1 Viruses Affecting Nervous System

8-15-87

1) Retroviruses Inducing Neurological Disease

RNA Viruses

1) HTLV-III (Aid) Man

+2) Visna (Choroid Plexus Cell) Sheep (Not small animals)
Stationary Nondivider

3) CaBrE MoMLV Neurotropic Mouse

4) Maedi Sheep

5) CAEV (Caprine Arthritis encephalitis Virus) Goat

6) WME-MLV

7) Polio Virus

8) Rabies (RNA Virus grown)

9) Sinbis in Cytoplasm

10) ? Scrapie

2) DNA Viruses

1) ICV

2) Mengo Virus (Highly Neurotropic Virus
Infects N6108-15 cells
N18

3) EMC (Encephalomocarditis Virus
Infects N6108-15
N18

SV-40 Ependymal Choroid Plexus 4) Herpes Simplex Virus Encep
Kurch

3) Oncogenes

c-erb Brain +++ 2

1/0

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1) Idea: Possible Problems

Prepare nuclear ~~extracts~~ fractions from diff tissues or diff types of cell lines & compare protein binding to Viral enhancer. Look for Diff

a) No good

2) Need to start with Viral enhancer region(s) (or Promotor Regions of oncogenes)

1) Hotted Virus is aids Virus, Neurotropic variety

2) Visna Virus Infects Choroid plexus Rabies Virus

3) Compare MoMLV with Neurotropic MLV. They differ in enhancer

1) Maldi

Caev