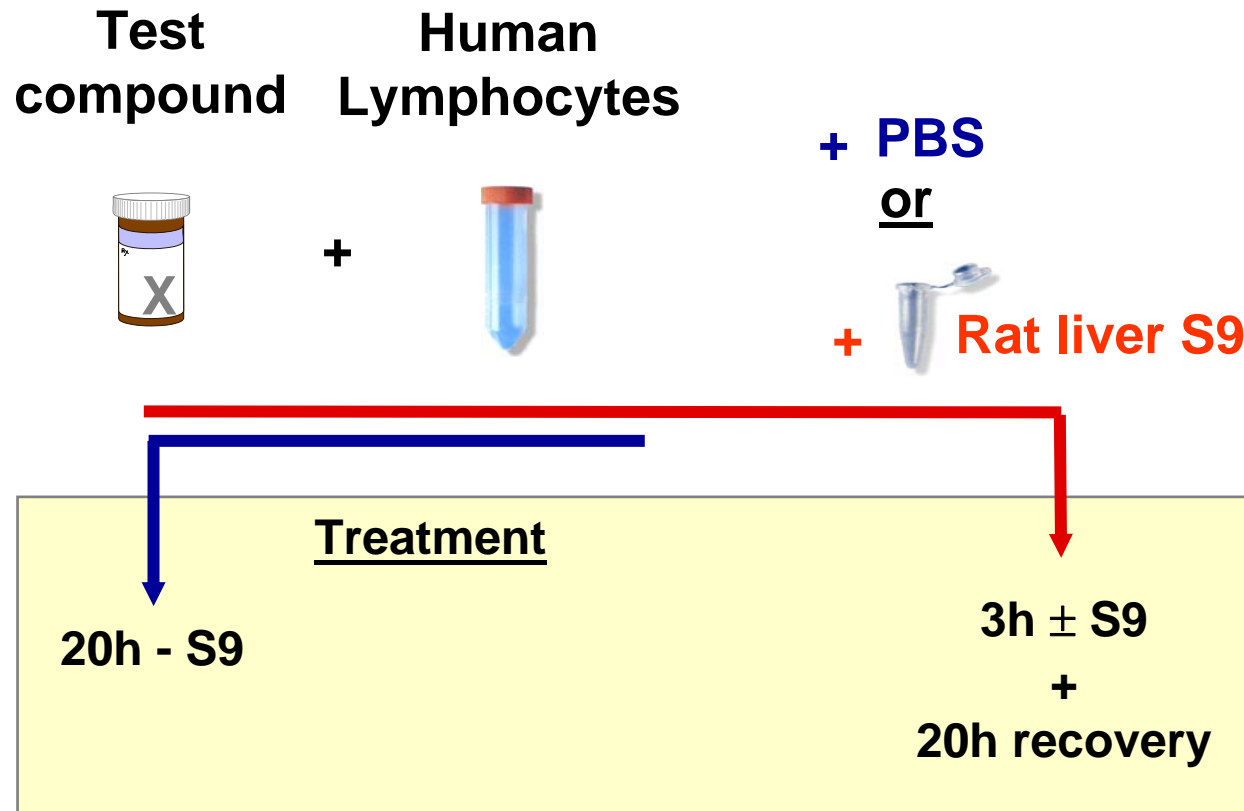


Genotoxicity: Chromosome Aberration Test

- **Objective:** *in vitro* assay for the identification of chemical compounds with chromosome damaging potential
- **Principle:** human peripheral blood or cell lines are treated with the test compound where after metaphase spreads are made of the chromosomes. The chromosome are evaluated for numerical and structural aberrations
- **Development Stage:** contracted out but can be delivered as a service
- **Results / data:** number of structural aberrations
- **Applicability Domain:** chemicals, drugs cosmetics

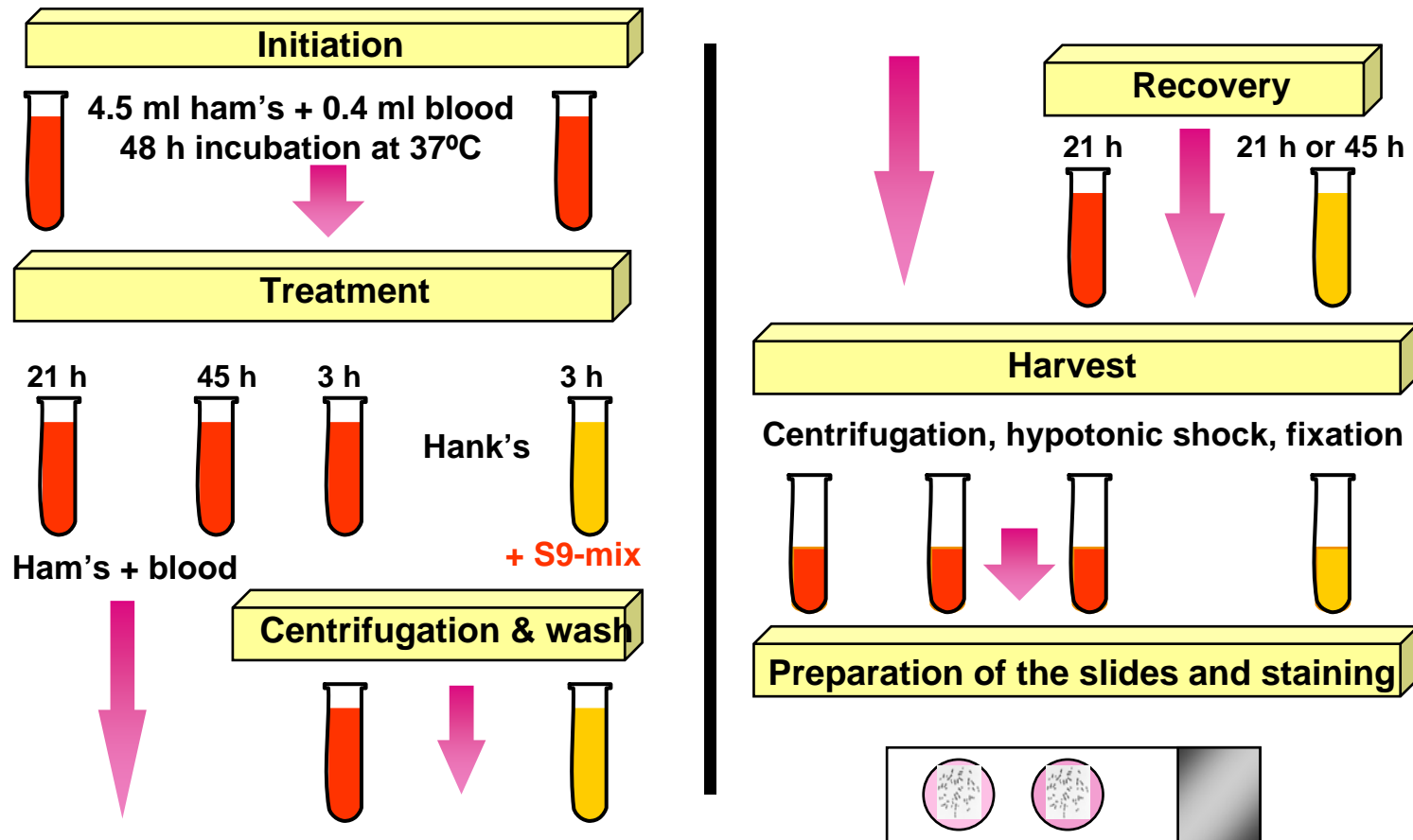
Genotoxicity: Chromosome Aberration Test

Experimental layout



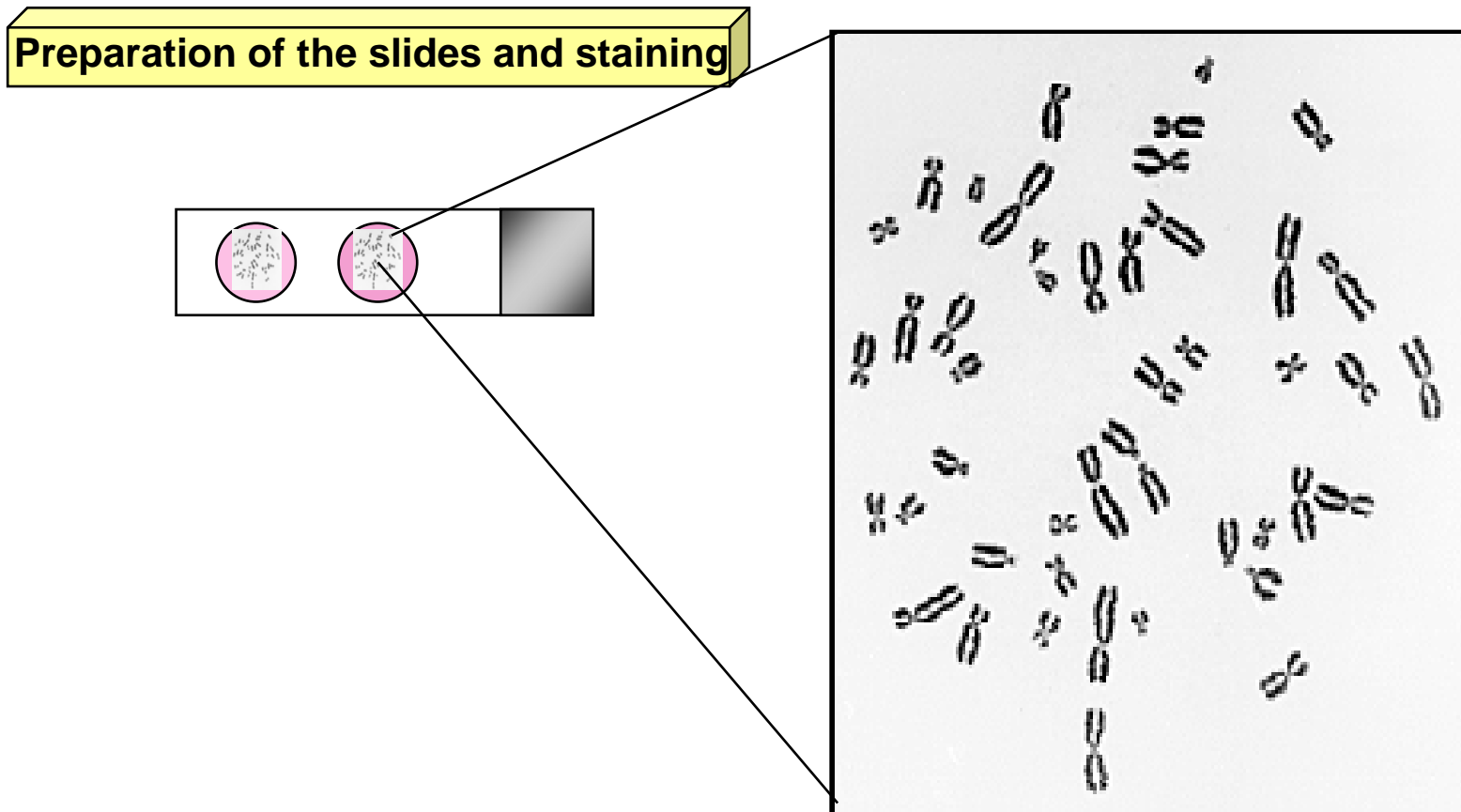
Genotoxicity: Chromosome Aberration Test

Experimental layout



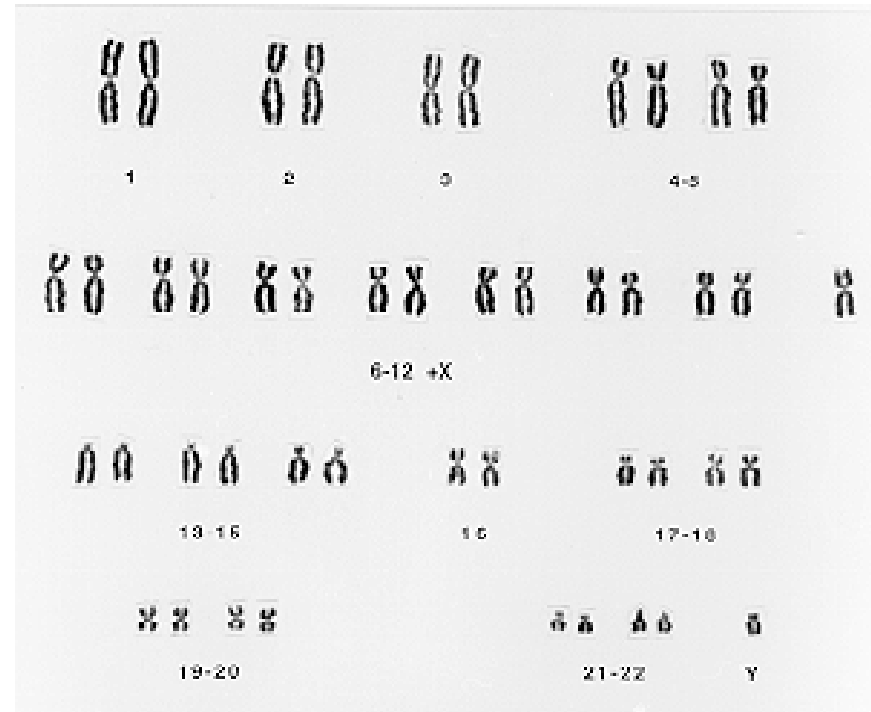
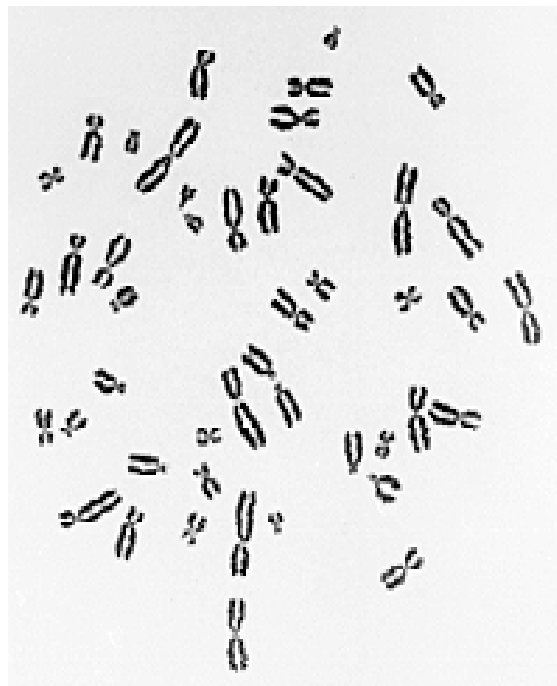
Genotoxicity: Chromosome Aberration Test

Experimental layout



Genotoxicity: Chromosome Aberration Test

Normal human (man) karyotype



Genotoxicity: Chromosome Aberration Test

Most common types of aberrations

