



# Clinical Laboratory Department POLICY AND PROCEDURE

POLICY NUMBER: 1191  
VERSION: 3

## **SUBJECT: Maintenance and Storage of Stock Cultures**

1. Lyophilized QC organisms are purchased as needed from commercial sources. Follow instructions in product insert for rehydrating lyophilized organisms.
2. Frozen stock cultures – make one set of frozen stock cultures at the beginning of the calendar year.
  - Subculture from original source to appropriate media to check purity and viability.
  - Use 24-48 hour growth (log phase growth) to heavily inoculate TSB with 15% glycerol.
  - Freeze at -20°C or colder.
  - Stable for at least year.
3. Monthly, subculture to appropriate plated media from the frozen stock culture to check for purity and viability, then subculture to cooked meat or chopped meat broth. After overnight incubation at 37°C these subcultures are kept at room temperature for 1 month. Fastidious organisms, #21, #31 are to be kept viable by passing to chocolate plates on a daily basis.
4. Working stock organisms are subcultured from the cooked meat or chopped meat stocks to BAP once a week (Mondays). On Wednesday and Friday, they are passed to fresh BAP.
5. Subculture #53 (*C.albicans*) and #66 (*C.tropicalis*), #78 (*C.krusei*), and #82 (*C.glabrata*) to SabDex media weekly, from previous week's stock culture. Do not sub to cooked or chopped meat broth.
6. Organisms which are not routinely subbed to plated media are to be subcultured from the frozen stock culture to appropriate plate media for 24 to 72 hour growth (depending on the organism) before being used to verify the quality of test procedures.
7. Anaerobes: Sub to BAP plate (incubated anaerobically) and keep alive by subculturing from plate to plate once a week.

Reference: NCCLS (CLSI) Document M22-T, Vol 7 No 5

<b>POLICY NO:</b> 1191	<b>SUBJECT:</b> Maintenance and Storage of Stock Cultures Maintenance and Storage of Stock Cultures	<b>Page 2 of 2</b>
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<b>Approved By:</b> Brian Yee (PHYS SPEC PATHOLOGY)	
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<b>Reviewed:</b> 04/09/2017	<b>Next Review Date:</b> 04/09/2018
<b>Revised:</b>	8/18/95, 11/21/00CW update, 2/19/02RW fastidious orgs, 2/28/02JH, yeast subs, 4/15/04DB, HDHS, 6/23/04RW, yeast sub freq, 3/19/08LG, reformat, update orgs, label print., 5/17/10-removed unused organisms 5/31/12JH, removed Monday in bullet 4, added BAP (incubated anaerobically, removed CBC ana in bullet 7, 12/30/14jh removed references to labels 3/21/17jh change in approver to Dr. Yee
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