# 11b: MRS MEDIUM (pre-reduced)

This recipe contains strain-specific modifications for *Bifidobacterium sp.* DSM 29110 *

Final pH: 6.2 - 6.5
Final volume: 1000 ml

| | | |
|---|---|---|
| Casein peptone (tryptic digest) | 10.00 | g |
| Meat extract | 10.00 | g |
| Yeast extract | 5.00 | g |
| ~~Glucose~~ | ~~20.00~~ | ~~g~~ |
| Tween 80 | 1.00 | g |
| Resazurin | 1.00 | mg |
| $K_2HPO_4$ | 2.00 | g |
| Na-acetate | 5.00 | g |
| $(NH_4)_3$ citrate | 2.00 | g |
| $MgSO_4$ x 7 $H_2O$ | 0.20 | g |
| $MnSO_4$ x $H_2O$ | 0.05 | g |
| Distilled water | 1000.00 | ml |
| L-Cysteine HCl x $H_2O$ | 0.50 | g |
| Fructose | 20.00 | g/l |

Cysteine is added after the medium has been boiled and cooled under $CO_2$. Adjust pH to 6.2 - 6.5, distribute under $N_2$ and autoclave.

* Replace glucose by fructose (2%); anaerobic

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