

Product Information

04686 & 28401 Antifoam Test Kit 1 & 2

Application:

Many biotechnologists and microbiologists are confronted with the question of what is the best antifoam for their fermentation. This Kit helps one to find the best antifoam for the specific fermentation process. There are so many different choices of antifoams like polyethylene and polypropylene glycols, silicon based polymers and mixtures of them. Antifoams have a high surface activity at the interface between air and liquid phase, has non-stabilizing characteristics, it accumulate at the interface and modifies the surface tension. As result, stabilizing substances, such as foam, are displaced from the air liquid interface. That means less troubles during the fermentation, no plugged outlet filter!

Product Description:**04686 Antifoam Test Kit 1**

65280	1-Methoxy-2-propanol	69794	Mineral Oil
118311	2-Decanol	76235	Paraffin Oil
56742	Imbentin-AGS/35, 25% in water	95369	Paraffin wax
49960	1-Oleoyl-rac-glycerol	83450	Rapeseed oil
93773	Tween® 20	16001	Brij(R) 30
93780	TWEEN® 80	03853	Nonylphenyl-polyethylene glycol
93970	Ucon® HTF 14	74432	Nonylphenyl-polyethylenglykol-acetat
10794	Antifoam A, Emulsion	09303	O-(2-Aminopropyl)-O'-(2-methoxyethyl)polypropylene glycol 500 (Jeffamine M-600®)
91975	Mineral Oil Type A	76293	Polyethylene glycol 1'000 Solution
78473	Mineral Oil Type B	84184	Polyethylene glycol 10'000 Solution

28401 Antifoam Test Kit 2

77026	Polyethylene glycol 150 dimethyl ether	90364	Polyethylene glycol 5'000 monomethyl ether Solution
73034	Polyethylene glycol 1500 Solution	71578	Polyethylene glycol 550 monomethyl ether Solution
88440	Polyethylene glycol 200	81370	Polypropylene glycol P 1'200
87006	Polyethylene glycol 20'000 Solution	81380	Polypropylene glycol P 2'000
83272	Polyethylene glycol 3'350 Solution	81350	Polypropylene glycol P 400
81313	Polyethylene glycol 500 dimethyl ether	85390	Silicone Antifoam, Emulsion, 30% in water
87333	Polyethylene glycol 600	85412	Silicone oil DC 200
81304	Polyethylene glycol 6'000 Solution	85427	Silicone oil DC 710
83271	Polyethylene glycol 8'000 Solution	90440	Triethylene glycol monobutyl ether
83918	Polyethylene glycol 2'000 monomethyl ether Solution	90420	Triethylene glycol dimethyl ether

Quantity: 10 ml of each antifoam

Tips:

Usual concentrations are in the range of 0.005-0.02%!

Attention:

- Antifoams, which are silicon based, are known to cause membrane fouling due to gel layer formation and/or adherence to membrane surfaces.
- May the addition of antifoam inhibit growth of organism.