

# ADVANCED HEALTHCARE MATERIALS

## TISSUE ENGINEERING

Rapid and automatic tissue engineering technology for 3D-human tissue chips consisting of over 400 simplified micro-tissues is described by Mitsuru Akashi and co-workers on page 534. The 3D-liver micro-arrays consisting of hepatocytes and endothelial cells are prepared by combination of hierarchical cell manipulation and inkjet cell printing technologies. The 3D-human tissue chips will be useful as an innovative technology for pharmaceutical assays.

