

IS0382 **Skim Milk Powder**

Color and Form: White to light yellow powder

Product Description: Dry milk can be used as a blocking solution that can minimize background noise in immunodetection procedures such as Western Blotting and immunostaining. Milk blocking buffer and be incubated with membranes or for dilution of antibodies during immunostaining procedures.

Protocol:

The protocol below is a general guideline for blocking method.
Some optimization may need to be required depending on the application.

Blocking Method for 100ml Blocking Solution (5%): Dissolve 2.5g TRIS and 6g NaCl in 1 L H₂O, add 0.5 ml TWEEN20. in 100ml of this stock solution disperse 5 g of skim milk powder. Incubate membranes (PVDF or NC) with blocking 'solution' for 1h at 20°C or overnight at 4°C.

2. Incubate membrane in 1X Blocking Buffer for 30 to 60 minutes at room temperature with gentle agitation, or incubate overnight at 4°C with gentle agitation. Blocking for immunostaining can also be performed similarly on cells or tissues.
3. Continue Western blotting or staining procedure according to desired protocol. Procedures may need to be optimized and should be determined empirically.

Storage: Store at room temperature and protect from moisture.

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Certificate of Analysis

Lot. 110220

CAS-Nr: [68514-61-4]
 HS-Nr. 0402 10 11
 EINECS 271-045-3

Tests	Method		Specifications			Analysis
Appearance Solubility Clarity of solution Coloration of sol.	Visual acc. to EP gen.ntc.pt.II: 1% in H ₂ O EP 2.2.2. Nephelometry EP 2.2.3. Gardner		Cream coloured Powder Very stable <10 NTU 3-6			conforms conforms conforms conforms
			min.	max.	unit	found
Protein Dry substance	EP 2.5.9. Kjeldahl (calculated from Loss on Drying)		34 96.0		% %	conforms conforms
Fat	EP 2.2.28.GC	GC		1.0	%	conforms
Carbohydrates	EP 2.2.29.HPLC	HPLC	46	56	%	conforms
Water	EP 2.5.12.KF	KF		4.0	%	conforms
pH	EP 2.2.3. 1% in H ₂ O (25°C)		6	7		conforms
Total ash	EP 2.4.16.		7.5	8.5		
Microbiological exam.	EP 2.6.12.		10000	CFU/g		conforms

Storage: Keep well closed at 4°C in a dark, dry, and odourless place.

Handling: Handle with professional care - avoid skin contact and inhalation of dust.

Safety Data: For laboratory use only. Not for human and animal consumption.

Our Skim Milk Powder is of EU origin.

The product complies with the requirements of ADPI (Bulletin 916). From high quality Skim Milk, spray dried under very gentle conditions in order to preserve all valuable ingredients. No additives present.

Guaranteed to come from milk of healthy cows, sourced from animals in the same conditions as milk collected for human consumption. The manufacturing of this material complies with the requirements of the current EMEA and is certified to be free of bovine spongiform encephalopathy (BSE)

For Research use only
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