APPENDIX

Appendix

1. Potato Dextrose Agar

Components	Quantity
Potato infusion	200 g
Dextrose	20 g
Agar	15 g
Distilled water??	1000 ml
pH	5.6

2. **Fermentation Basal medium**

Components	Quantity
Yeast Extract	4.5 g
Peptone	7.5 g
Distilled water	1000 ml
Bromothymol blue	4 ml stock solution per 100 ml of 100 ml of fermentation basal medium

Stock solution

Bromothymol blue	50 mg/75 ml distilled water

3. **Amylase Activity medium**

Components	Quantity
Peptone	5 g
Soluble starch	5 g
Yeast extract	5 g

MgSO4.7H2O	0.5 g
FeSO4.7H2O	0.01 g
NaCl	0.01 g
Agar	15 g
Distilled water	1000 ml

4. Lugols iodine solution

Iodine	0.1%
Potassium iodide	1%

5. Christensen urea agar

Composition	Quantity
Peptic digest of animal tissue	1 g
Dextrose	1 g
Sodium chloride	5 g
Disodium phosphate	1.2 g
Monopotassium phosphate	0.8 g
Phenol red	0.012 g
Agar	15 g
Distilled water	1000 ml
pH	6.8

Suspend 24.01 grams in 950 ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 10 lbs pressure (115°C) for 20 minutes. Cool to

50°C and aseptically add 50 ml of sterile 40% Urea Solution (FD048) and mix well. Dispense into sterile tubes and allow to set in the slanting position. Do not overheat or reheat the medium as urea decomposes very easily.

6. 0.1% Congo red solution

Composition	Quantity
Congo red	0.1 g
Distilled water	100 ml

7. Aesculin agar

Composition	Quantity
Aesculin	1 g
Ferric ammonium citrate	0.5 g
Peptone	5 g
Yeast extract	1 g
Distilled water	1000 ml
pH	5.0

Before pouring the plates, 2 ml of filter sterilized 1% ammonium ferric citrate solution was added to the above 100 ml medium.

8. Brain Heart Infusion (BHI) broth/agar

Components	Quantity
Brain Heart, Infusion from solids	8 g

Peptic digest of animal tissue	5 g
Pancreatic digest of casein	16 g
Sodium chloride	5 g
Glucose	2 g
Disodium hydrogen phosphate	2.5 g
Agar*	15 g
Distilled water	1000 ml
pH	7.4±0.2

*For preparation of BHI agar

PUBLICATIONS

Poster Presentation

Prabhu Khorjuvenkar, S.N., Doijad, S.P., Poharkar, K., Raorane, A. and Barbuddhe, S.B. (2013) Identification and characterization of yeast isolated from naturally fermented cashew apple juice in Goa. Poster presented at 54th Annual Conference of Association of Microbiologists of India (AMI), Rohtak.