



INDIAN INSTITUTE OF TECHNOLOGY BOMBAY
MATERIALS MANAGEMENT DIVISION
Powai, Mumbai - 400076

PR: 1000025276

Technical Specification

1. PEPperCHIP® SARS-CoV-2 Proteome Microarray Qty:50
 - a). Whole proteome of SARS-CoV-2 (GenBank ID:MN908947.3) converted into overlapping peptides
 - b). Incl. 49 mutations of the B.1.1.7, 501.V2, B.1.1.28 and P.1 Manaus variants and all spike protein mutations of the Alpha, Beta, Delta, Delta Plus and Omicron variants of concern
 - c). 5,347 different peptides printed in duplicate
 - d). 15 amino acids with 13 amino acids peptide-peptide overlap
 - e). Including HA and polio control peptides
 - f). Compatible with a 3/1-well PEPperCHIP® Incubation Tray
Cat No. SPC.051.001

2. PEPperCHIP® Incubation Tray 3/1 Qty:03
 - a). 3/1 format for up to 3 microarrays at once
 - b). Minimal sample consumption
 - c). Shaking incubation enabled
 - d). Fully reusable
Cat No. PPC.004.001

3. Donkey anti-Human IgG (H+L) Cy3 Qty:01
 - a). donkey polyclonal anti-human IgG (H+L) secondary antibody
 - b). Cy3 labeling
 - c). 1mg at a stock concentration 1 mg/ml
 - d). recommended working dilution of 1:2000 - 1:5000

4. Rabbit anti-human IgA Cy5 Qty:02
 - a). rabbit polyclonal anti-human IgA secondary antibody
 - b). Cy5 labeling
 - c). 100ul at a stock concentration 1 mg/ml
 - d). recommended working dilution of 1:2000 - 1:5000

5. Rockland Blocking Buffer (500 ml) Qty:01
 - a). Recommended for blocking of PEPperCHIP® Peptide Microarrays
 - b). 500 ml pure blocking buffer
 - c). Recommended storage at 4°C

6. Mouse Monoclonal anti-HA (12CA5)-Cy5 Con QTY:05
 - a). Monoclonal anti-HA antibody
 - b). Cy5 labeling for e.g. GenePix and Agilent Scanners
 - c). 10 µl at a stock concentration 1 mg/ml
 - d). Recommended working dilution of 1:2000Cat No. PPC.038.002

7. MAPIX Analyzer 1-Year License Qty:01
 - a). Software for microarray image analysis and data quantification
 - b). Intuitive and straightforward handling using .GAL files
 - c). available for 32 and 64 bit operating systems (Windows)
 - d). 1-year single user license