

**induction (in enzyme catalysis)**

1. An increase in the rate of synthesis of an (inducible) *enzyme* in response to the action of an *inducer* or environmental conditions. An inducer is often the substrate of the inducible enzyme or a structurally similar substance (gratuitous inducer) that is not metabolized.
2. The experimental elicitation of lytic growth by a *prophage* from lysogenic bacteria.

1992, 64, 157; 1994, 66, 2593