Gloves: Know the limits of the material your gloves are made

Chemical resistantant gloves are usually much more rigid and as such not so suited for delicate manipulations. These gloves should be used when highly toxical material have to operated.

Chemicals can permeate through gloves depending on their material, when handling new and toxic chemicals check the MSDS for recommendation.

Nitrile gloves:

Ethanol passes within 0s

Chloroform passes within 4min. Since Chloroform is often used as part of extraction reagents for nucleic acids it is recommended to change the gloves frequently during extraction.

Sterillium or washing your gloved hands before starting touching the cells?

Washing of latex gloves with plain soap or alcohol can cause micropunctures. This condition, known as "wicking," may allow liquids to penetrate through undetected holes in the gloves. For that reason, washing of gloves is not recommended.

Actually there is no benifit for normal cell culture work:

- Incubator, exterior of the dish, the air of the room is non-sterile at all, what would be the benefit of sterile gloves? If you are touching sterile material, the surface of your gloves should be sterile.

Change gloves frequently:

Manipulation of objects and body heat weakens the material.