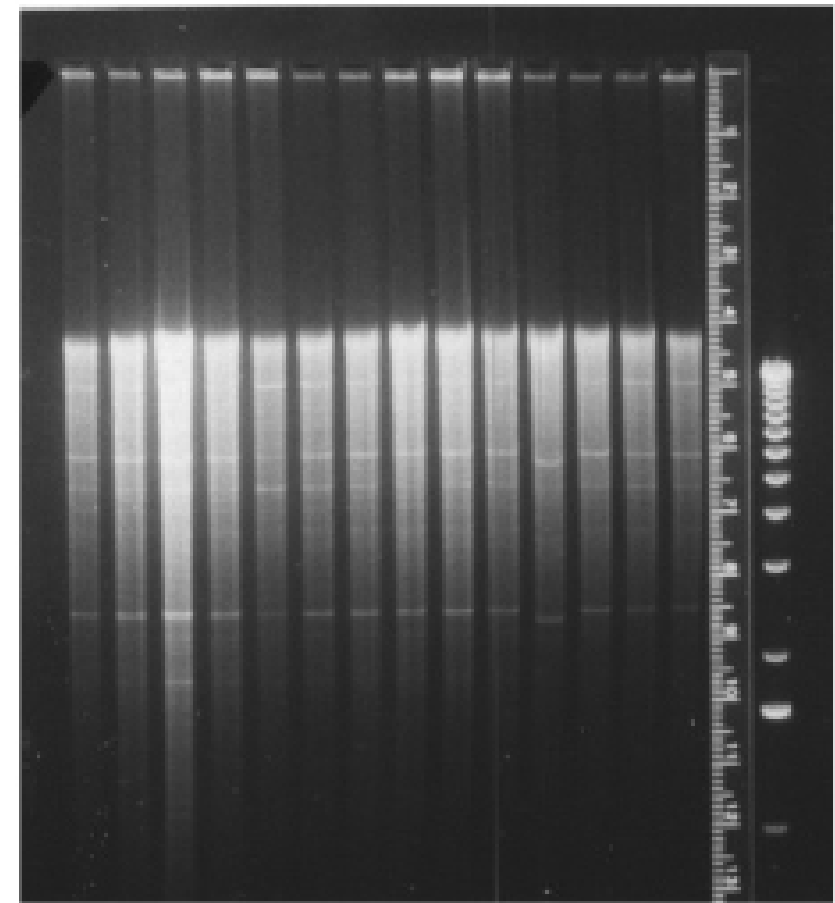
# Southern Analysis

- Extract **DNA**
- Fractionate by **electrophoresis** in an **agarose** gel
- Transfer by **capillary action** to membrane (blot)
- Incubate with **nucleic acid probe**
- Detect & analyze & collect Nobel Prize

# Gel Treatment: Measurements and photography



Agarose gel with genome digest in it



Photograph of genome digest  
under UV