e:info@equl.com q:390113670

2017/18 PRODUCT CATALOGUE

FUSARIUM SP

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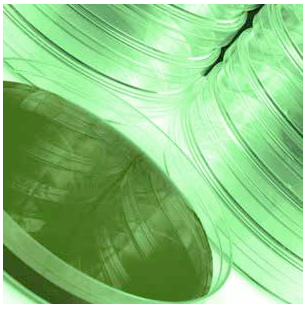
Potato Dextrose



Potato Dextrose Agar (PDA) and Potato Dextrose Broth (PDB) are excellent media for the detection of Fusaria species.

The medium is made of Glucose and Potato Extract and eventually supplemented with Agar.

Potato Extract is a mixture of potato proteins, manufactured by controlled enzymatic hydrolysis. The extract is an excellent nitrogen source for Fusarium species and many other fungi, yeasts and prokaryotes and contains vitamins and minerals as well.

In order to inhibit bacterial growth the medium may be acidified to pH 3.5 by adding tartaric acid, lactic acid or some other organic acid. The medium must not be heated after the addition of the acid, this will result in the hydrolysis of the Agar and destroy its gelling properties.

For technical data please see table below.

Physical chemical characteristics	
Solubility in water at 1 %	Complete
PH (1 % solution)	6.7-7.3
Loss on drying	< 6%
Total nitrogen TN	9.5 -10.5
?-amino nitrogen AN	5.0 - 5.8 %
AN/TN x 100	51 - 57
Residue on ignition	< 25.0 %
Chloride (as NaCl)	< 20.0 %

Molecular weight distribution g/100 g	
>10000 daltons	0.3
1000 - 10000 daltons	8.0
500 - 1000 daltons	17.7
300 - 500 daltons	18.7
< 300 daltons	55.3

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PDA, POTATO DEXTROSE AGAR

SKU	Size
PDA0101	100g
PDA0102	1000g
PDA0103	5000g

Formula	g/l
Glucose	20
Potato extract	4
Agar	17

Suspend 41 gram powdered medium in 1 litre distilled water

Store dry at room temperature

GHS07 Skin & Eye Irritation

PDA, POTATO DEXTROSE BROTH

SKU	Size
PDB0101	100g
PDB0102	1000g
PDB0103	5000g

Formula	g/l
Glucose	20
Potato extract	4

Suspend 24 gram powdered medium in 1 litre distilled water

Store dry at room temperature

GHS07 Skin & Eye Irritation