



Certificate of Analysis

(Please read carefully)

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Phycomyces blakesleeanus Antigen

Article No.: AEM 5800	Lot No./ Charge: (see product label)	Quantity: 1 mg / 1 mg/ml
The zygomycete fungus <i>Phycomyces blakesleeanus</i> has been investigated for the variety and sensitivity of its responses to light, particularly the phototropism of its giant fruiting bodies, the sporangiophores. <i>Phycomyces</i> has also served as a model for research on the regulation of the biosynthesis of the pigment beta-carotene in fungi. The production of beta-carotene from natural sources, including fungi, is being developed as a safe alternative to the use of chemically synthesized pigments by the food industry.		
Alternative term	American Type Culture Collection (ATCC)	
Source	DSMZ - German Collection of Microorganisms and Cell Cultures	
Raw materials	matures conidiospores, conidia and mycelium	
Condition of delivery	lyophilisate, white to gray	
Color	white to yellowish	
Texture	powdery to resinous, depending on the batch	
Additives	sodium azide, Stabilizer, PBS-EDTA	
Date of manufacture	December 2015	
Date of expire	December 2025 (frozen storage)	
Molecular weight estimation	SDS-PAGE (BioRad)	

Risk of infection: this antigen belongs to the biohazards group 1. This product should be handled with care. No responsibility on the part of the manufacturer for any infection or contamination.

Thermal inactivation.

Application: this product is only for Research and Development. It must not be used as a remedy and not as an in vivo application. Foam or bubble development should be avoided. Any unused stock solution must then be divided into aliquots and frozen at -20°C. Repeated freezing and thawing is not recommended because of significant reduced antigen activity.

Protein content: Determined for each new batch by using the Bradford assay.

Molecular binding sites: Examined and documented by SDS-PAGE and Experion (BioRad).

Storage: Keep container tightly closed and store at temperatures of at least -20°C.

Bochum, November 2019

approved

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