
Preface

As part of the boom in biotechnology, particularly in *Tissue Engineering*, primary human cell culture has become a major pillar in academic research and in the biopharmaceutical industry. Obtaining a viable culture from a tissue sample and maintaining it for experimental, diagnostic or therapeutic purposes can be quite a challenge. Based on laboratory protocols and practical experience from many years of primary cell culture, we provide the basic steps necessary for culturing primary human cells.

Written by students for students, this manual is designed to serve as a practical guide in primary human cell culture. We did not intend to bring out a large compendium and left lots of space for notes and the design of manual is such that it can be continuously upgraded and extended. The content of this manual is by no means exhaustive. Protocols for specific cell types, out of over 200 different cell types in the human body, were selected from major tissue groupings in the body. These should serve as foundations for individual researchers to experiment, explore and establish niche protocols for their specific needs. For practicality, we have chosen a physical format that can fit into the pocket of a lab coat, adapted from the clinical checklists available for residents and trainees in medicine.

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