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🌐 Testing selective agents for the Ichthyosporeans *Abeoforma whisleri*, *Pirum gemata* and *Spaheroforma artica*

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 We use this protocol and it's working

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ABSTRACT

Minimal protocol for testing selective agents for *Abeoforma whisleri*, *Sphaeroforma arctica*, *Pirum gemmata*

MATERIALS

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☒ Benomyl **Contributed by users**

☒ Phleomycin **Contributed by users**

☒ 100 mg Nourseothricin Sulfate **G-Biosciences Catalog #RC-188**

☒ 1 g Puromycin Dihydrochloride **G-Biosciences Catalog #RC-270**

☒ Marine Broth 2216 **BD Biosciences Catalog #279110**

Carboxin, Fluorotic Acid

- 1 Seed cells on 24 well/plate. Density depends on the organism but should allow to screen for growth and death easily
 Seed the same density to test four or five different dilutions of each drug
 Seed enough wells to have 3X replicates for each condition
 Seeded cells for *Abeoforma whisleri*, *Pirum gemmata* and *Spaheroforma artica* 100 cells/well 500 microliters of medium.
- 2 Add to each well the corresponding amount of drug. Following the amounts tested in our case for *Abeoforma whisleri*, *Pirum gemmata*, *Sphaeroforma arctica*

N o u r s e o t h r i c i n	1 0- 5 0 μ g r / m l
P h l e o m y c i n	1 0- 3 0 0 μ g r / m l
F l u o r o t i c A c i d	2 5 0- 3 0 0 μ g r / m l
B e n o m y l C a r b o x i n e P u r o m y c i n	1- 2 0 μ g r / m l 2 0- 3 0 0 μ g r / m l 1 0 0- 5 0 0 μ g r / m l

- 3

Spin down cells every 24 hours and refresh media with new antibiotic.

Observe for up to a week.

If effects on growth are suspected repeat experiment with the appropriate concentration of drug and count cells every 24 hours.
- 4

Summary of our results

<i>Abbe or mawhsleri</i>	Nourseeot hr ic in	10-500 μgr/ml (not sensitive)
	Phleomycin	10-30000 μgr/ml (not sensitive)
	Fluorotic Acid	250-300 μgr/ml (not sensitive)

		1-200 (500) μ g/ml
	Benomyl Carbendazim Propiconazole	1-200-3000 μ g/ml (cytostatic)
	<i>Pirumate</i> Nourseothricin	10-50 μ g/ml (not sensitive)
	Phenoxymycin	10-300 μ g/ml

		Fluorotic Acid	250-300 µgr/ml (not sensitive)
		Benzomyl Carboline Promycin	1-200 µgr/ml 20-300 µgr/ml 100-500 µgr/ml (cytostatic)

<i>Sphaeroformarctica</i>	Noursethrin	10-50 µgr/ml (not sensitive)
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	P h l e o m y c i n	10-300 µgr/ml
	F l u o r o t i c A c i d	250-30 µgr/ml (not sensitive)
	B e n o m y l	1-20 µgr/ml (cytostatic)
	C a r b o x i n e	20-300 µgr/ml
	P u r o m y c i n	100-500 µgr/ml (cytostatic)