# MIDAZOLAM

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| **PRESENTATION:** | Ampoules containing 10mg in 2ml of midazolam (5mg/ml) |
| **INDICATION:** | Sedation  Treatment of status epilepticus |
| **DOSE AND ADMINISTRATION:** | **ICU STANDARD INFUSION**  **Single strength**  Dilute 60mg (12ml) of midazolam to 60ml of glucose 5%  **Double strength**  Dilute 120mg (24ml) of midazolam to 60ml of glucose 5%  *Sedation*: Initially 2-5mg/hour titrated to the required level.  BNF recommended dose of 0.03-0.2mg/kg/hr  *Status epilepticus*: Maintenance infusion 0.05-0.4mg/kg/hr.  i.e. for 70kg patient 3.5- 28mg/hr.  Use double strength midazolam**.**  **Bolus doses**  Sedation bolus doses of 500micrograms to 2 mg may be given.  Bolus doses are generally given via the infusion pump. If the patient is not prescribed a continuous infusion prepare as below:  Dilute the 10mg/2ml to 10ml with sodium chloride 0.9% or glucose 5% to obtain a 1mg/ml solution. |
| **CONCENTRATION:** | **Single strength** :1mg/ml  **Double strength**:2mg/ml |
| **STABILITY:** | Physically and chemically stable for 24 hours at room temperature.  Also stable in sodium chloride 0.9%. |

**References:**

1. Summary of Product Characteristics, Midazolam 5mg/ml solution for injection/infusion, .Hameln pharmaceuticals ltd, [https://www.medicines.org.uk/emc/product/6418/smpc updated 17/07/23](https://www.medicines.org.uk/emc/product/6418/smpc%20updated%2017/07/23), accessed 08/08/24
2. Injectable Medicines Guide accessed online at [www.injguide.nhs.uk](http://www.injguide.nhs.uk) on 08/08/24
3. NHS Lothian Critical Care Guideline of Treatment of status epilepticus, reviewed August 2024.