

### Lentocilin S 1200

- Health Canada has authorized the use of Lentocilin S 1200 as a temporary substitute for syphilis treatment in response to the national shortage of Bicillin L-A.
- Lentocilin 1200 S provides the same medication and strength of 1.2 M IU of benzathine penicillin as Bicillin L-A.



### Substitute Treatment for Syphilis

Brand Name	Medication	Route	Strength	One Dose	Form
Lentocilin S 1200	Benzathine benzylpenicillin tetrahydrate	IM	1 200 000 IU / 4 mL	2 400 000 IU / 8 mL (Use 2 vials)	White Powder

### Vial Selection

- Lentocilin S powder comes in a clear glass vial with 1.5% lidocaine hydrochloride diluent in an amber glass ampule.

Vial	Diluent Volume for Reconstitution	Dose volume for a 2 400 000 IU dose
Use 2 vials	4 mL diluent into each vial	Draw up entire volume from each vial

### Reconstitution of Lentocilin S 1200

- Draw up lidocaine with an 18-gauge **filtered needle** in a syringe. Dispose the 18 -gauge filtered needle tip.
- Attach an 18-gauge **blunt** needle tip to the syringe.
- Inject lidocaine onto the side of the vial. **Do not** inject directly into the powder.
- Remove needle and syringe from vial and rotate the vial tightly between the hands for 60 seconds.
- Withdraw all contents** using same 18-gauge blunt needle and syringe. Dispose of the 18-gauge blunt needle tip.
- Attach an 18-gauge **safety** needle to the syringe for administration.
  - A wider-bore needle allows consistent flow of the thick solution, reducing force required to inject.
- Once medication is reconstituted and drawn up, administer entire contents **immediately**.

### Intramuscular Administration

- Lentocilin S 1200 will have **2 vials** for a total dose of 2 400 000 I.U.
- Administer as **deep intramuscular** (IM) injections to either dorsogluteal or ventrogluteal sites.
- Avoid** the deltoid. The deltoid is **not** considered a deep IM site and maximum volume is only 2mL.
- Aspirate** before injecting the suspension to avoid intravenous, intraarterial and blood vessels. Observe for blood entering the syringe.
- The injection(s) can be made with Z-track technique and a **slow constant flow** rate to prevent needle blockage.

### Stability, Storage and Reporting side effects

- Store and transport at ambient temperature of 8 to 25°C. DO NOT freeze.
- Protect from light and moisture.
- Report any case of serious or unexpected side effect(s) to: [Side Effect Reporting Form - Canada.ca](https://www.canada.ca/en/health-canada/services/drugs-drugs/side-effect-reporting-form.html)



### Allergy Alerts

- Lentocilin contains penicillin, therefore assess for allergy and consult de-labelling tool ([First Line App](#)).
- Lentocilin contains lecithin (soy phospholipid) therefore assess for a soyabean allergy.
- Diluent contains lidocaine hydrochloride, assess for allergy to local anesthetics of amide type.



### Additional Resources

Lentocilin S 1200, refer to: [Portuguese Lentocilin Product](#)

