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(54) Title: INFECTION OF EUKARYOTIC CELLS WITH VIRUSES *IN VITRO*

(57) Abstract: The invention related to a process for infecting eukaryotic cells with one or more virus species, preferentially hepatitis B or hepatitis C virus, as well as cell cultures infected by the same. To achieve this goal, plasma or serum obtained from individuals infected by viruses, preferentially hepadnaviridae and flaviviridae, is used an inoculum to infect established eukaryotic cell lines or primary cells, preferentially hepatocytes, which in turn produce viral particles. This process, the resulting infected cells and cell culture supernatant can be used in many situations, notably the screening of drug candidates, the detection of antibodies, the generation of a diagnostic kit and the production of vaccines.