

Environmental Conditions Chart

Stage	Substage	Temp	Light	Water Type	Nutrient Additions	Maintenance
Settled Spores	First 14 days	50–54°F 10–12°C	Dark 0umol	Sterilized and pasteurized	F/2 1mL/1L	Scrape on day 14
	Days 15-28	50–54°F 10–12°C	Red 10umol	Sterilized and pasteurized	F/2 1mL/1L	Water change on day 28 and monthly after
Gametophyte (active growth)	Days 28	50–54°F 10–12°C	Red 10umol	Sterilized and pasteurized	F/2 1mL/1L	Water change monthly
Gametophyte (back up culture)	Back up culture	48–52°F 9–11°C	Red 5umol	Sterilized and pasteurized	F/2 1mL/1L	Water change every four months
	Active culture	50–54°F 10–12°C	Red 10umol	Sterilized and pasteurized	F/2 1mL/1L	Water change monthly and grind as needed
Introduction	First 24-48 hours	50–54°F 10–12°C	Dark 0umol	Sterilized and pasteurized	F/2 1mL/1L	n/a
	Days 3-21	50–54°F 10–12°C	White 10umol	Sterilized and pasteurized	F/2 1mL/1L	Refresh nutrients on day 14

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Spools	First 24 hours	50–54°F 10–12°C	Dark 0umol	Sterilized	F/2 1mL/10L 2x per day	n/a
	Days 2-3	50–54°F 10–12°C	White 20umol	Sterilized	F/2 1mL/10L 2x per day	Refresh water 100% daily
	Days 4-5	50–54°F 10–12°C	White 40umol	Sterilized	F/2 1mL/10L 2x per day	Refresh water 100% daily
	Days 6-7	48–52°F 9–11°C	White 60umol	Sterilized	F/2 1mL/10L 2x per day	Refresh water 100% daily
	Days 8-19	50–54°F 10–12°C	White 80umol	Sterilized	F/2 1mL/10L 2x per day	Refresh water 100% daily
	Days 15-21	50–54°F 10–12°C	White 100umol	Sterilized	F/2 1mL/10L 2x per day	Refresh water 75% daily
	Days 22-28	50–54°F 10–12°C	White 120umol	Sterilized	F/2 1mL/10L 1x per day	Refresh water 50% daily
	Slow growth	50–54°F 10–12°C	White 40umol	Sterilized	F/2 1mL/50L as needed	Refresh water 10% as needed