

Al-Saqur, A. Effects of anti-fungal agents on growth of *Neurospora*.

*Conidia*,  $> 10 \times 10^6$ , of the colonial temperature-sensitive strain cot-1 (C102t) were added to 100 ml flasks containing 30 ml of liquid Vogel's medium supplemented with one of a variety of anti-fungal drugs. These cultures, together with control cultures containing no anti-fungal agent, were incubated at 25°C, initially in a rotary shaker for 30 hours and subsequently as static cultures for up to nine days. Mycelia were harvested at 30 hours and at 9 days, dried at 60°C and weighed. Results are shown as per cent inhibition of dry weight caused by the drugs, as compared with the weights obtained from the control cultures. - - - Department of Genetics, University of Aberdeen, Scotland.

TABLE

Compound	Per cent inhibition at 30 hours	Drug concentration	Per cent inhibition at 9 days	Drug concentration
Acridine Orange	100	5	100	25
Actinomycin D	73	5	--	--
Bacitracin	55	500	--	--
Barbitone	0	500	15	500
Basic Fuchsin	100	10	98	20
Benzalkonium chloride	100	0.5	100	2
Caffeine	97	2 mg/ml	86	2 mg/ml
Cetylpyridinium chloride	100	0.5	100	0.5
Cetyltrimethyl ammonium bromide	100	0.5	100	1
Chloramphenicol	--	--	42	3 mg/ml
Chloral hydrate	--	--	20	500
Chloroquine	56	500	16	500
Crystal violet	100	10	100	10
Cycloserine	95	100	--	--
Dequalinium chloride	100	0.5	99.6	2
Dimethyl sulphate	100	500	100	500
EDTA	--	--	97	3 mg/ml
Emetine	0	500	0	500
Erythromycin	0	1 mg/ml	9	3 mg/ml
Ethidium bromide	100	45	98	100
B-Ethoxy caffeine	--	--	100	500
Gentamycin	36	500	--	--
Gramicidin J	100	0.5	100	3.5
8-Hydroxyquinoline	100	0.5	100	0.5
4-Hydroxyquinoline	86	500	--	--
Hydroxyurea	40	500	31	500
Iodoacetate	91	500	0	500
Malachite green	100	5	100	5
Mepacrine sulphate	100	0.5	100	0.5
Neomycin sulphate	35	500	0	500
Nystatin	100	0.5	100	1
Polymyxin B sulphate	100	25	100	175
Polypropylene glycol 425	0	500	0	500
Propylene glycol	70	3 %	34	5 %
Quinacrine HCl	92	500	22	500
Rifampicin	0	1 mg/ml	0	1 mg/ml
Sodium Azide	100	0.5	98	0.5
Triton	0	500	0	5 mg/ml
Trypan blue	14	500	0	500
Tyrocidine HCl	--	--	100	4.5

Unless otherwise stated all concentrations are in micrograms per ml.