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Malt Extract Broth and agarized concentrated

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We use this protocol and it's working

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Abstract

Recipe and protocol for Concentrated Malt Extract Broth medium preparation. An optional step for Agarization is provided.

Materials

Malt extract (technical grade) 30 g/L
Glucose (technical grade) 10 g/L
Tryptone/Peptone powder (technical grade) 5 g/L
Yeast extract (technical grade) 3 g/L

Agar (optional) 15 g/L

Milli Q or Tap water to volume 1L.

1 Take note of the position of YourFavouriteIngredients and take them from the reagent-room.

2 Weight ingredients:
Malt extract (technical grade) 30 g/L
Glucose (technical grade) 10 g/L
Tryptone/Peptone powder (technical grade) 5 g/L
Yeast extract (technical grade) 3 g/L

Agar (optional step) 15 g/L

Milli Q or Tap water to volume 1L.

3 Add all the solid ingredients to a plastic or glass becker, along with 600-700mL of water to dissolve the ingredients.
In this step is facultative to measure Water with a cilinder.
Its facultative to add autoclavable components (vitamins, antibiotics etc.)

4 Agarization step facultative

Add 15 g/L Agar microbiology grade along with 100mL of water to "dissolve" the agar. It will settle to the bottom due to low solubilization below 50°C, it will be mixed during autoclaving step.

5 Finalise your mixture

Make up to final 1L volume with remaining water and further mix.

6 Autoclave it!

Pour the content into a Duran/Pyrex bottle to autoclave the mixture.

Do **not fill the whole bottle**, leave some headspace (1/4 of total volume HS).
Do **not seal the bottle**, leave the top half-round open.
Remember to place **autoclave-tape** over your bottles.
Autoclave setting: 121°C for 15min, 15psi/1bar