

LECTIN & GLYCOANALYSIS NEWS

Lectin solubility

Unlabeled-lectin solubility

<Evaluation method>

A lectin was dissolved in buffer solution to 1 mg/ml, centrifuged in a tabletop centrifuge (Tibitan) for 2 minutes, and the presence of precipitates^{*1} was evaluated.

Catalog No.	Product name	Source <Scientific name>	Buffer Solution ^{*2}				
			PBS	Tris-HCl	Sodium phoshate	Potassium phosphate	Sodium citrate
M101-R	AAL	<i>Aleuria aurantia</i> (orange peel fungus)	-	-	-	-	-
M102	ABA	<i>Agaricus bisporus</i> (mushroom)	×	○	○	○	△
M103	Con A	<i>Canavalia ensiformis</i> (jack bean)	○	○	○	○	○
M104	DBA	<i>Dolichos biflorus</i>	○	○	○	○	○
M105	DSA	Datura stramonium	○	○	○	△	△
M106	ECA	<i>Erythrina cristagalli</i>	○	○	○	○	○
M107	LCA	<i>Lens culinaris</i>	×	○	○	×	×
M109	Lotus	<i>Lotus tetragonolobus</i>	○	○	○	○	○
M110	MAM	<i>Maackia amurensis</i>	○	○	○	○	○
M111	PHA-E ₄	<i>Phaseolus vulgaris</i> (kidney bean)	○	○	○	○	○
M112	PHA-L ₄	Phaseolus vulgaris (kidney bean)	○	○	○	○	○
M113	PHA-P	Phaseolus vulgaris (kidney bean)	○	○	○	○	○
M114	PNA	Arachis hypogaea (peanut)	○	○	○	○	○
M115	PSA	<i>Pisum sativum</i>	×	○	○	○	○
M116	PWM	<i>Phytolacca americana</i>	○	○	○	○	○
M117	SBA	<i>Glycine max</i> (soybean)	○	○	○	○	○
M118	SSA	Sambucus sieboldiana	○	○	○	○	○
M119	UEA- I	<i>Ulex europaeus</i>	○	○	○	○	○
M120	WGA	<i>Triticum vulgaris</i> (wheat germ)	×	○	○	○	○

*1 Indication of presence or absence of precipitate

○: No precipitation (soluble) △: Little precipitation (slightly soluble) ×: Increased precipitation (insoluble) -: (Unverified)

Biotin-labeled lectin solubility

<Evaluation method>

A lectin was dissolved in buffer solution to 1 mg/ml, centrifuged in a tabletop centrifuge (Tibitan) for 2 minutes, and the presence of precipitates^{*1} was evaluated.

Catalog No.	Product name	Source <Scientific name>	Buffer Solution ^{*2}				
			PBS	Tris-HCl	Sodium phoshate	Potassium phosphate	Sodium citrate
M201-R	AAL-biotin-R	<i>Aleuria aurantia</i> (orange peel fungus)	-	-	-	-	-
M202	ABA-biotin	<i>Agaricus bisporus</i> (mushroom)	○	○	○	○	○
M203	Con A-biotin	<i>Canavalia ensiformis</i> (jack bean)	○	○	○	○	○
M204	DBA-biotin	<i>Dolichos biflorus</i>	○	○	○	○	○
M205	DSA-biotin	<i>Datura stramonium</i>	○	○	○	○	○
M206	ECA-biotin	<i>Erythrina cristagalli</i>	○	○	○	○	○
M207	LCA-A-biotin	<i>Lens culinaris</i>	×	○	○	○	○
M209	Lotus-biotin	<i>Lotus tetragonolobus</i>	○	○	○	○	○
M210	MAM-biotin	<i>Maackia amurensis</i>	○	○	○	○	○
M211	PHA-E ₄ -biotin	<i>Maackia amurensis</i>	○	○	○	○	○
M212	PHA-L ₄ -biotin	<i>Phaseolus vulgaris</i> (kidney bean)	○	○	○	○	○
M214	PNA-biotin	<i>Arachis hypogaea</i> (peanut)	○	○	○	○	○
M217	SBA-biotin	<i>Glycine max</i> (soybean)	○	○	○	○	○
M218	SSA-biotin	<i>Sambucus sieboldiana</i>	○	○	○	○	○
M219	UEA- I -biotin	<i>Ulex europaeus</i>	○	○	○	○	○
M220	WGA-biotin	<i>Triticum vulgaris</i> (wheat germ)	×	○	○	○	○

*1 Indication of presence or absence of precipitate

○ : No precipitation (soluble) △ : Little precipitation (slightly soluble) × : Increased precipitation (insoluble) - : (Unverified)

*2 Buffer solution

PBS : Phosphate Buffered saline
 Tris-HCl : 10 mM Tris-HCl Buffer (pH 7.4)
 Sodium phoshate : 10mM Sodium phoshate (pH 7.4)
 Potassium phosphate : 10mM Potassium phosphate (pH 7.4)
 Sodium Citrate : 10mM Sodium citrate (pH 7.4)



COSMO BIO Co., LTD.

【JAPAN】

TOYO EKIMAE BLDG. 2-20, TOYO 2-CHOME,
 KOTO-KU. TOKYO 135-0016, JAPAN
 Phone: +81-3-5632-9610
 FAX: +81-3-5632-9619
 URL: <https://www.cosmobio.co.jp/>



COSMO BIO USA

【Outside Japan】

2792 Loker Ave West, Suite 101
 Carlsbad, CA 92010, USA
 e-mail: support@cosmobiousa.com
 Phone/FAX: (+1) 760-431-4600
 URL: www.cosmobiousa.com