

# ABSOLUTE LECTINS

## 05-0118 / 05-1118 Phaseolus vulgaris lectin M (PHA-M)



### Benefits

- Two grades of purity; PHA-M pure and PHA-M crude
- Potent mitogen
- High erythroagglutinating activity

### Product description

PHA-M is the mucoprotein variant of phytohemagglutinin isolated from red kidney bean. It contains up to 20% carbohydrates in conjugation with the protein which presents two bands corresponding to about 35 kDa according to SDS-PAGE in presence of mercaptoethanol. It is a potent mitogen used to stimulate cell proliferation in lymphocyte cultures and also has a powerful erythroagglutinating activity.

### Applications

- Stimulation of cell proliferation in lymphocyte cultures
- Erythroagglutination

### Directions for use

The product is shipped at -20°C however for over-the-day transport it may be shipped at ambient temperature. The lyophilized powder is stable for more than five years from production date when stored below -20°C in darkness. After reconstitution with buffer, the solution may be stored frozen in working aliquots for up to 12 months in dark container.

### Tips and hints

Tips and hints Avoid repeated freezing and thawing.

### Ordering information

Article no.	Product name	Pack size
05-0118-25mg	<i>Phaseolus vulgaris lectin M crude</i>	25 mg
05-0118-1g	<i>Phaseolus vulgaris lectin M crude</i>	1 g
05-1118-25mg	<i>Phaseolus vulgaris lectin M pure</i>	25 mg
05-1118-1g	<i>Phaseolus vulgaris lectin M pure</i>	1 g

### Shipping and storage

Stable for at least 3 years from production date when stored below -20°C. May be shipped at ambient temperature. After reconstitution in PBS pH 7.4, the solution may be stored frozen in working aliquots for up to 12 months. Repeated freezing and thawing is not recommended. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use.

### Certifications

Medicago's laboratories and manufacturing site in Uppsala are ISO 9001:2015 certified. Each stage of the manufacturing process is controlled and monitored by stringent quality control procedures to guarantee the highest possible quality and lot-to-lot reproducibility.



### Specifications

### *Phaseolus vulgaris lectin M (PHA-M) (05-0118 / 05-1118)*

Appearance	White to cream white lyophilized powder or flocculate
Source	Red kidney beans
Molecular weight	35 kDa
Microorganisms	≤ 100 CFU/g
Shelf life	≥ Three years when stored at -20°C