Handling Guidelines

Nexterion® Slide MPX 48

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1 Introduction

This document should be used together with the respective MPX 16 protocol and explains the differences of a MPX 48 substrate in comparison with an MPX 16 substrate.

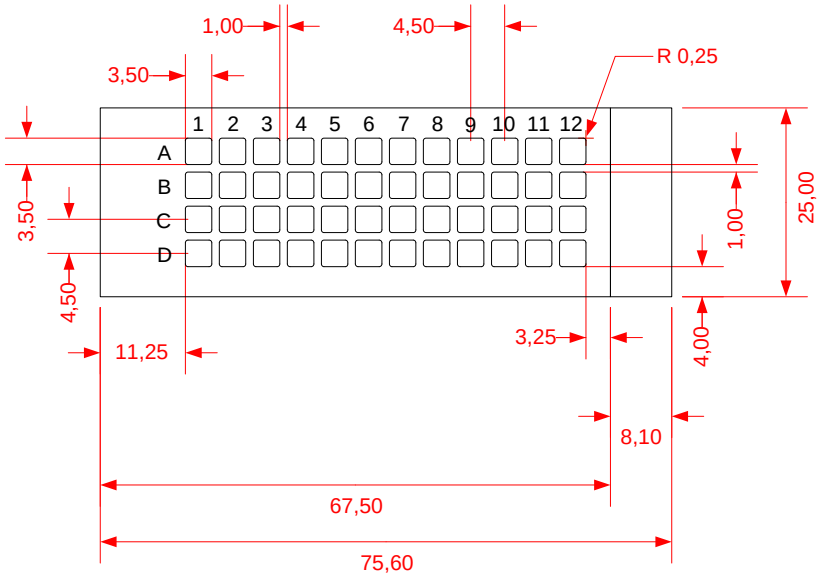

Fig.1 Image of an MPX 48 slide

2 Printing recommendations

1. Print at a reasonable distance to the patterning to avoid interference of your probe molecules with the patterning
2. Check your printer settings for every slide, as the patterning position can be slightly different on every slide
3. Use small pins or buffers that result in small spots to print a maximum number on desired spots per well.

3 Target incubation

1. In contrast to MPX 16 slides we do not have suitable superstructures which might be used for target incubation.
2. Therefore the target volume has to be applied carefully on every well, using the hydrophobic patterning as barrier. Please adjust the target volume depending on the surface tension of your solution, that no cross contamination can occur between the wells.
3. Carefully transfer the assay to a humidity chamber, if incubation times or evaporation rates require this.
4. Avoid drying of the wells as this will cause high background signals.