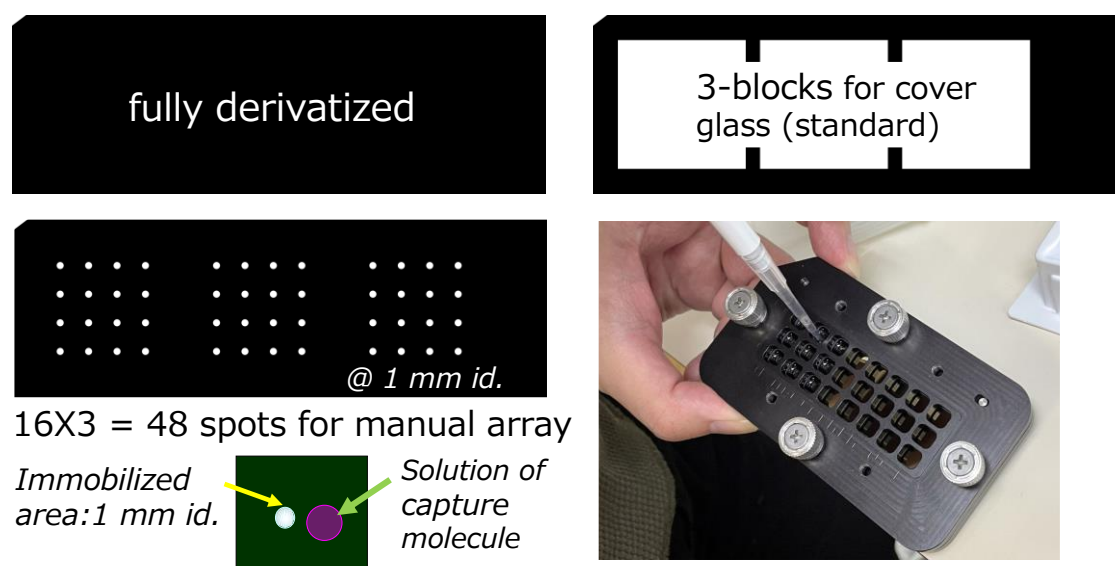


A



B

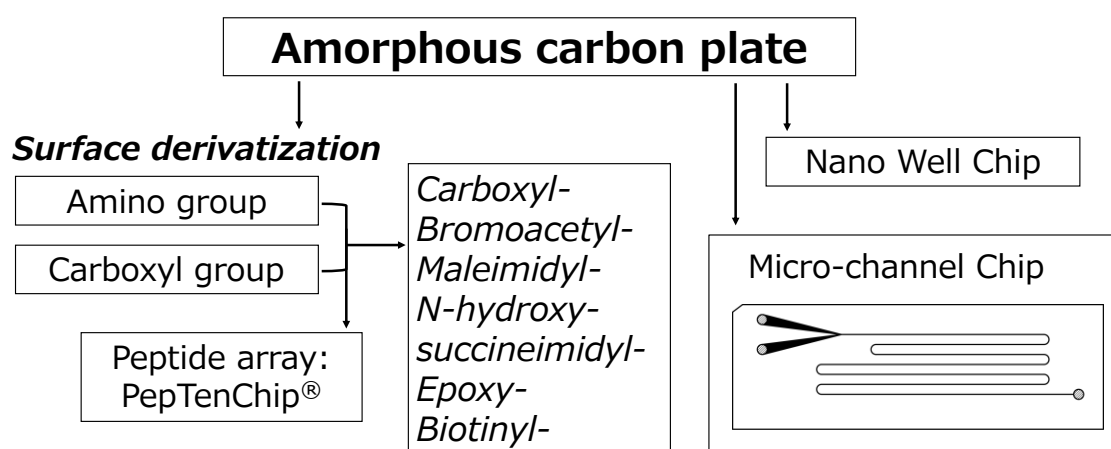


Fig. S3.

A. Different derivatizing patterns (fully and/or partially derivatized) by surface-masking. Naked surface depicted black area is non-self-fluorescent and chemically inert. Picture right is manual operation with a fully derivatized substrate using incubation chamber. **B.** Overview of applications for amorphous carbon substrates. Moreover nano-wells and/or tailor-made micro-channels can also be easily manufactured.