

# KB media recipe

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## Ingredients

To add	Grams/L
glycerol	10.0 g
peptone	20.0 g
$K_2HPO_4$	1.5g
30% sterile $MgSO_4 \cdot 7H_2O$ solution	5 mL
Agar	0 g (media), 12 g (hard agar), 3.5 g (soft agar)

- Final pH should be 7.2 +/- 0.2 (@ 25 °C)

## Method

- Take a 1 L duran bottle and put in the glycerol, peptone and potassium hydrogen phosphate. Each ingredient should be weighed out on the scales using a weighing boat
- For KB media, add no agar. For soft agar, add around 3.5 g of agar and for hard agar, add 12 g of agar to the duran bottle
- Add 500 mL of distilled water and dissolve the ingredients using the magnetic heat plate after putting a magnetic stirrer into the bottle
- Add the remaining 500 mL of distilled water and continue to stir the media
- When dissolved, take out the magnetic stirrer
- Label the duran and autoclave
- Prior to use, add the 5 mL of 30% sterile  $MgSO_4 \cdot 7H_2O$  solution. This solution is made by adding 30 g of  $MgSO_4 \cdot 7H_2O$  to 100 mL of distilled water and autoclaving
- After mixing the magnesium sulphate solution into the KB agar, your media is ready to use and plates to be poured