8 - Nitrogen-free semisolid medium (BAz)

Components	Concentration (g/L)
Azelaic acid	2
K_2HPO_4	0.4
KH_2PO_4	0.4
$MgSO_4 \cdot 7H_2O$	0.2
$CaCl_2$ (stock solution)	0.02
$Na_2MoO_4 \cdot H_2O$ (stock solution)	0.002
$FeCl_3$ (stock solution)	0.01
Bromothymol blue (stock solution)	0.075
Agar	2.3

PROCEDURE:

Prepare the following stock solutions in distilled H_2O:

- $CaCl_2$ 2%
- Na_2MoO_4 . H_2O 0.2%
- Bromothymol blue 5g/L (store at room temperature)
- $FeCl_3$ 1%

Autoclave at 121 °C for 20 min $CaCl_2$, $Na_2MoO_4 \cdot H_2O$ and $FeCl_3$.

Dissolve azelaic acid, K_2HPO_4, KH_2PO_4, $MgSO_4 \cdot 7H_2O$ in the appropriate volume of distilled H_2O, taking into account the volume of other components, prepared as stock solutions, that must be added after sterilization. Before sterilization, adjust the pH to 5.7 with KOH, then autoclave at 121 °C for 20 min. After sterilization, add $CaCl_2$, $Na_2MoO_4 \cdot H_2O$, $FeCl_3$ and filter-sterilized bromothymol blue stock solutions.