



**LifelineLab**

The Microarray Company

## Microarray Industry Products



**LifelineLab**

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**NBT / BCPIP**

Chromogenic phosphatase substrate.

Product number : BUF0200

0,6 ml.

Store between 2-8 °C

**Detection Buffer**

Dilution buffer for NBT/BCPIP.

Product number : BUF0190

60 ml.

Store between 2-8 °C

**Wash Solution**

For washing slides after coupling and reaction. Ready to use solution.

Product number : BUF0170

400 ml.

Store between 2-8 °C

**IFU** : Protocol for printing, binding, blocking and then reacting Proteins using Protein Chip Platform.

## Table of contents

- Services 4
- Products 5
  - *e-Surf* Nucleic Acids Spotting Kit 6
  - *e-Surf* Peptides Spotting Kit 7
  - *e-Surf* Proteins Spotting Kit 8
  - Protein Chip Kit 9



## Services

Purification of:

- Polyclonal and monoclonal antibodies
  - Recombinant antigens / antibodies
  - Plasma proteins from animal sera
- Solid phase antigen / antibody coating:
- Microplates
  - Beads (Polystyrene, magnetic)
  - Membrane (Nitrocellulose, Covalent)
  - Activated glass slides (proprietary chemistry)

Antigen / antibody labeling:

- Enzymes (AP, HRP)
- Colloidal gold (15 nm particles)
- Fluorophores (Cy3, Cy5)
- Biotin (spacer arm)

Spotting of:

- Nucleic Acids (aminomodified)
- Peptides
- Other Proteins (Antibodies, Antigens)

## Protein Chip Kit

**Product number : KIT0130**

Ready to use polymer substrate and colorimetric reagents system. The kit provides a complete set of common reagents for making microarray for protein / protein binding, based on biotin-streptavidin system and alkaline phosphatase color signal reaction. The kit is based on covalent binding technology and let you easily design custom microarrays . It is an useful tool using biochip for biological research fields such as Human medical, Veterinarian, Plant pathology, Breeding etc.

### **Kit content**

#### **Protein Chip**

32 x 3 activated well chip  
 Product number : MC0110.  
 Store desiccated between 18-22 °C

#### **Printing Buffer**

For printing and coupling Proteins.  
 Product number : BUFO140  
 60 ml.  
 Store between 18-22 °C

#### **Blocking Buffer**

For blocking residual reactive groups after coupling process.  
 Product number : BUFO150  
 100 ml.  
 Store between 2-8 °C

#### **Strep-AP Conjugate**

Streptavidin conjugated with alkaline phosphatase as enzyme.  
 Product number : CJ01010  
 30 µl.  
 Store between 2-8 °C

#### **Binding Buffer**

For dilution of specimen and conjugate.  
 Product number : BUFO160  
 100 ml.  
 Store between 2-8 °C

## e-Surf Proteins Spotting Kit

Product number : KIT0120

Single kit components can be ordered separately

### Kit content

#### e-Surf activated Glass Slides

4 x 4 activated glass slides

Product number : MA0110

Store desiccated at room

temperature

#### Print Buffer (Proteins)

For printing and coupling  
Proteins.

Product number :

BUF0140

100 ml.

Store between 2-8 °C



#### Blocking Buffer

For blocking residual reactive groups  
after coupling process.

Product number : BUF0150

250 ml.

Store between 2-8 °C

#### Protein Binding Buffer

For dilution of specimen and conjugate.

Product number : BUF0160

100 ml.

Store between 2-8 °C

#### 10 x Wash Solution

For washing slides after coupling and reaction. To be diluted according to the  
instruction for use.

Product number : BUF0170

250 ml.

Store at room temperature

IFU : Protocol for printing, binding, blocking and than reacting proteins on e-Surf  
Glass Slides .

## Microarray Industry Products

### Microarrays

Microarray analysis is a recently developed, revolutionary new science.

Nucleic acid, protein, antibody and tissue microarrays, can improve health care by providing rapid and affordable data for treatable and curable illnesses. Microarrays applications include studies of development and human disease, drug discovery, genetic screening and diagnostics. The key feature of a microarray slide relies upon the surface chemistry used to coat the glass.

Stability, precision, repeatability, resolution, sensitivity, uniformity and signal to noise are strongly affected by the quality of the substrate.

An inaccurately manufactured glass surface provides unreadable and unreliable results which are more critical in protein application.

e-Surf is an innovative, high performance activated substrate for protein and nucleic acid microarrays applications.

The proprietary functional 3D polymer is an innovative concept, developed by our experts in microarray technology as well as in glass coating,

### e-Surf activated Glass Slides

e-Surf Glass slides are designed to covalently immobilize amino-modified DNA and protein for microarrays applications.

Both sides of each glass slide are activated for immobilization.

Package is sealed under vacuum in aluminum bags containing silica gel



1x 5 activated glass slides

Product number : MA0110

Store desiccated at room temperature

offering exceptional clarity over the packaging of the activated glass slide



1 x 25 activated glass slides

Part n° : MA0100

Store desiccated at room temperature.

## e-Surf Nucleic Acids Spotting Kit

Product number : KIT0100

Single kit components can be ordered separately

### Kit content

#### e-Surf activated Glass Slides

4 x 4 activated glass slides

Product number : MA0110.

Store desiccated at room temperature

#### 2 x Print Buffer

For printing and coupling DNA Probes.

Product number : BUF0100

100 ml.

Store between 2-8 °C



#### 4 x Blocking Buffer

For blocking residual reactive groups after coupling process.

Product number : BUF0110

250 ml.

Store between 2-8 °C

#### 10% SDS

For washing slides after coupling and hybridization. To be diluted according to the instruction for use.

Product number : BUF0120

100 ml.

Store at room temperature

#### 20 x SSC

For washing slides after coupling and hybridization. To be diluted according to the instruction for use.

Product number : BUF0130

250 ml.

Store between 2-8 °C

**IFU** : Protocol for printing, binding, blocking and than hybridizing nucleic acids on e-Surf Glass Slides .

## e-Surf Peptides Spotting Kit

Product number : KIT0110

Single kit components can be ordered separately

### Kit content

#### e-Surf activated Glass Slides

4 x 4 activated glass slides

Product number : MA0110.

Store desiccated at room temperature

#### Print Buffer (Peptides)

For printing and coupling Peptides.

Product number : BUF0180

100 ml.

Store between 2-8 °C



#### 4 x Blocking Buffer

For blocking residual reactive groups after coupling process.

Product number : BUF0110

250 ml.

Store between 2-8 °C

#### Protein Binding Buffer

For dilution of specimen and conjugate.

Product number : BUF0160

100 ml.

Store between 2-8 °C

#### 10 x Wash Solution

For washing slides after coupling and reaction. To be diluted according to the instruction for use.

Product number : BUF0170

250 ml.

Store at room temperature

**IFU** : Protocol for printing, binding, blocking and than reacting peptides on e-Surf Glass Slides .