Streptomycin (injection)

**Indication**
Multi-drug resistant Mycobacterium tuberculosis

**ATC codes:**
- J01GA01
- EMLc

**Inn**
Streptomycin

**Medicine type**
Gas

**Antibiotic groups**
- WATCH

**List type**
Complementary (EML) (EMLc)

**Formulations**
Parenteral > General injections > IV: 1 g powder for injection (as sulfate) as vial

**EML status history**
- First added in 1977 (TRS 615)
- Changed in 1979 (TRS 641)
- Changed in 2007 (TRS 950)
- Changed in 2009 (TRS 958)
- Changed in 2013 (TRS 985)
- Changed in 2017 (TRS 1006)

**Sex**
All

**Age**
Also recommended for children

**Therapeutic alternatives**
The recommendation is for this specific medicine

**Patent information**
Patents have expired in most jurisdictions
Read more about patents.

**Wikipedia**
Streptomycin (injection)

**DrugBank**
Streptomycin

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**Expert Committee recommendation**
The Expert Committee recommended the deletion of streptomycin powder for injection from the core list of the EML as a first-line antituberculosis treatment option, noting the advice from the WHO TB department that it is no longer recommended as first-line treatment. The Committee noted that streptomycin remains in the Complementary List of the EML and EMLc for second-line use in multidrug-resistant (MDR-TB) tuberculosis.

**Background**
Streptomycin is currently included in the core list of the EML under Section 6.2.4 for first-line treatment of tuberculosis. It is also included in the Complementary List of the EML and EMLc as a reserve second-line drug for MDR-TB.

**Public health relevance**
Not provided

**Benefits**
In February 2017, the WHO Guidelines Review Committee approved the new WHO Guidelines for the treatment of drug-susceptible tuberculosis and patient care, 2017 update (in press at that time). The updated guidelines no longer recommend the use of streptomycin as a component of first-line antituberculosis therapy but reserve its use as a potential option in second-line treatment.
Harms

Not provided

Additional evidence

N/A

Cost / cost effectiveness

N/A

WHO guidelines

Refer to the summary for deletion of ofloxacin for recommendations regarding the use of streptomycin in MDR-TB and rifampicin-resistant (RR-TB) disease in current WHO guidelines.

Availability

N/A

Other considerations

The current listing of streptomycin on the Complementary List of the EML and EMLc as a reserve second-line drug for treatment of MDR-TB will be retained.

Implementation considerations

N/A