

SNAP TRIAL BACTERIAL ISOLATE GUIDANCE DOCUMENT

VERSION 1.0, DATED 10 OCTOBER 2023

Regions participating in the *Staphylococcus aureus* Network Adaptive Platform (SNAP) trial will be asked to store the index *S. aureus* isolate. This document provides guidance on how these isolates might be shared and the purposes of their use. Formal Material Transfer Agreements (MTA) between institutes may also be necessary.

About SNAP

SNAP is an international adaptive platform trial aiming to improve the outcomes of adults and children with *S. aureus* blood stream infection.

Regional storage

Each region will arrange for local and then central storage of index blood culture isolates collected from each trial participant. Isolates will be shipped to the global coordinating centre (University of Melbourne) where they will be stored in the SNAP trial biobank.

OWNERSHIP

Each region retains ownership of the bacterial isolates. If isolates are shared with other parties, an MTA should cover the rights and responsibilities of the sending and receiving parties. In general, the sending parties will be informed of assays, substudies and analysis requested to be conducted on SNAP isolates, and the sending parties will be appropriately recognised in publications arising from any subsequent research. Isolates should only be shared with third parties with the prior knowledge and consent of the sending and receiving parties.

The SNAP Microbiology Working Group and the SNAP Global Trial Steering Committee will be key groups for information dissemination and discussion. It is expected that each region will have representation on these groups.

Each regional management team will be informed of any requests to use their isolates, and each region will be given the opportunity to reject the use of their isolates for that purpose.

SCOPE OF WORK WITH THE BACTERIAL ISOLATES

The types of assays that may be performed are indicated below. The list is not meant to be exhaustive.

Assays that may be conducted on the bacterial isolates will include:

- Standard antimicrobial susceptibility testing
- Whole genome sequencing

More specialised phenotyping that may be performed include:

- Reference and research antimicrobial susceptibility testing (e.g., cefazolin inoculum effect)
- Cytotoxicity assays

Other substudy works that are approved of by the Global Trial Steering Committee and Microbiology Working Group

These assays may be performed at multiple laboratories and efforts should be made to harmonise methods to allow inter-laboratory comparisons.

DATA SHARING

In general, we foster a culture of open sharing of data and results in the SNAP community. Data generated from SNAP related isolates should be made available to regional sponsors (the original custodians of the isolates) on reasonable request. This includes data relating to raw and curated whole genome sequence reads.

SNAP collaborators may propose sub-studies that make use of data generated from SNAP involved laboratories (i.e., not restricted to their own region or own laboratory). These sub-studies will be assessed and prioritised by the Global Trial Steering Committee as per guidance for SNAP sub-studies. Those who have generated the data should be willing to share their data on reasonable request and with assurance of involvement in outputs and publications arising.

APPLICATION

The collection of *Staphylococcus aureus* isolates linked to clinical trial data are an incredibly valuable resource. We hope that these resources may be accessed by the SNAP and broader *S. aureus* research community to address clinical and biological questions.

The accompanying application form will be reviewed by the SNAP Trial Steering Committee and the SNAP Microbiology Working Group and Regional Steering Committees. Material transfer agreements (MTAs) and data sharing agreements may need to be finalized prior to sharing of isolates and associated data. Depending on where isolates are stored, there may need to be MTAs with the primary regional custodian(s) of the isolates.

For further information and submission of your application, please email Vi Nguyen, SNAP Biobank Coordinator (vi.nguyen2@unimelb.edu.au) and the SNAP Trial Management Team (snap-trial@unimelb.edu.au)

APPENDIX 1: RECORD OF CHANGES

VERSION NUMBER	DATE	SECTIONS AFFECTED	SUMMARY OF CHANGES	AUTHOR INITIALS
1.0	10-Oct-23	-	-	VN