

Lab Basics: How to Perform Serial Dilutions

Serial Dilution of Chemicals

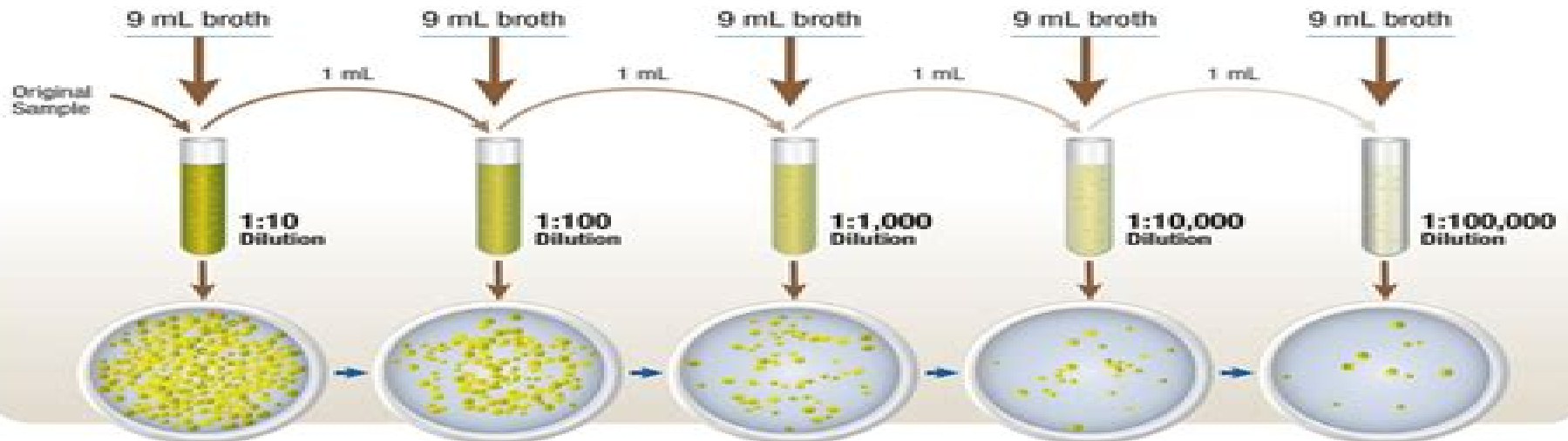
A serial dilution is a simple technique for reducing the concentration of a solution in a systematic way.

In a dose-dependent study (e.g., an LC50 experiment), you can use the technique to produce experimental concentrations of dilution factors. Start by taking 1 mL of the stock concentration of your chemical, transferring it into 9 mL of water, and mixing. Use this dilution factor throughout the series to produce experimental concentrations as shown in the illustration below.



Serial Dilution of Living Materials

The technique also works with living organisms such as bacteria. It allows you to reduce the number of bacterial cells on a plate to make counting colonies more manageable. Simply use the dilution factor in conjunction with the bacterial count on the plate to determine the number of bacteria in the original sample.



Manual Dilutions In Chemistry

B Lingard



Manual Dilutions In Chemistry:

Unveiling the Energy of Verbal Art: An Psychological Sojourn through **Manual Dilutions In Chemistry**

In some sort of inundated with monitors and the cacophony of fast interaction, the profound energy and emotional resonance of verbal art usually fade into obscurity, eclipsed by the regular barrage of noise and distractions. Yet, nestled within the musical pages of **Manual Dilutions In Chemistry**, a fascinating work of fictional splendor that impulses with organic emotions, lies an unforgettable journey waiting to be embarked upon. Penned by way of a virtuoso wordsmith, this magical opus books readers on a mental odyssey, gently exposing the latent possible and profound affect stuck within the complicated internet of language. Within the heart-wrenching expanse of this evocative analysis, we will embark upon an introspective exploration of the book is main styles, dissect their interesting writing fashion, and immerse ourselves in the indelible effect it leaves upon the depths of readers souls.

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