

## Melamine, BSA-conjugate

DAG4476 chemosynthetic  
Lot. No. (See product label)

### PRODUCT INFORMATION

<b>Product overview</b>	Melamine, BSA-conjugate
<b>Description</b>	The melamine and BSA (bovine serum albumin) (10 mg each) are conjugated by EDC method in 0.1 M MES pH 5.0. One or more of the three amine groups in the melamine are directly linked to carboxyl group(s) in the BSA without any linker by EDC conjugation meth
<b>Species</b>	chemosynthetic
<b>Conjugate</b>	BSA
<b>Applications</b>	The melamine, BSA-conjugate has been shown to be recognized by melamine-specific antibodies by ELISA and lateral flow based immunoassay, respectively.
<b>Usage</b>	Used as capture antigen for the detection of anti-melamine antibodies and as immunogen for the generation of melamine antibodies.
<b>Notes</b>	for research use only

### PACKAGING

<b>Storage</b>	Keep below -20°C for up to 1 year. Avoid repeated freeze-and-thaw. For short term storage (< 3 weeks) keep at 4°C.
<b>Concentration</b>	2.0 mg/ml
<b>Buffer</b>	BSA(in 20 mM PBS, pH 7.4)

### BACKGROUND

<b>Introduction</b>	Melamine is an organic base and a trimer of cyanamide, with a 1,3,5-triazine skeleton. Like cyanamide, it contains 67% nitrogen by mass and, if mixed with resins, has fire retardant properties due to its release of nitrogen gas when burned or charred, and has several other industrial uses. Melamine is also a metabolite of cyromazine, a pesticide. It is formed in the body of mammals who have ingested cyromazine. It has been reported that cyromazine can also be converted to melamine in plants. Melamine combines with cyanuric acid and related compounds to form melamine cyanurate and related crystal structures, which have been implicated as contaminants or biomarkers in Chinese protein adulterations.
<b>Keywords</b>	Melamine, synthesis grade; Melamine 5g [108-78-1]; Melamine,2,4,6-Triamino-1,3,5-triazine, sym-Triaminotriazine; Melamine (250 mg) (2,4,6-Triamino-1,3,5-triazine); 1,3,5-Triazin-2,4,6-triaMine; Melamine (Micronised)

### REFERENCES

1. "Melamine. The American Heritage Dictionary of the English Language: Fourth Edition. 2000.". Retrieved 2008-09-28.
2. Bann B., Miller S.A. (1958). "Melamines and derivatives of melamine". Chemical Reviews 58: 131–172.