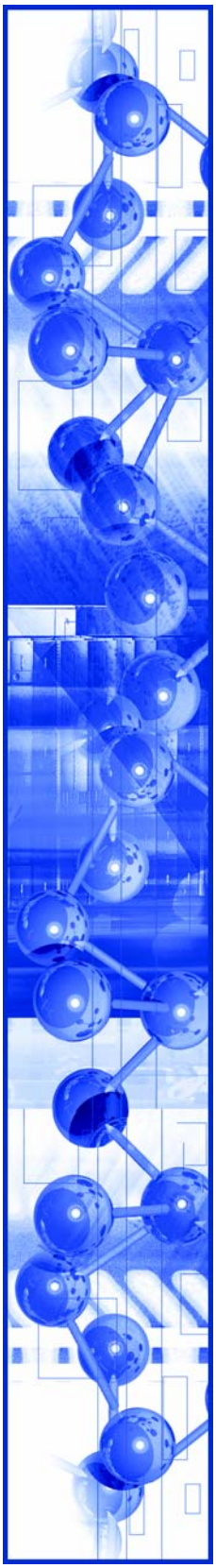

Fish Gelatin Blocking Buffer, 10% Solution

Code	Description	Size
M319-100ML	Fish Gelatin Blocking Buffer, 10% Solution, 10X	100 ml
M319-500ML		500 ml

General Information:

Fish Gelatin Blocking Buffer is a non-mammalian blocking solution that can maximize the signal-to-noise ratio in immunodetection procedures such as Western Blotting and ELISA assays. It improves detection sensitivity and specificity since fish gelatin, derived from the skin of cold water fish, does not cross-react with mammalian antibodies. Fish Gelatin Blocking Buffer can be used to block non-specific binding sites on positively charged nylon or PVDF membranes and in microtiter plates. In addition it is an excellent diluent for primary and secondary antibodies.

Storage/Stability:

Store Fish Gelatin Blocking Buffer at 4ºC. It should be brought to room temperature prio to use.

Application Disclaimer

For Research Use Only.
Not for Therapeutic or Diagnostic Use.

Protocol:

Reagents:

Fish Gelatin Blocking Buffer, 10% Solution

Required reagents not included:

- Buffer of choice, e.g. Tris Buffered Saline (TBS) or Phosphate Buffered Saline (PBS)
- Tween® 20 (Code: 0777) – optional

Note:

- Fish Gelatin Blocking Buffer, 10% Solution, should be brought to room temperature prior to dilution.
- The procedure outlined below is intended as a general guideline. All protocols should be optimized to individual specifications.
- 1% Fish Gelatin Blocking Buffer can replace blocking buffers containing 2.5%-5% Non-Fat Dry Milk.

Blocking nylon or PVDF membranes

1. Preparation of 1X blocking buffer:

   Fish Gelatin Blocking Buffer is supplied as a 10% solution. Dilute to a final concentration of 1% in buffers such as TBS or PBS. Detergents such as Tween® 20 may be added to a final concentration of 0.1%. Instructions for preparing 100 ml of 1X Fish Gelatin Blocking Buffer with 0.1% Tween® 20 are provided in the table below.

Reagent	Volume
1X PBS or TBS	89.9 ml
Fish Gelatin Blocking Buffer, 10% Solution	10.0 ml
TWEEN® 20	0.1 ml

2. Blocking membranes:

   Remove membrane from transfer apparatus and incubate in 1X Blocking Buffer for 30 to 60 minutes at room temperature with gentle agitation. Alternatively, membranes can be incubated overnight at 4ºC with gentle agitation.

3. Continue blot development according to specific protocols. Procedures may need to be optimized for use with Fish Gelatin Blocking Buffer.

Antibody Dilution

Both primary and secondary antibodies can be diluted in 1X Fish Gelatin Blocking Buffer. Generally, 1% Fish Gelatin can be substituted for non-fat powdered milk present at concentrations between 2.5% - 5.0%. Instructions for preparing 100 ml of 1X Fish Gelatin Blocking Buffer are provided in the table below.

Reagent	Volume
1X PBS or TBS	89.9 ml
Fish Gelatin Blocking Buffer, 10% Solution	10.0 ml
TWEEN® 20	0.1 ml

Blocking Microtiter Plates

1. Prepare 1X Fish Gelatin Blocking Buffer as directed in the table below.

Reagent	Volume
1X PBS or TBS	90.0 ml
Fish Gelatin Blocking Buffer, 10% Solution	10.0 ml

2. Incubate plates overnight at 2ºC-8ºC.
3. Continue assay according to specific protocol. Procedures may need to be optimized for use with Fish Gelatin Blocking Buffer.

Related Products

Code	Product
Buffers	
0788-2PK	20X TBS READY-PACK
J640-4L	TBS BUFFER, 20X LIQUID
M235-125G	TBS WITH TWEEN® 20, POWDER BLEND
K859-100TABS	TBS TABLETS
E404-200TABS	PBS TABLETS, 100 ML
0780-10L	PHOSPHATE BUFFERED SALINE (PBS)
E703-1L	PBS 20X PH 7.5
Detergents	
0777-1L	TWEEN® 20
Chemiluminescent Substrates	
N218-KIT	VisiGlo™ HRP Chemiluminescent Substrate
N219-KIT	VisiGlo PLUS™ HRP Chemiluminescent Substrate
N217-100ML	VisiGlo PLUS™ AP Chemiluminescent Substrate
N216-100ML	VisiGlo™ AP Chemiluminescent Substrate

211 Avenue J.F. Kennedy - BP 1140
03103 Montluçon cedex - France
Tél 33 (0)4 70 03 88 55 - Fax 33 (0)4 70 03 82 60
e-mail interchim@interchim.com - www.interchim.com