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**LECTIN & GLYCOANALYSIS NEWS**


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**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<sup>\*1</sup> was evaluated.

Catalog No.	Product name	Source <Scientific name>	Buffer Solution* <sup>2</sup>				
			PBS	Tris-HCl	Sodium phosphate	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	<i>Datura stramonium</i>	○	○	○	△	△
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 <sub>4</sub>	<i>Phaseolus vulgaris</i> (kidney bean)	○	○	○	○	○
M112	PHA-L <sub>4</sub>	<i>Phaseolus vulgaris</i> (kidney bean)	○	○	○	○	○
M113	PHA-P	<i>Phaseolus vulgaris</i> (kidney bean)	○	○	○	○	○
M114	PNA	<i>Arachis hypogaea</i> (peanut)	○	○	○	○	○
M115	PSA	<i>Pisum sativum</i>	×	○	○	○	○
M116	PWM	<i>Phytolacca americana</i>	○	○	○	○	○
M117	SBA	<i>Glycine max</i> (soybean)	○	○	○	○	○
M118	SSA	<i>Sambucus sieboldiana</i>	○	○	○	○	○
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<sup>\*1</sup> was evaluated.

Catalog No.	Product name	Source <Scientific name>	Buffer Solution <sup>*2</sup>				
			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 <sub>4</sub> -biotin	<i>Maackia amurensis</i>	○	○	○	○	○
M212	PHA-L <sub>4</sub> -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)