ICU – Order Antimicrobials in ICU

Digital Health
CONNECTING BEST CARE

Digital Health Quick Reference Guide

This Quick Reference Guide will explain how to:

Order Antimicrobials in ICU for ICU Medical Officers. Please note:

- **Restricted** antimicrobials have an *automatic* initial ID approval of 72 hours. To continue therapy beyond this, the order must be <u>modified</u> to include the 3 ID approval fields. Examples include tazocin, ceftriaxone, meropenem.

- **Highly Restricted** antimicrobials have 3 ID Approval mandatory fields which are all required at first point of order.

Ordering Restricted Antimicrobials

1. Automatically approved for **first 72 hours of use.**

2. Only **AMS indication** is required at first point of order: Select from dropdown. If none applicable, select 'Other; See indication' and free-text in **Indication** field.

   The 3 other ID fields are present but not mandatory.

3. **At 72 hours** after the first dose date/time (i.e. automatic approval has expired), administration is blocked and this icon will appear against the order and on the MAR.

4. If therapy is expected to continue beyond 72 hours, <u>**MODIFY the Approval Number and ID Approval Expiry fields**</u> to avoid expiry at an inconvenient time.

   To EXTEND the approval beyond 72 hours: Locate the order in **Orders and Referrals**, right-click and <u>**Modify**</u> the order and complete the other 3 relevant ID fields. (*Note: these fields do not highlight yellow upon modifying*)

   - **Infectious Disease Medical Officer Consulted:** Select "ICU/NICU Streamlined"

   - **Approval Number:** Enter the generic code in this format:
     ICU - Current Date/Month - Number of days till the expected/targeted completion date <u>OR</u> the next closest ICU-ID meeting review date
     E.g. **ICU-2706-05** (2706 refers to today's date 27 June, 05 refers to number of treatment days till 02/07/2023)

   - **ID Approval Expiry (7:30 AM):** Select the day <u>**AFTER**</u> the expected/target completion date OR next ICU-ID review date (as administration is blocked after 7:30 AM on the day)
     E.g. **03/07/2023** (provided target completion date is 02/07/2023)

> **(!)** **ID Approval Expiry (7:30 am): Select the day AFTER the expected/target completion date or next ICU-ID meeting review date (as administration is blocked after 7.30am on the day)**

> **(!)** **Important – If Restricted Antimicrobials are anticipated to be continued beyond 72 hours, please Modify and update the order <u>before</u> the 72-hour mark expires.**
>
> Not updating the ID approval number and expiry will risk the order being automatically rejected/ blocked by the system. This will result in nurses not being able to give the antimicrobial and potential delay in administration.

Ordering Highly Restricted Antimicrobials

1. Yellow mandatory fields are required to be completed at the first point of order. Similar to the requirements for restricted antimicrobials above:

*AMS Indication:	[▾]
*Infectious Diseases Medical Officer Consulted:	[▾]
*Approval Number:	[ ]
*ID Approval Expiry (7:30 AM):	[**/**/****] [▴▾][▾]

   - **AMS Indication:** Select from dropdown list.
   - **Infectious Disease Medical Officer Consulted:** Select "ICU/NICU Streamlined"

   - **Approval Number:** Enter the generic ICU approval code in this format:
     ICU – Today's Date/Month – Number of days till the expected/targeted completion date <u>OR</u> the next closest ICU-ID meeting review date
     E.g. **ICU-2706-05** (2706 refers to today's date 27 June, 05 refers to number of treatment days till 02/07/2023)

   - **ID Approval Expiry (7:30 AM):** Select the day <u>AFTER</u> the expected/target completion date OR next ICU-ID review date (as administration is blocked after 7:30 AM on the day).
     E.g. **03/07/2023** (provided target completion date is 02/07/2023)

2. After the approval has expired, this icon [icon] will appear against the order and on the MAR – and administration is automatically blocked.

3. **To EXTEND the approval**, locate the order in **Orders and Referrals**, right-click and **<u>Modify</u>** the order with an updated approval number and ID approval expiry.

** If the antimicrobial needs to be continued on transfer to the ward:

- Please review the antimicrobial order in **Orders and Referrals** - Right-click and Modify order to view ID fields.
- Ensure the ID fields are appropriate before transfer to the ward, including Approval Number & ID Approval Expiry.

> **💡 Handy Hint – Stop Date/Time**
>
> You can enter the Stop Date/Time within the antimicrobial order as another safeguard, if this is known:
>
> | | |
> |---|---|
> | *First Dose Date / Time: | 27/06/2023 10:00 AEST [▾] |
> | Stop Date/Time: | [**/**/****] [▴▾][▾] [   ][▴▾] AEST |