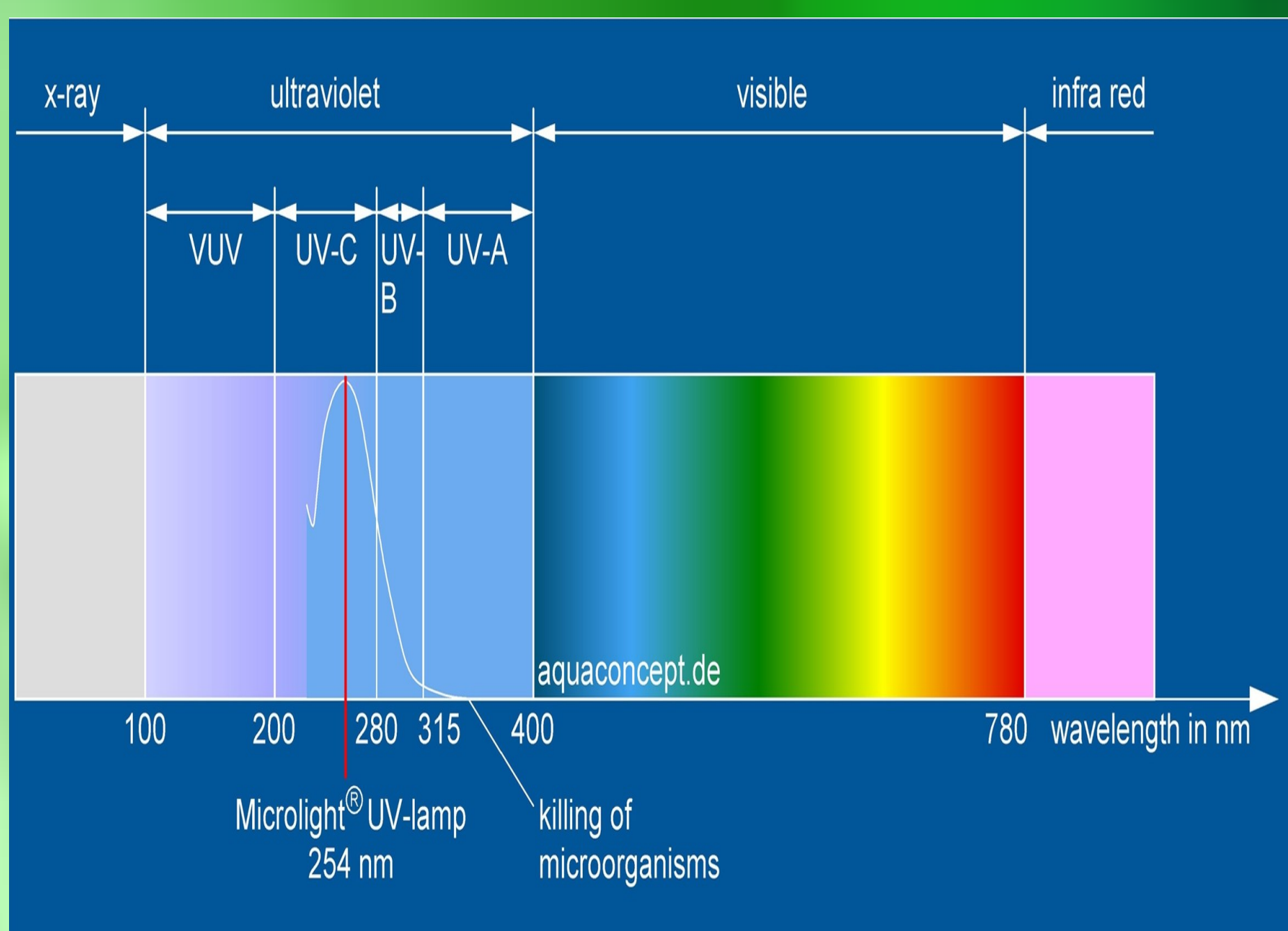
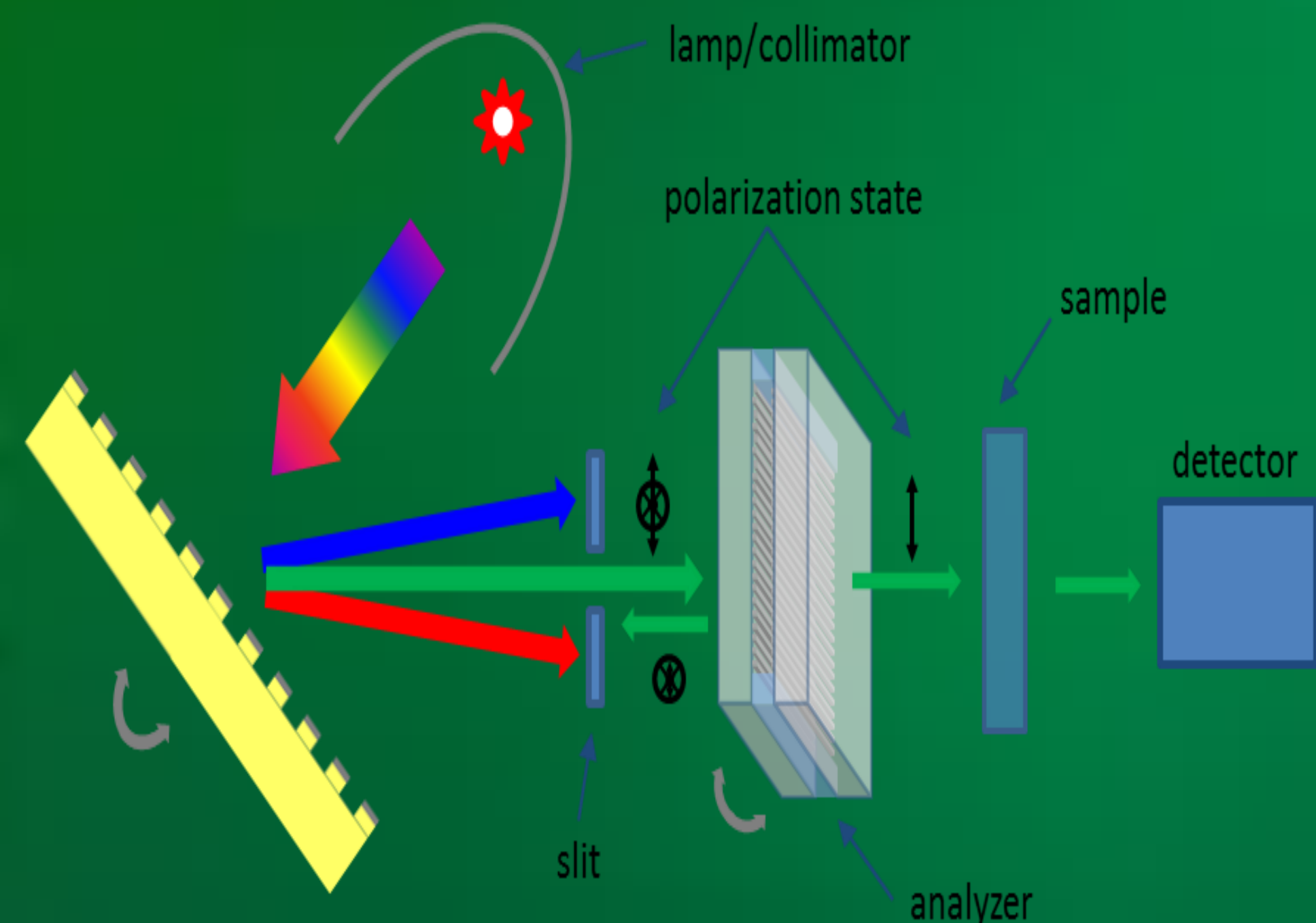




# UV -Vis NIR Spectroscopy

Isaac Newton first applied the word *spectrum* to describe the rainbow of colors that combine to form white light. During the early 1800s, Joseph von Fraunhofer made experimental advances with dispersive spectrometers that enabled spectroscopy to become a more precise and quantitative scientific technique. Since then, spectroscopy has played and continues to play a significant role



## Applications

- Identification of various organic and inorganic molecules and ion by matching their spectrum with reference spectra
- For qualitative and quantitative analysis of the drugs in pharmaceutical industry
- Monitoring of reaction rates (chemical kinetics)
- Enzyme assays
- Environmental remote sensing

