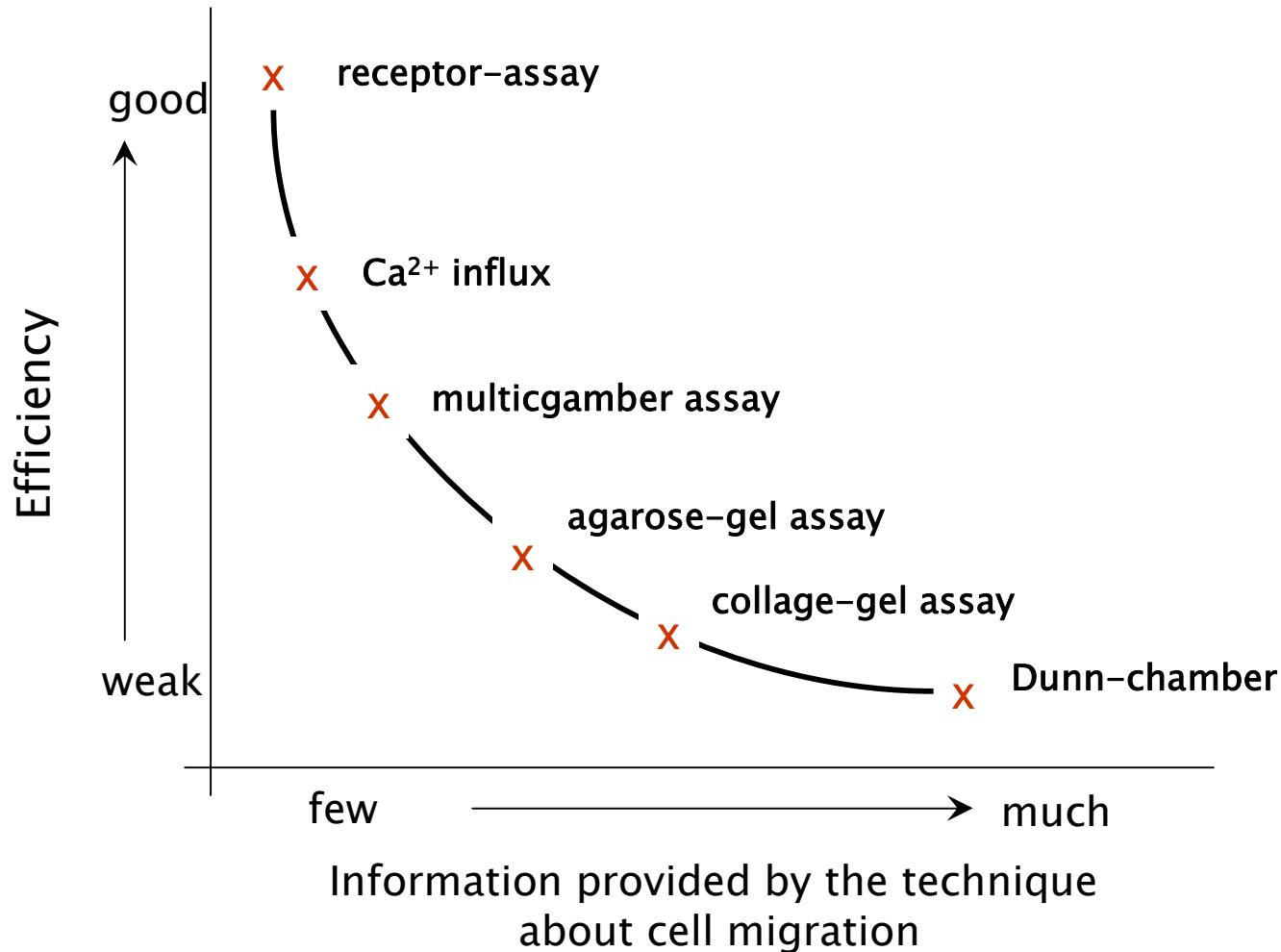


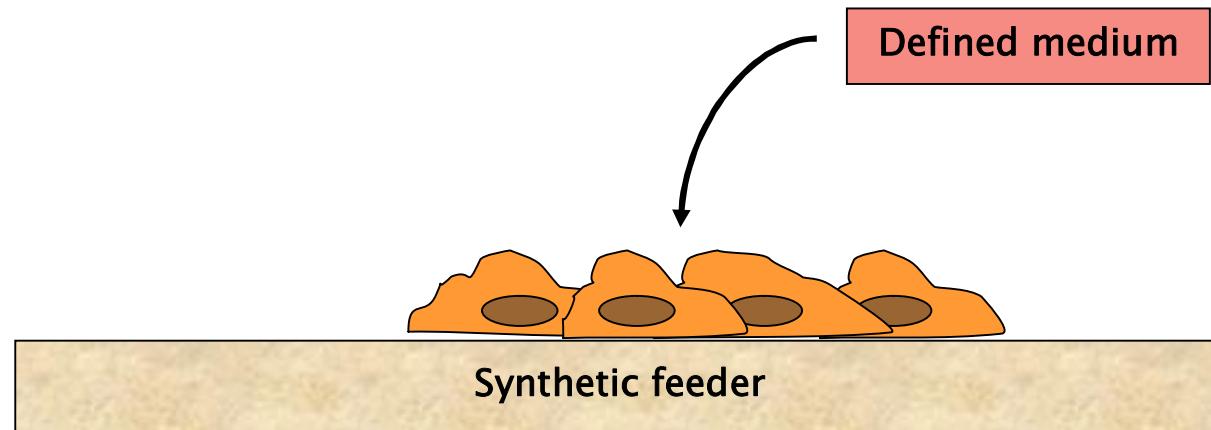
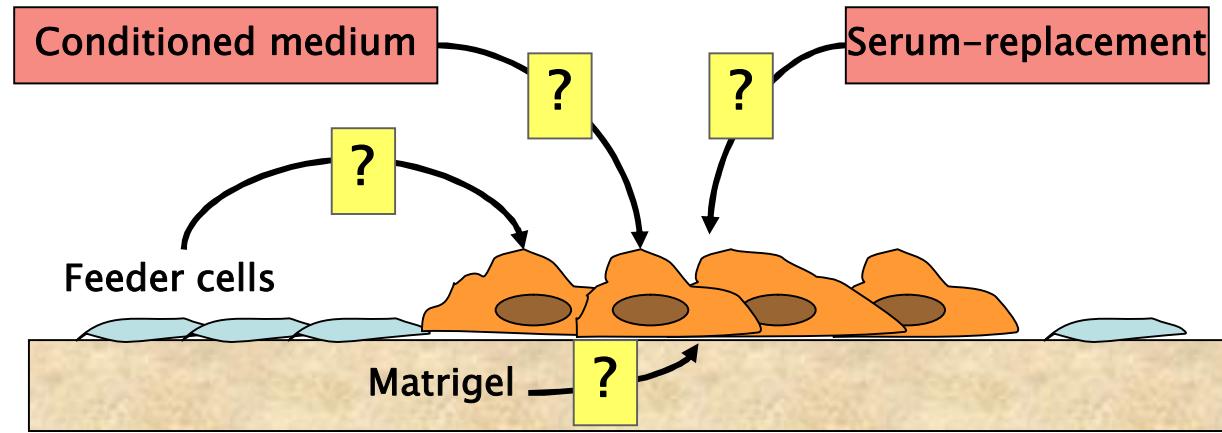
Chemotaxis assays

Dr. habil. Kőhidai László

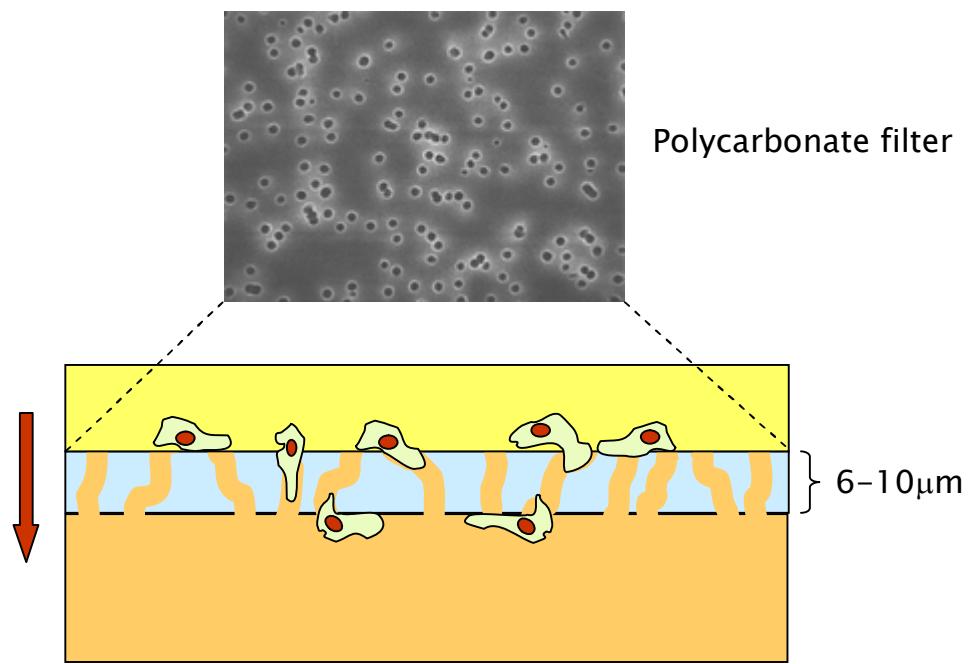
Chemotaxis Research Group
Dept. Genetics, Cell & Immunobiology
Semmelweis University/Budapest/Hungary

2011.

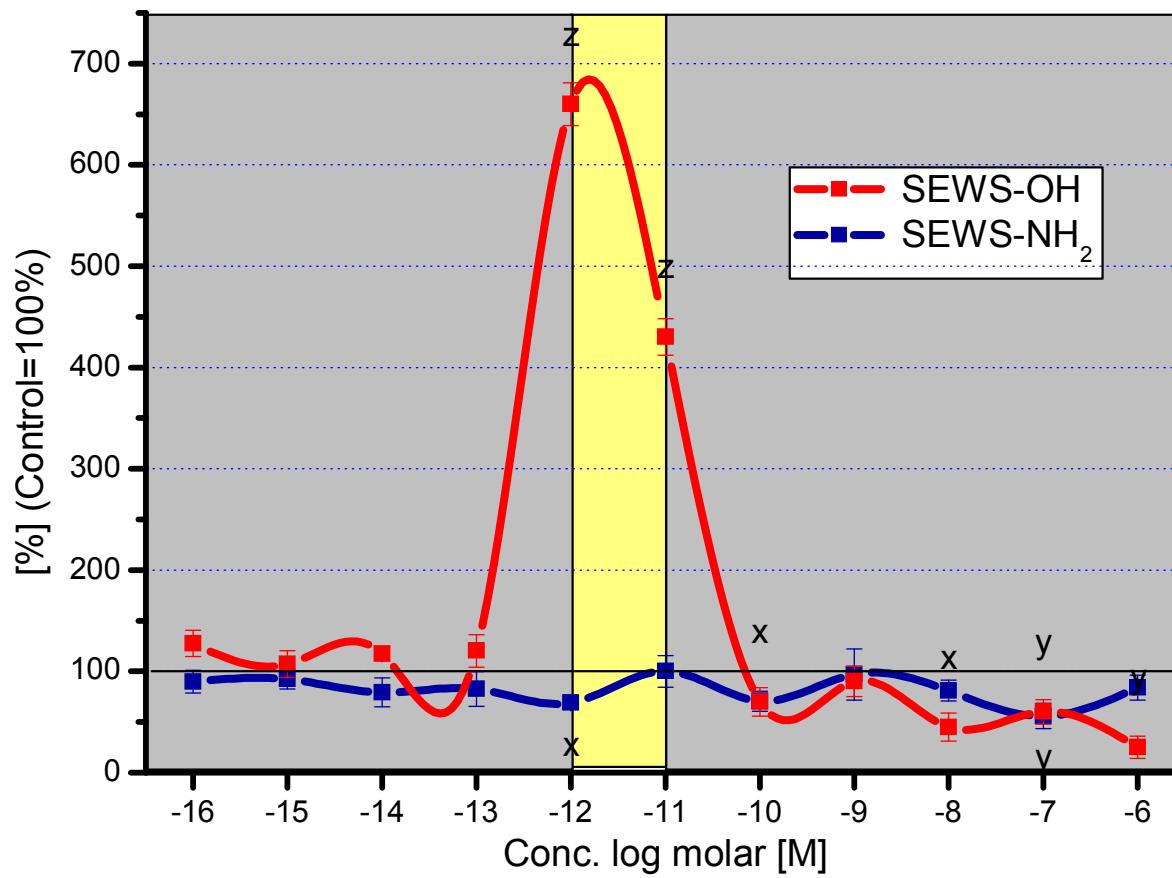


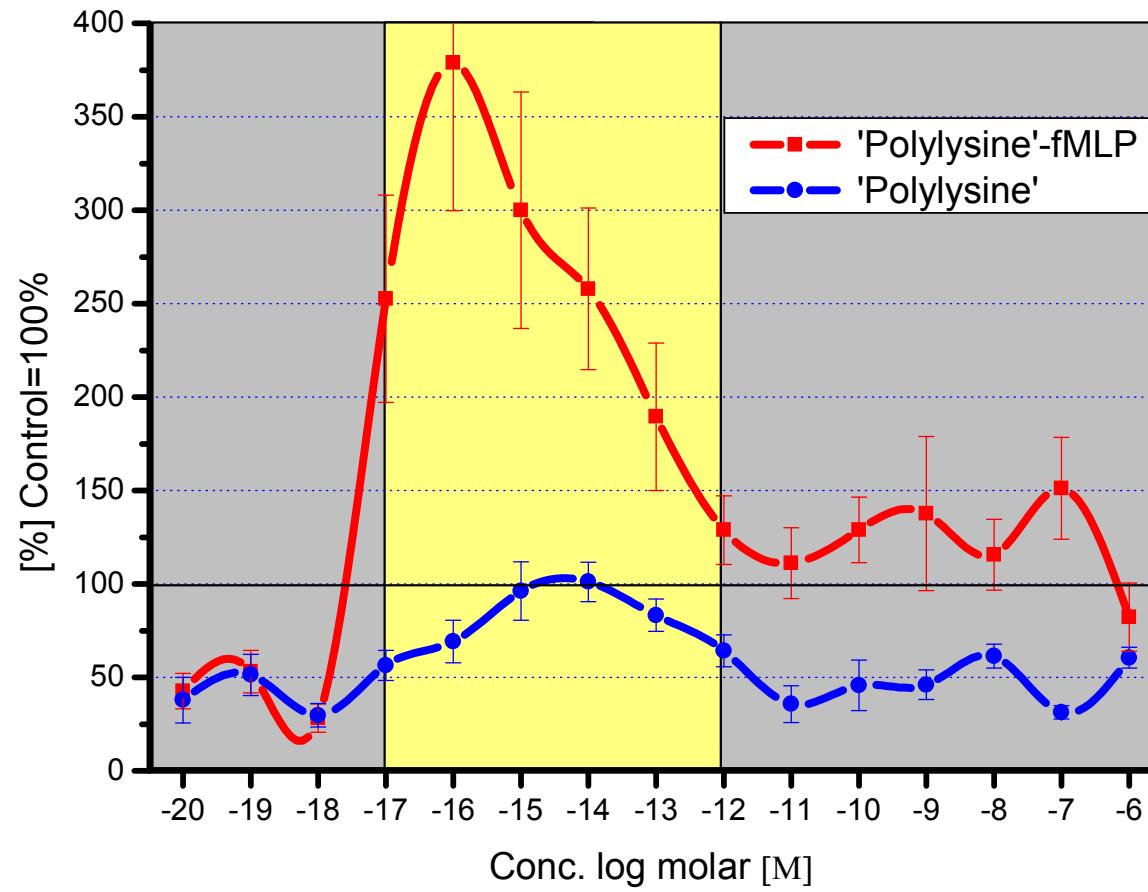


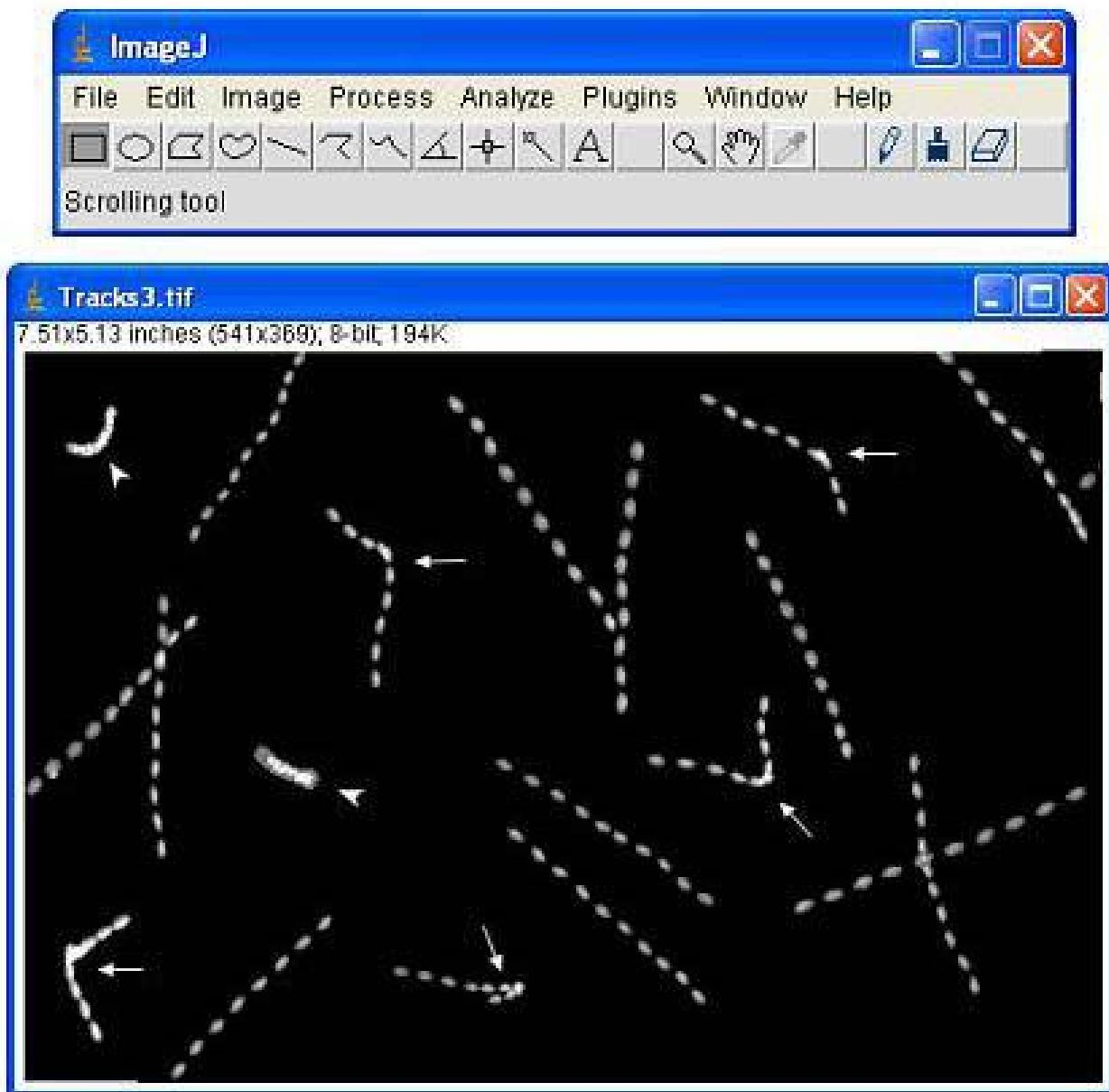
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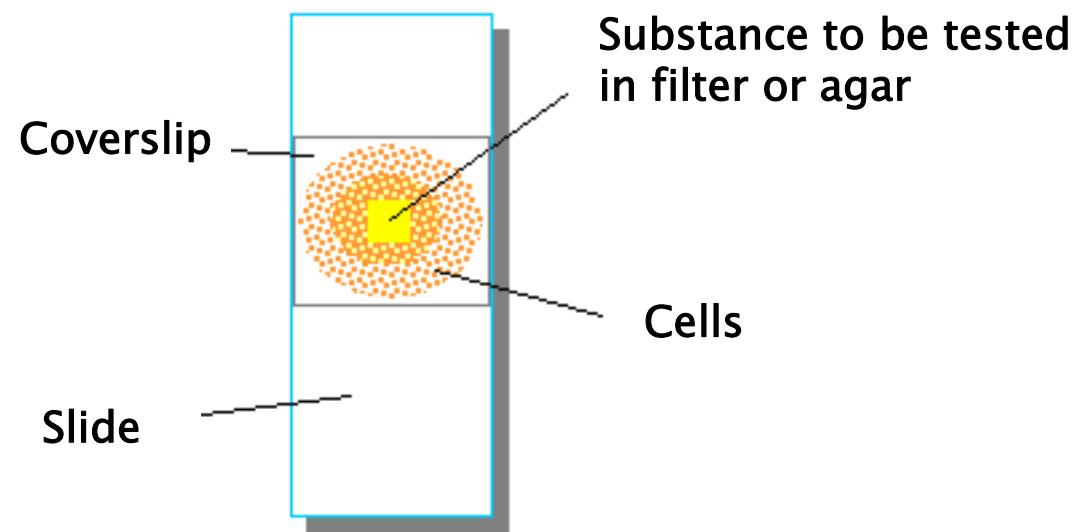


© Kohidai, L. 2006.

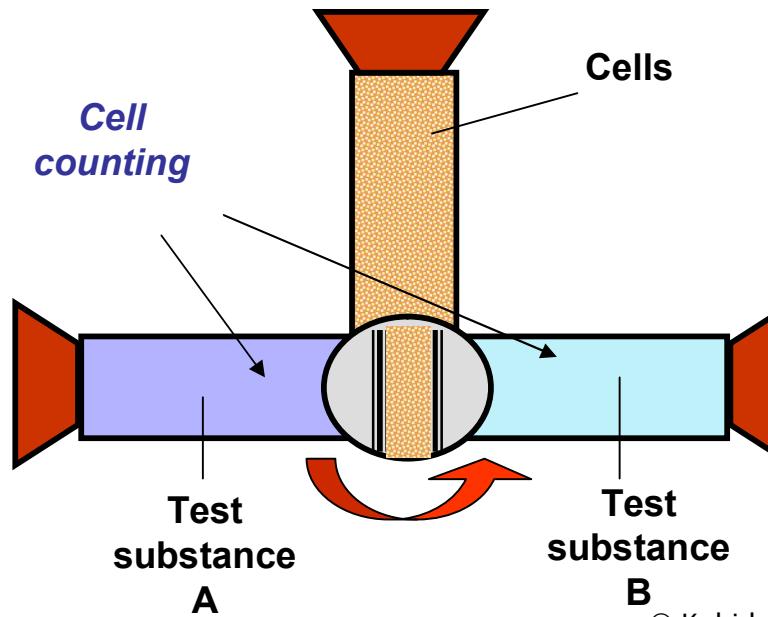




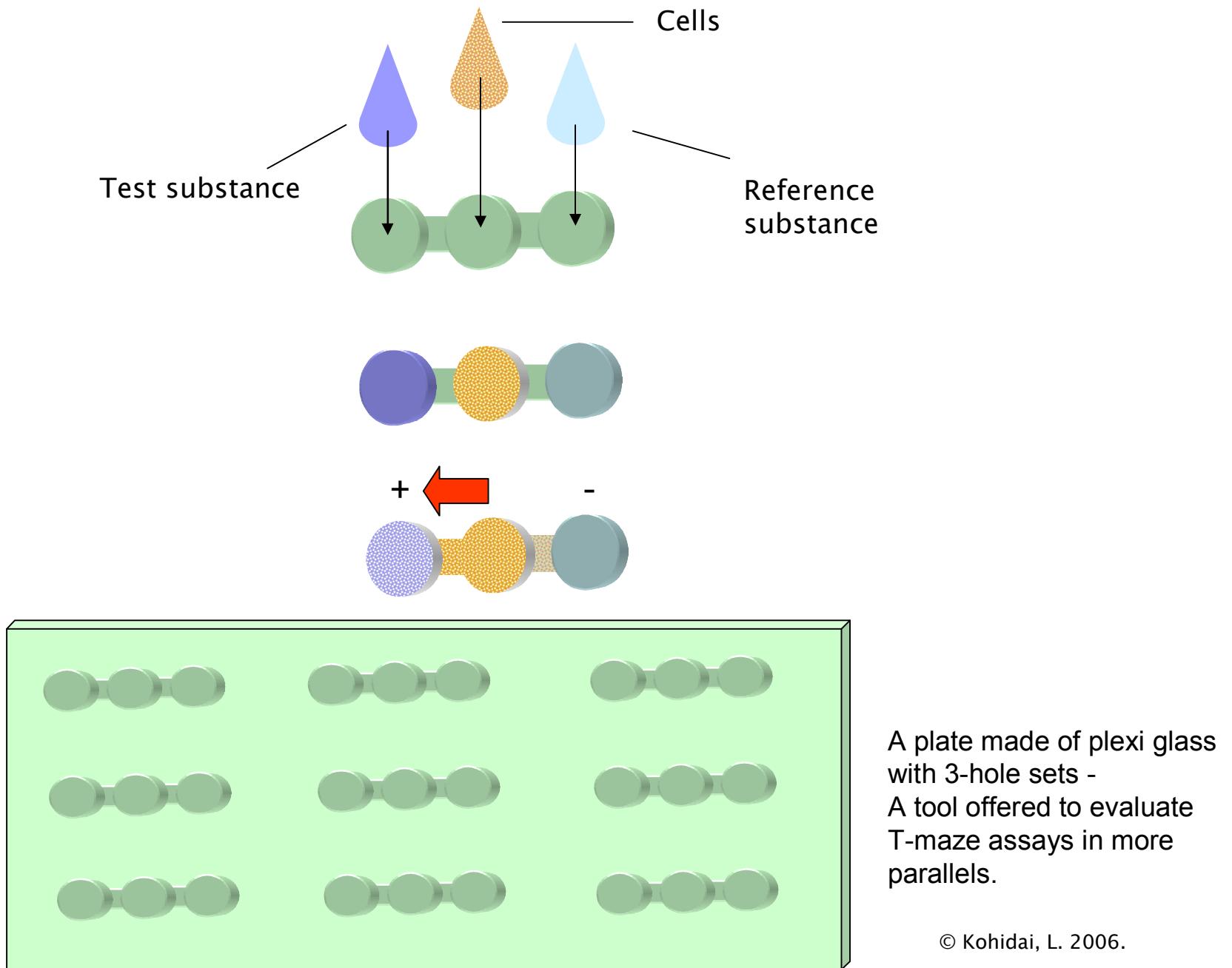


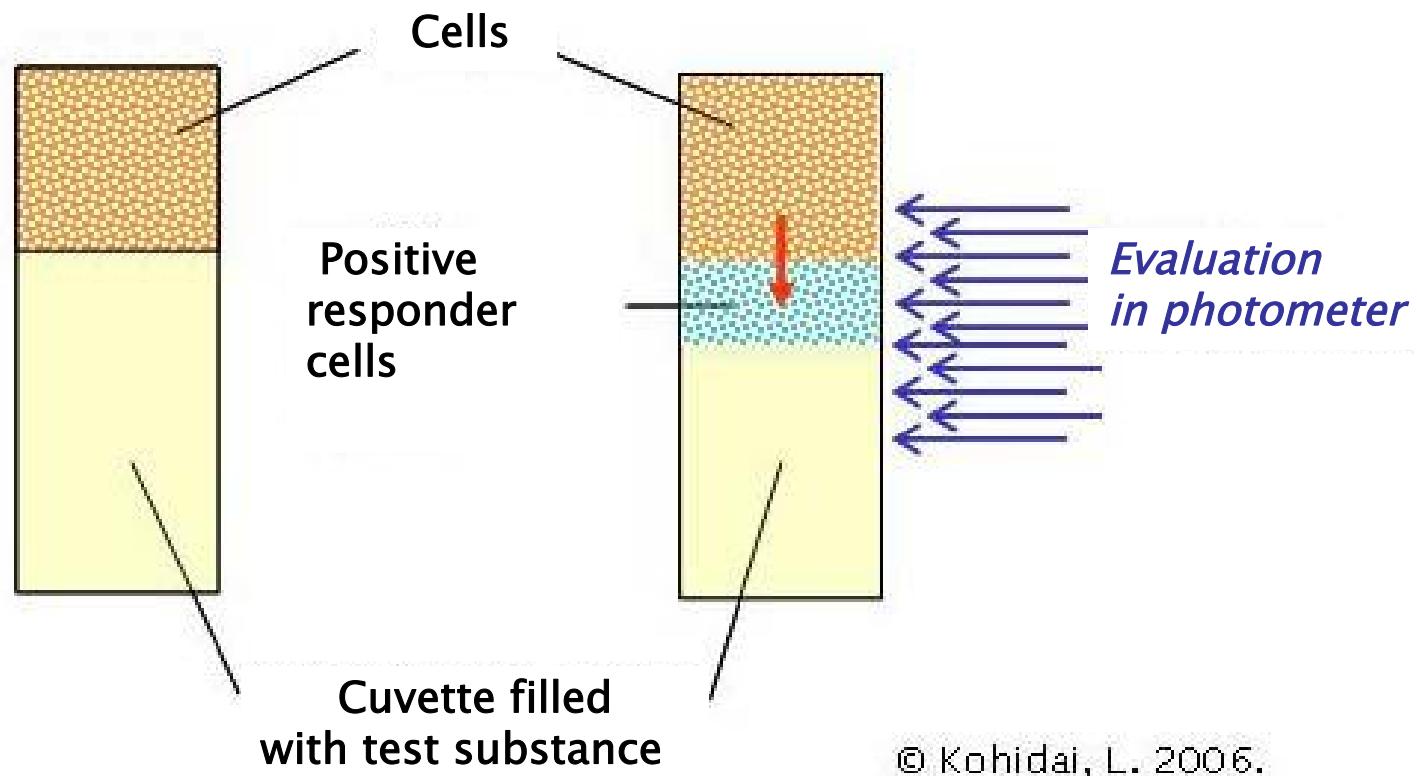


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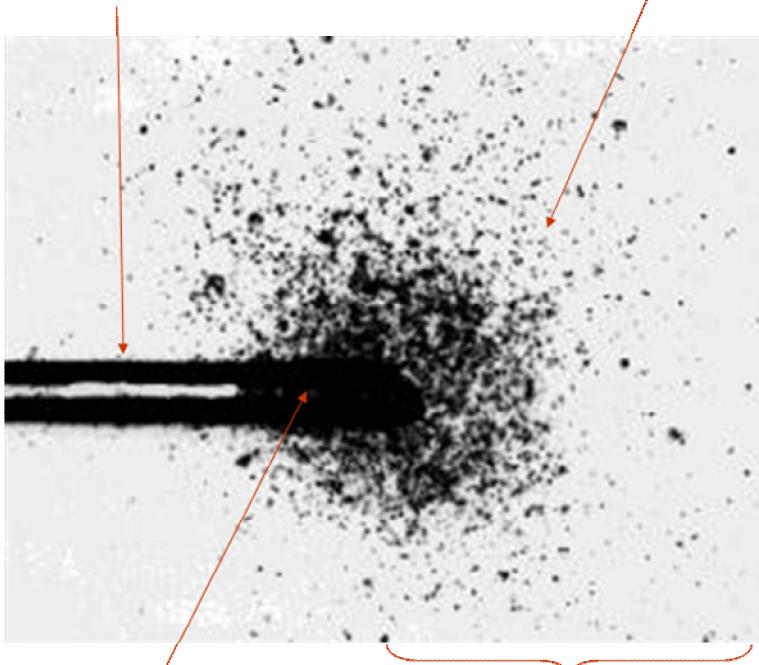
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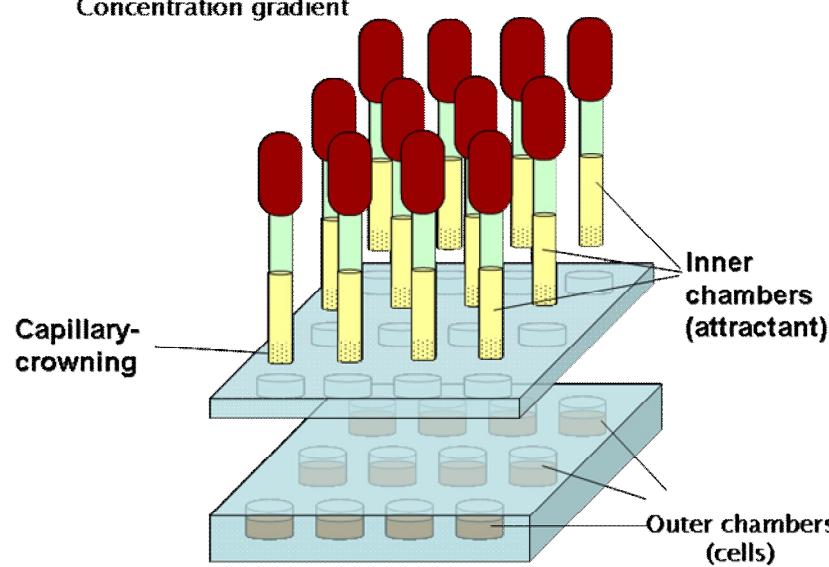
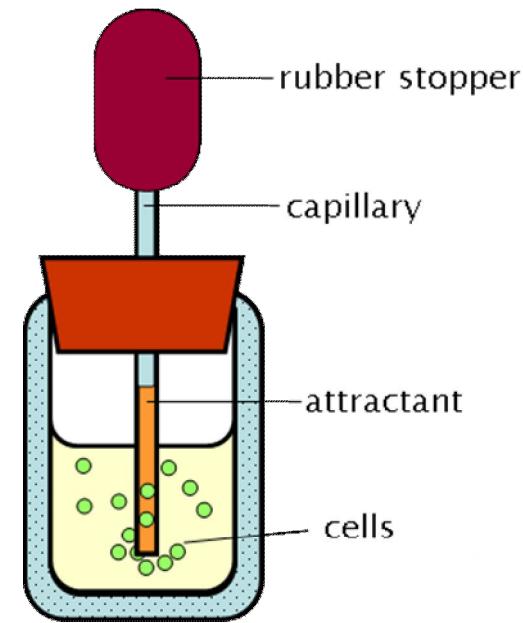
Capillary filled with chemoattractant substance

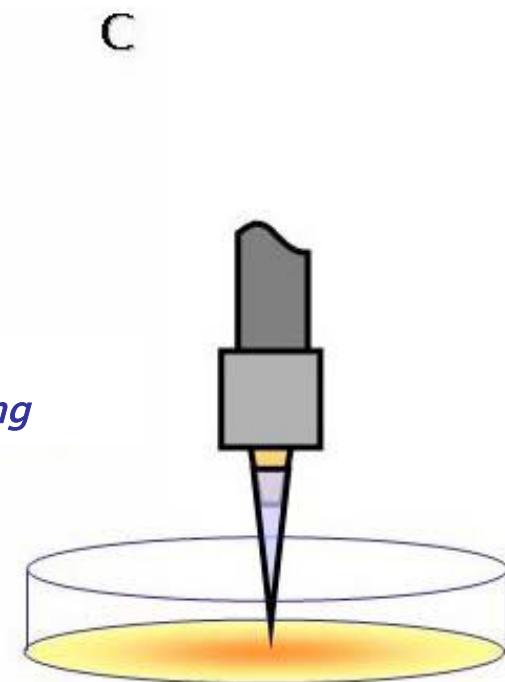
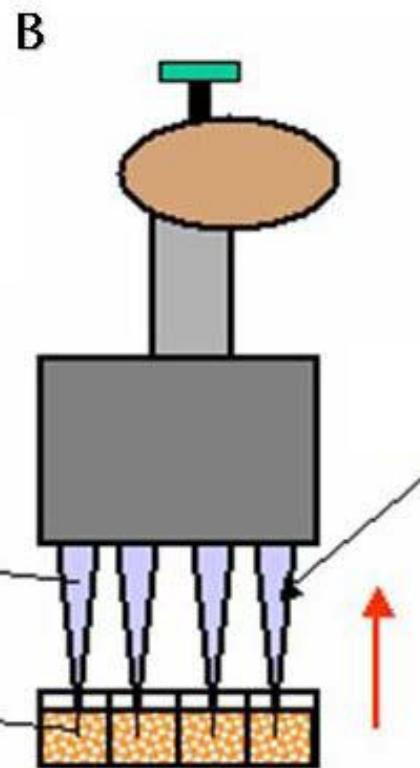
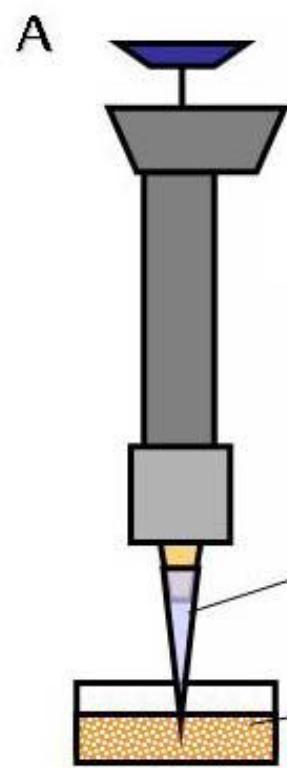


Positive chemotactic responder
E. coli cells

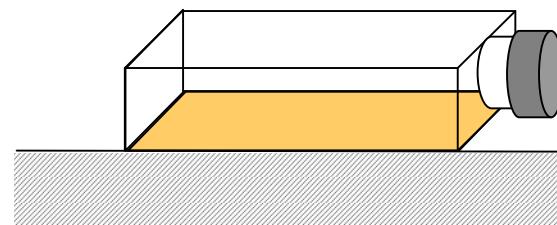
Cell migrated into the capillary

Concentration gradient

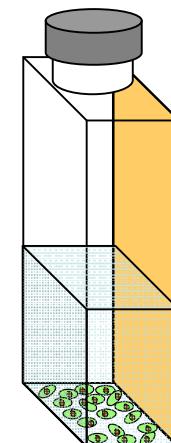




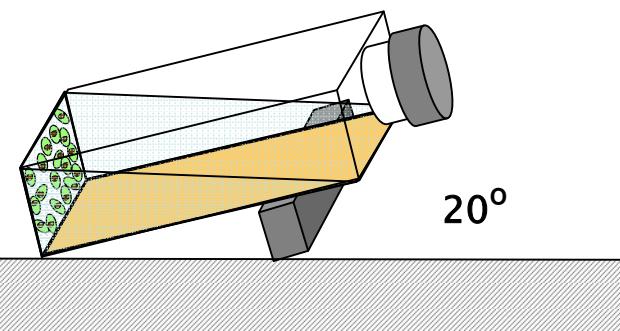
**1. Coating surface
with ECM peptides**



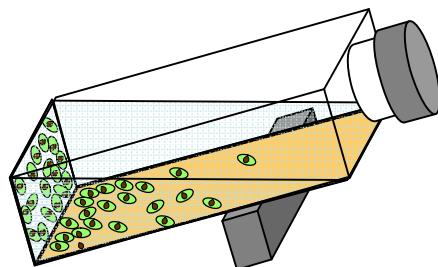
**2. Loading cells
and cell adhesion (24 h)**



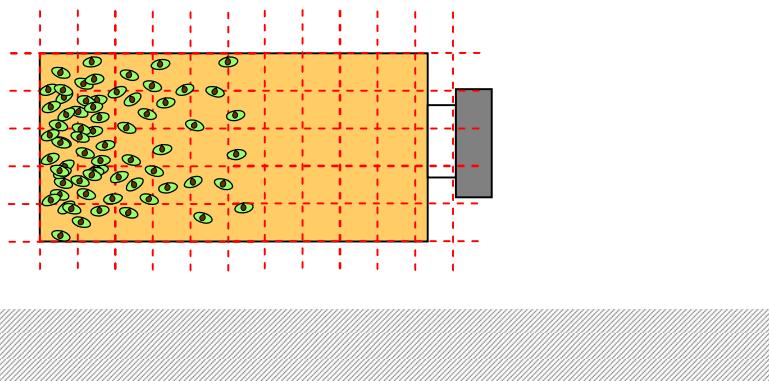
**3. Tilting flask
and culturing (1–10 days)**

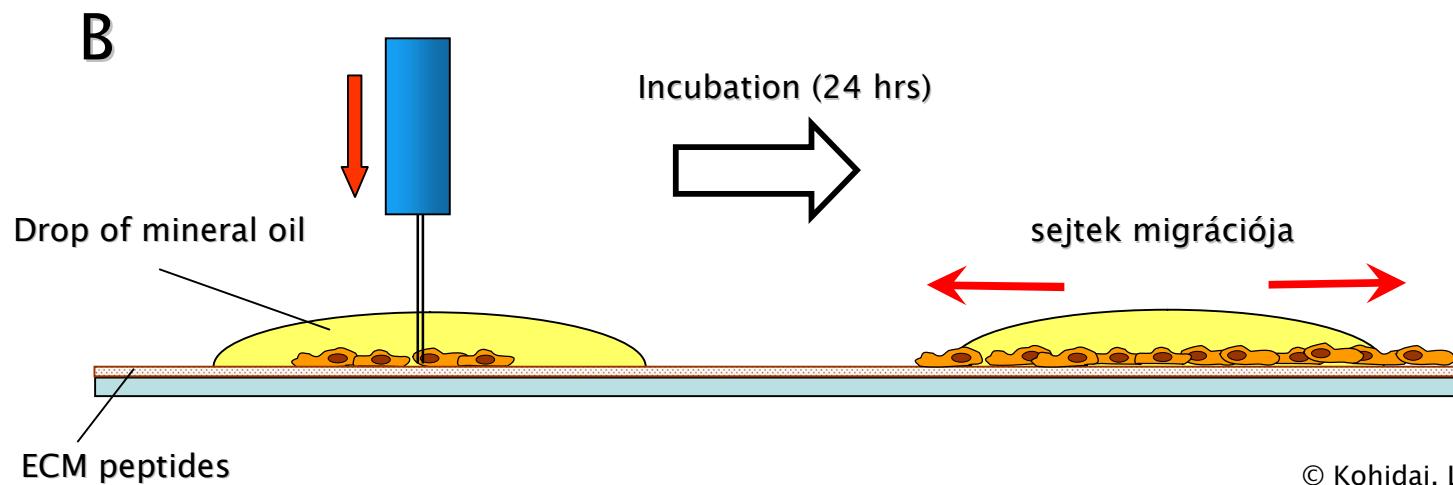
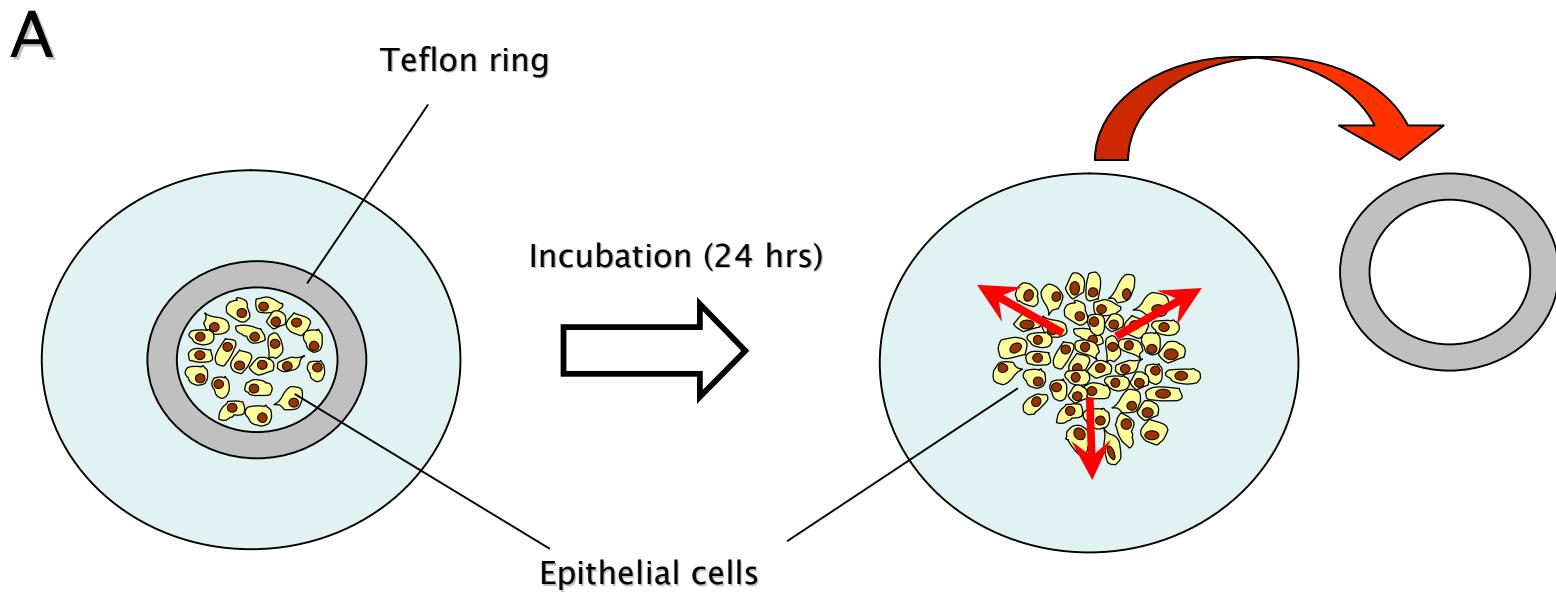


4. Migration of cells

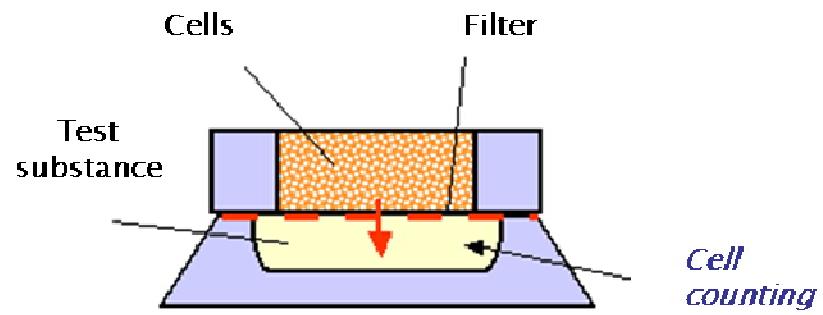


5. Evaluation

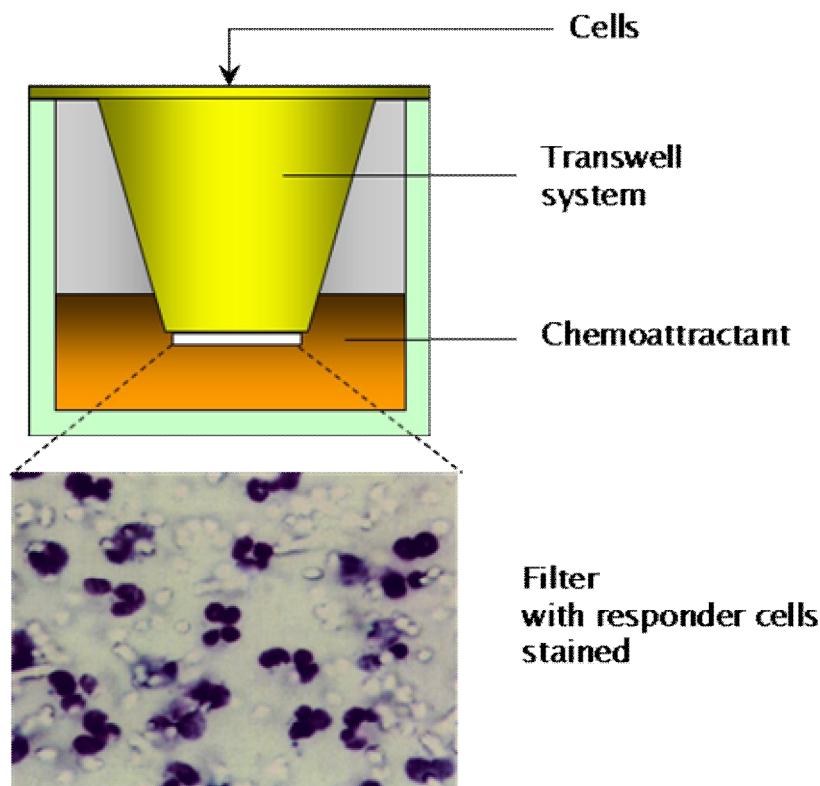




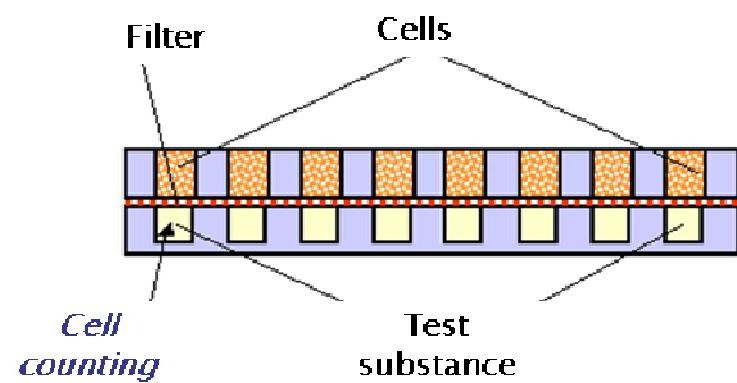
© Kohidai, L. 2007.



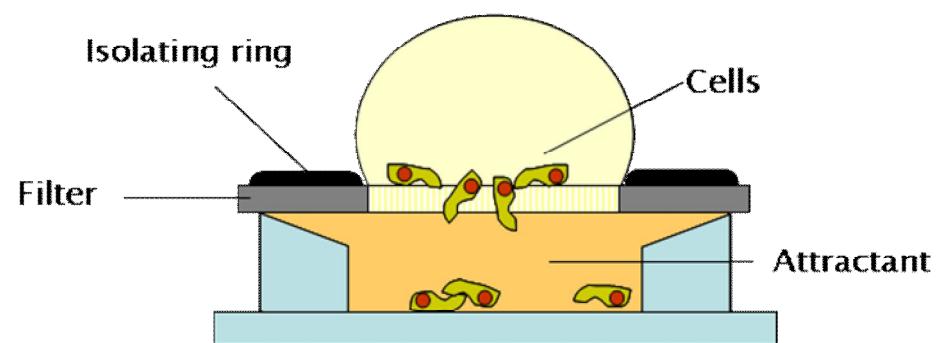
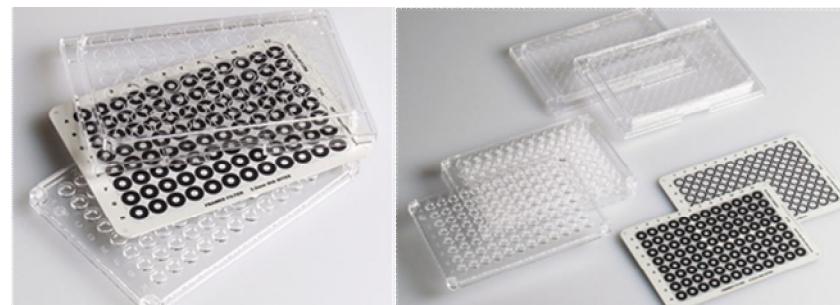
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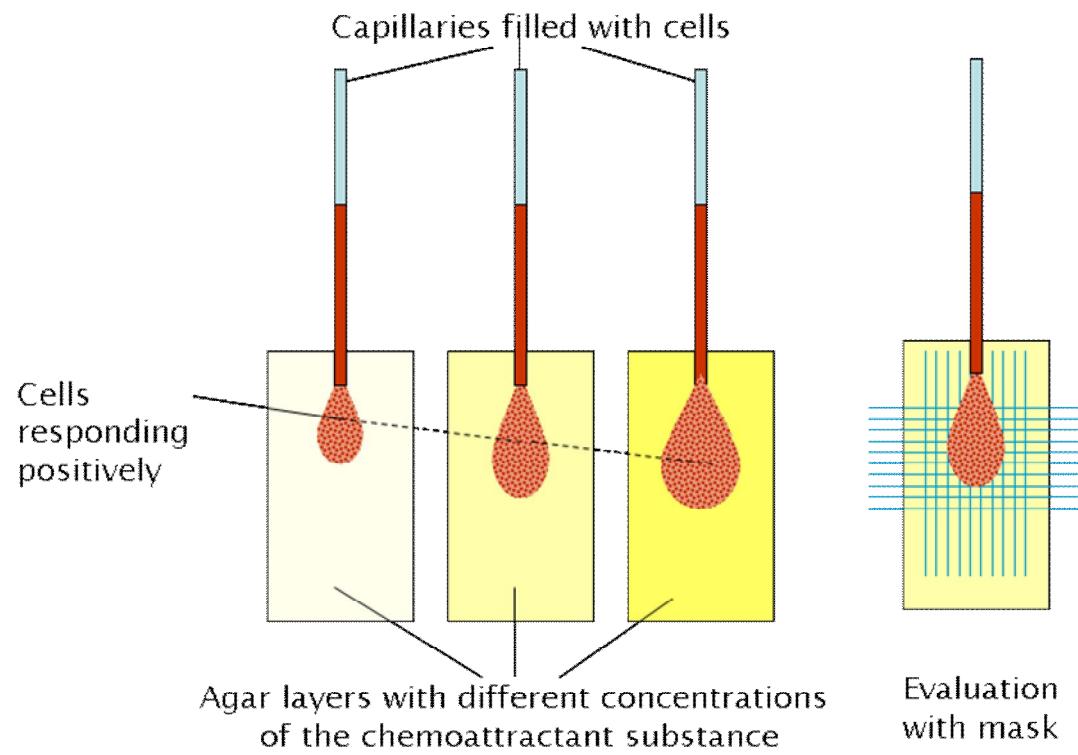
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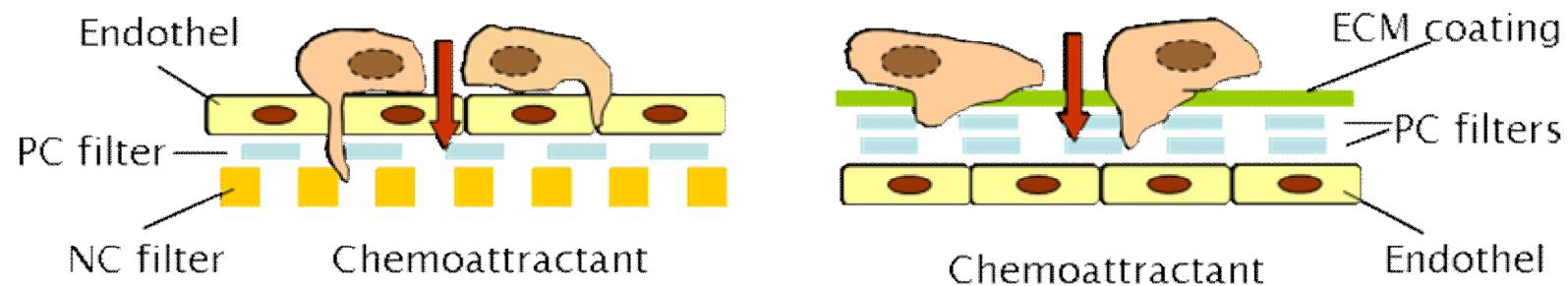


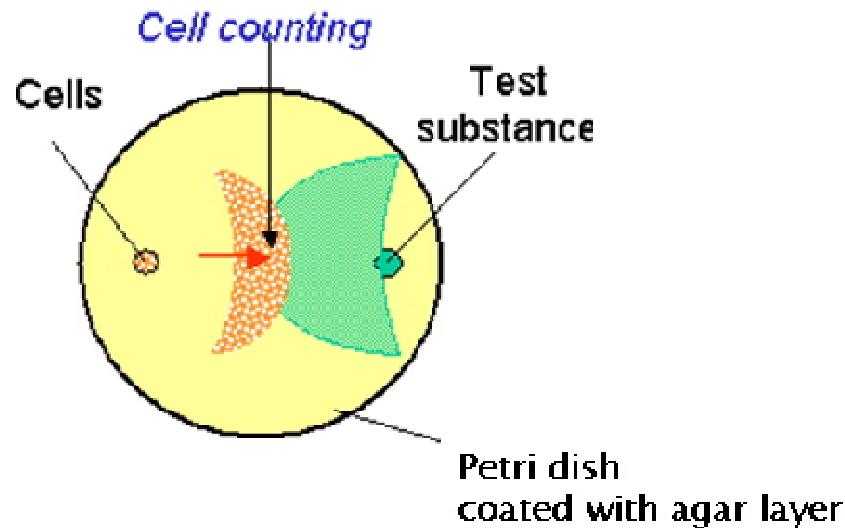
© Kohidai, L. 2006.



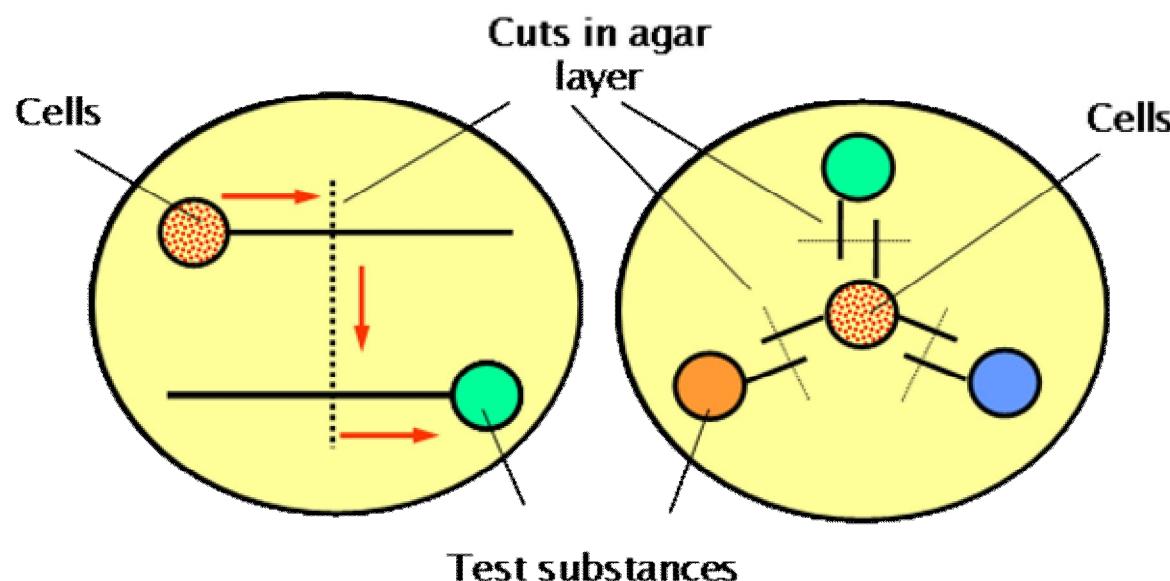
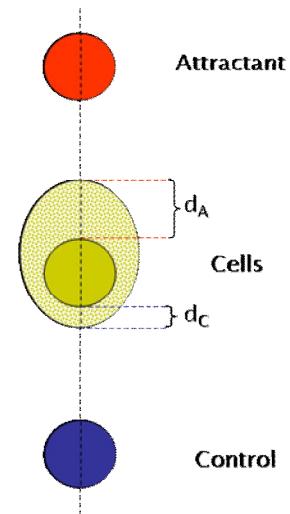
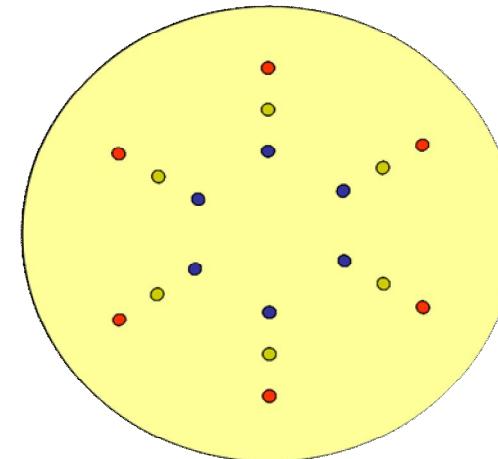
Direct TEM assay

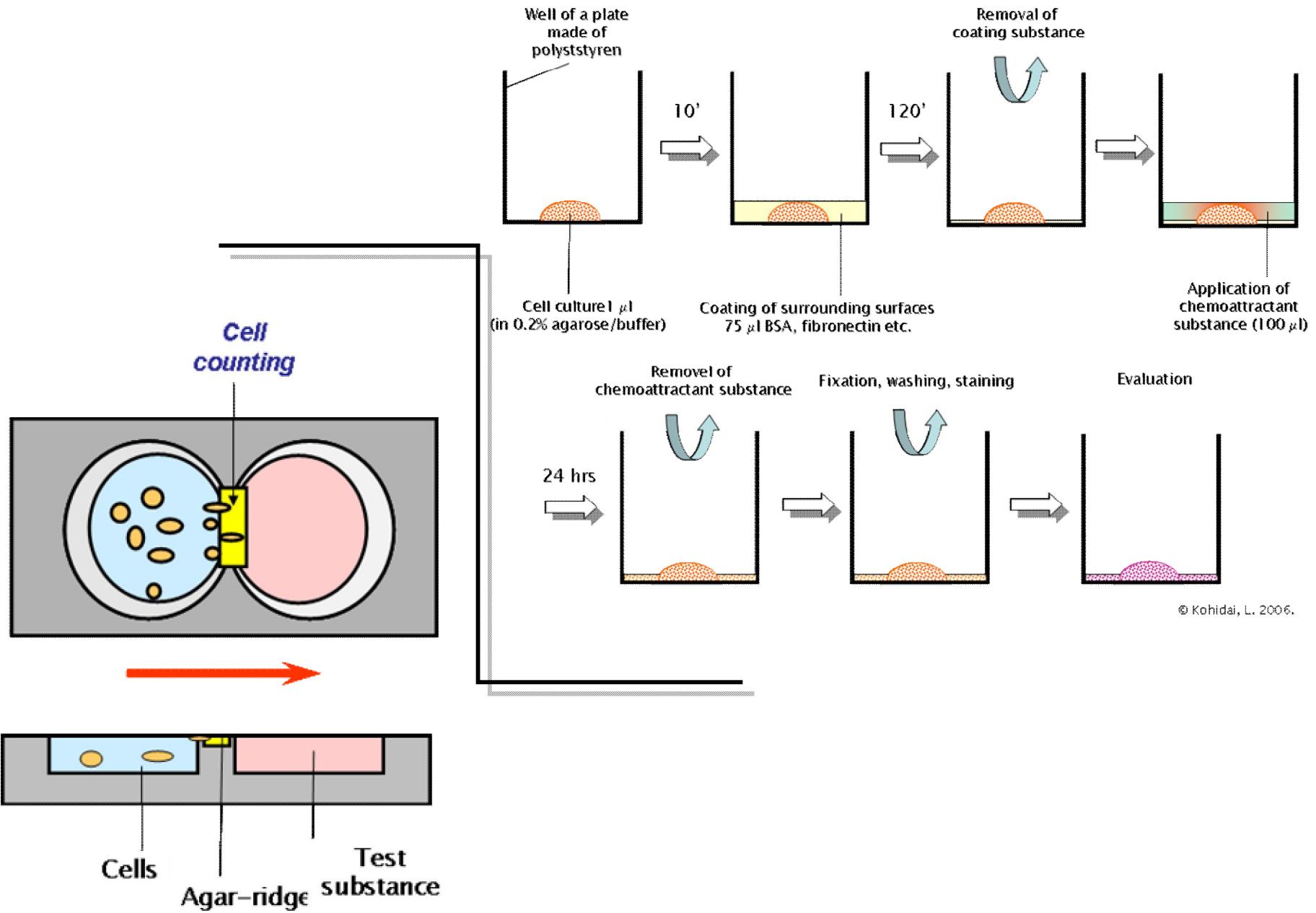
Reverse TEM assay



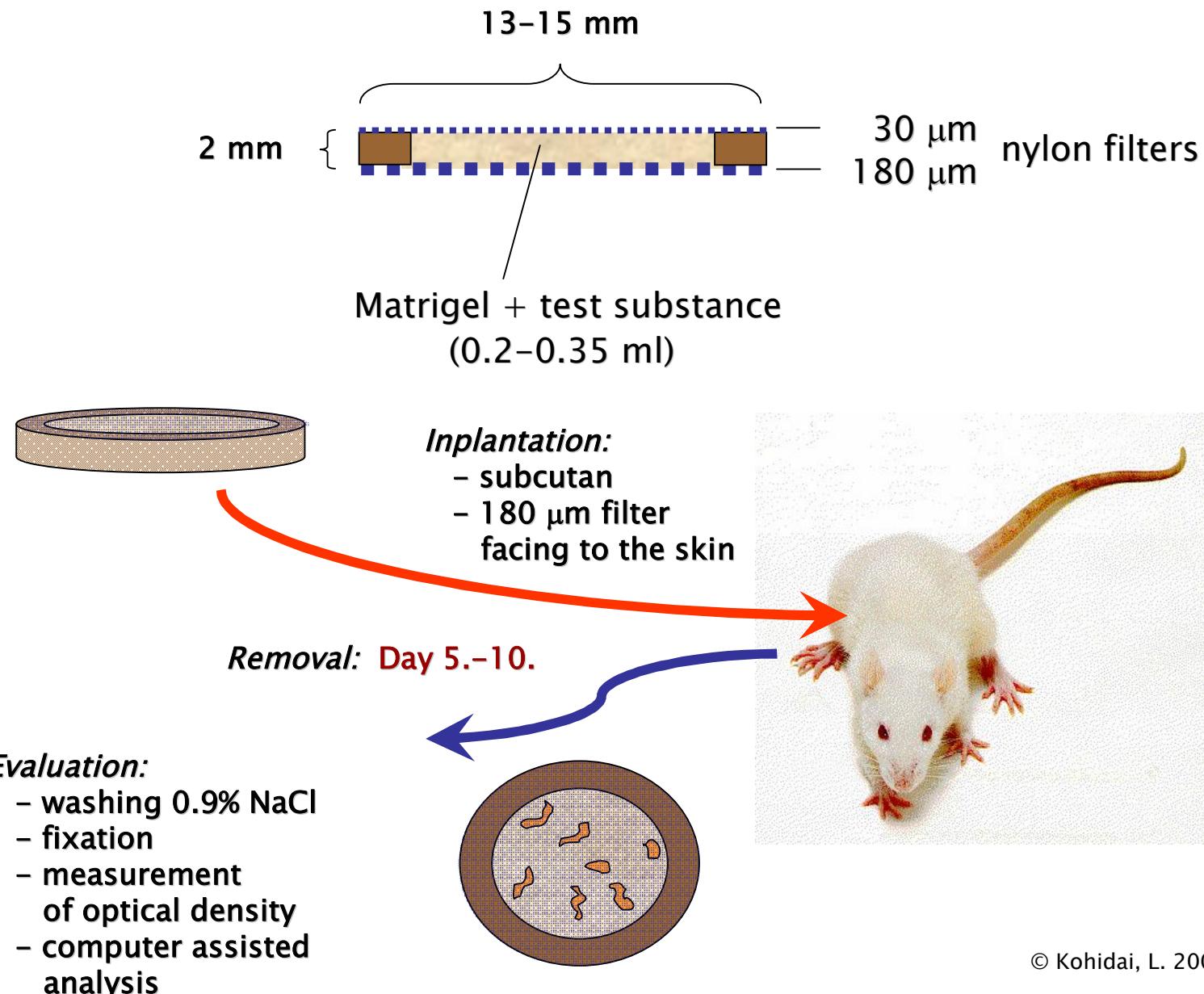


Conventional arrangement of 3-hole systems
in agar plate



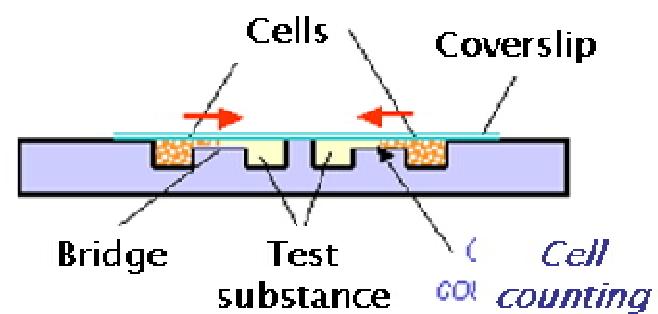
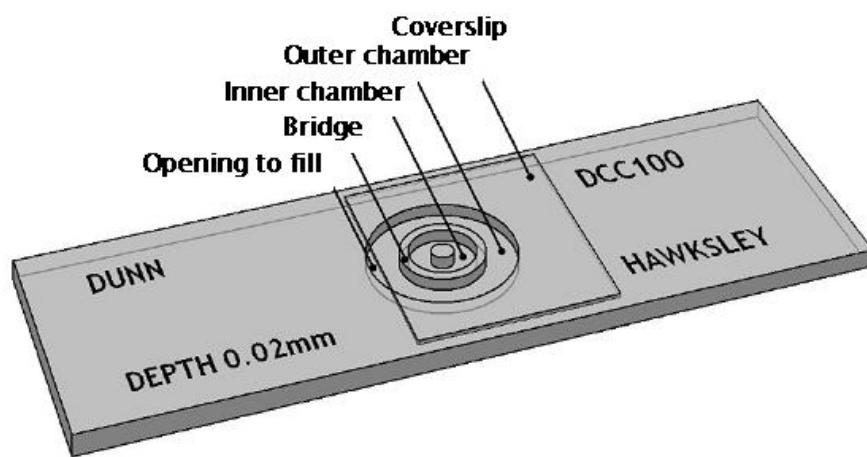
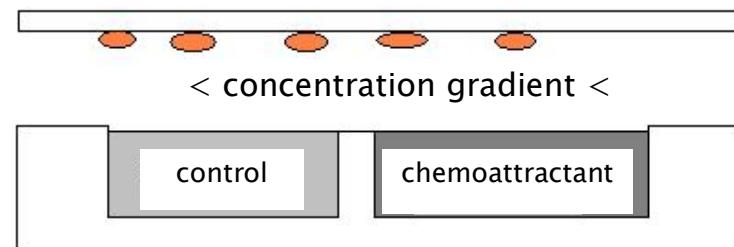


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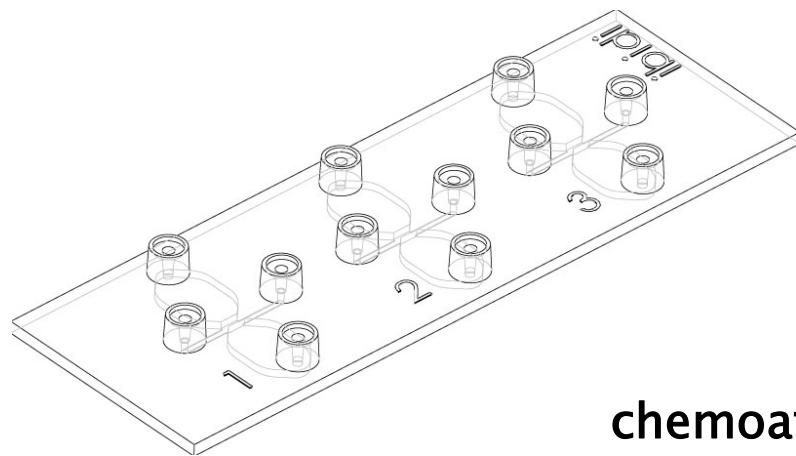
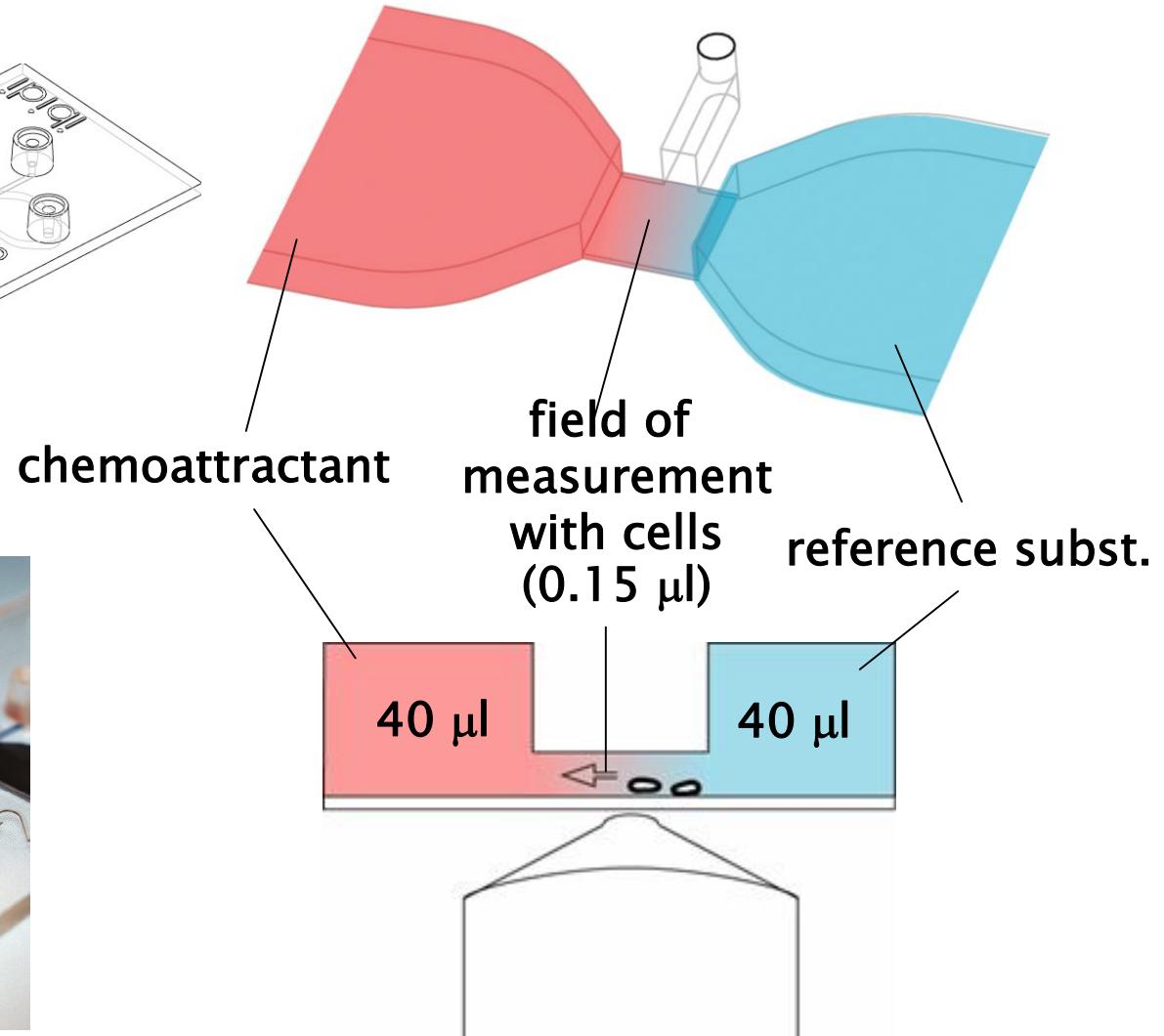
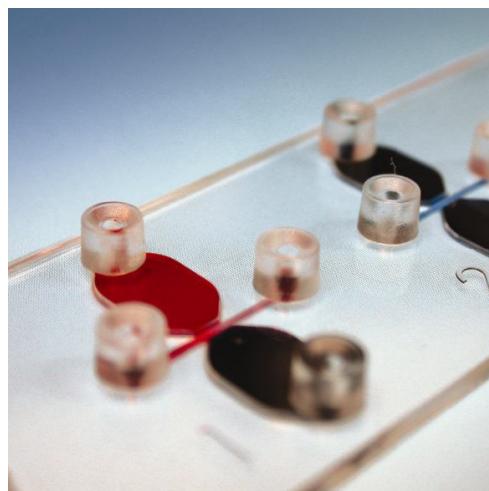


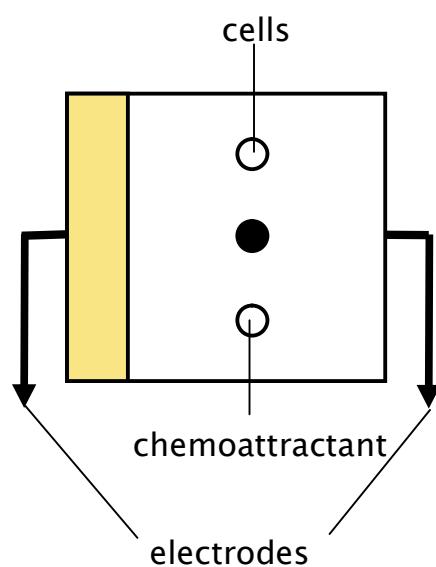
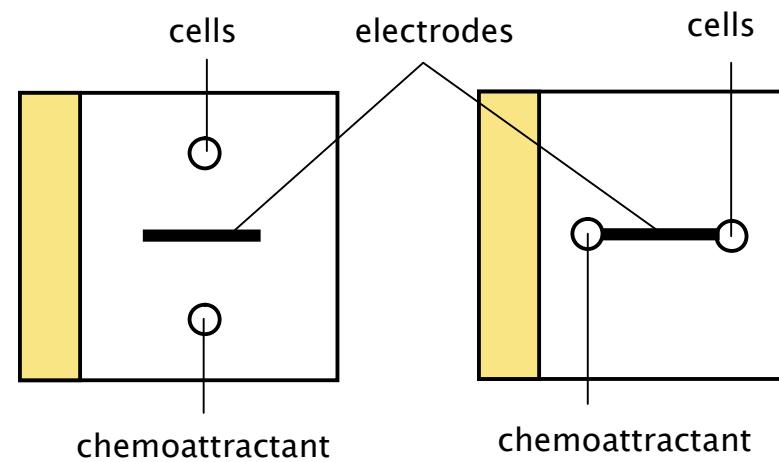


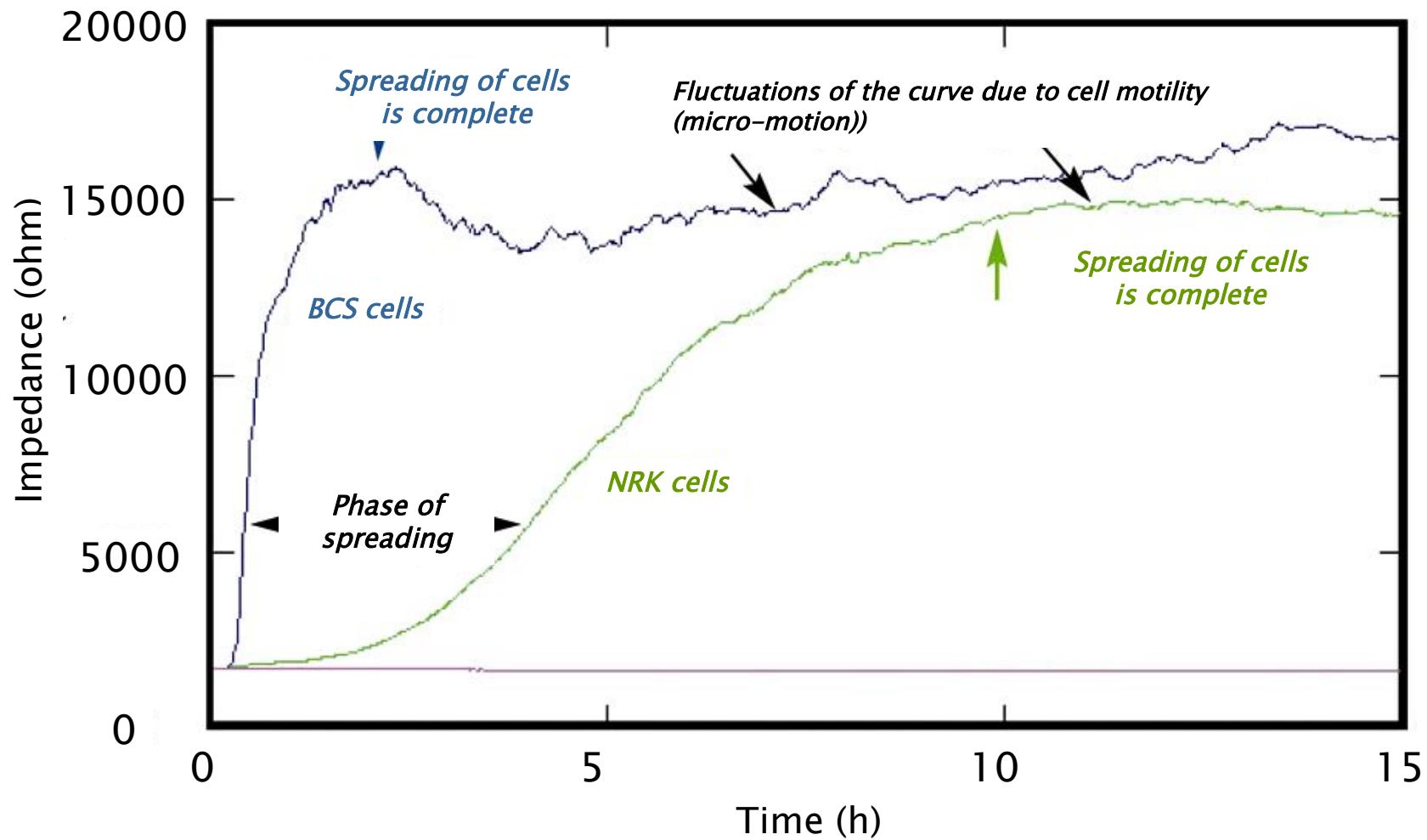
coverslip with cells

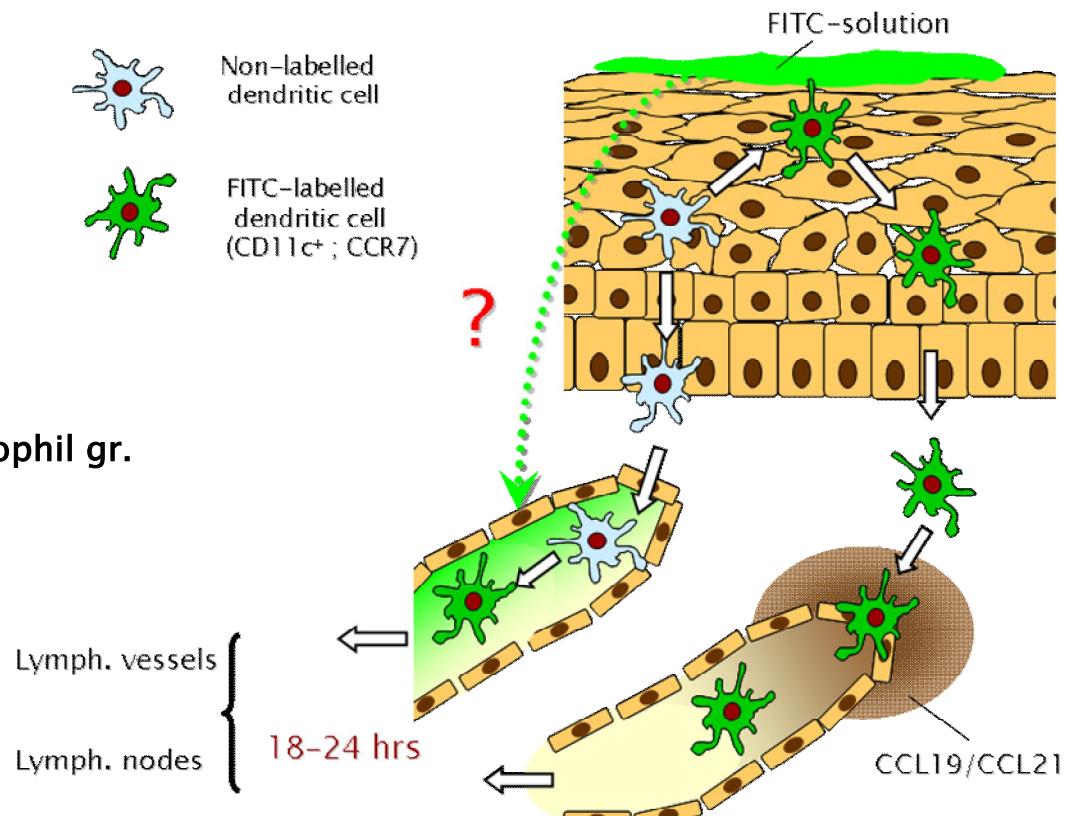
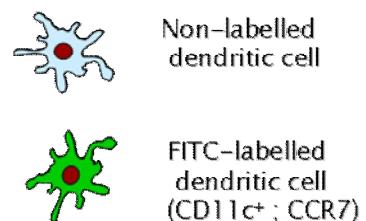
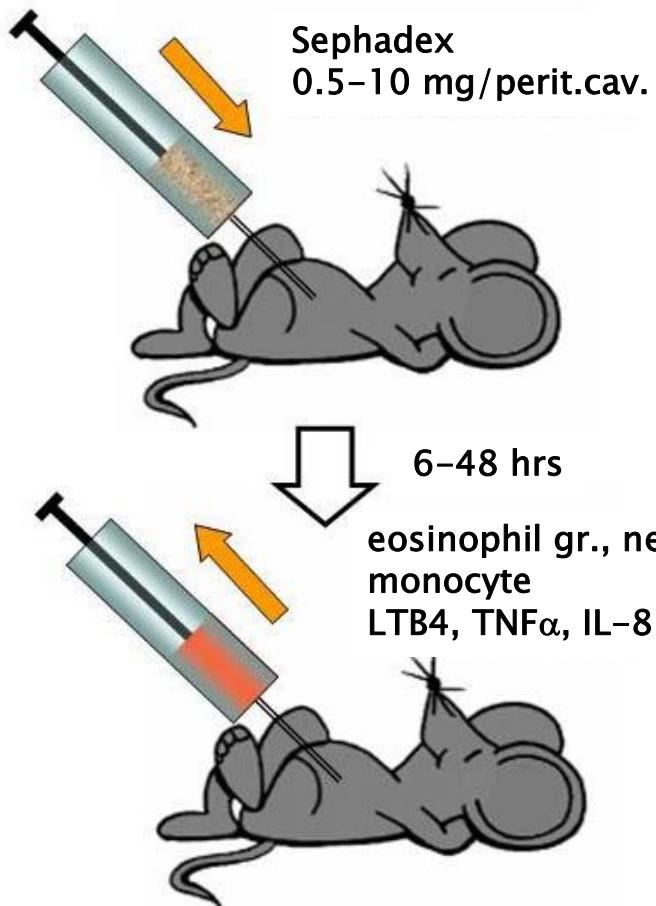


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A**B****C**

A**B****C**





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