

residence time (hydraulic retention time), t_r

in biotechnology

The average time a particle or volume element of the culture resides in a bioreactor (or other device) through which a liquid medium continuously flows. Residence time of the liquid is the reciprocal of dilution rate.

Source:

PAC, 1992, 64, 143 (*Glossary for chemists of terms used in biotechnology (IUPAC Recommendations 1992)*) on page 164