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## Desflurane

Revised: October 31, 2018.

CASRN: 57041-67-5

# **Drug Levels and Effects**

## **Summary of Use during Lactation**

There is no published experience with desflurane during breastfeeding. Because the serum half-life of desflurane in the mother is short and the drug is not expected to be absorbed by the infant, no waiting period or discarding of milk is required. Breastfeeding can be resumed as soon as the mother has recovered sufficiently from general anesthesia to nurse.[1] When a combination of anesthetic agents is used for a procedure, follow the recommendations for the most problematic medication used during the procedure. In one study, breastfeeding before general anesthesia induction reduced requirements of sevoflurane and propofol compared to those of nursing mothers whose breastfeeding was withheld or nonnursing women.[2] It is possible that requirements for other anesthetic agents would be affected similarly.

**Disclaimer:** Information presented in this database is not meant as a substitute for professional judgment. You should consult your healthcare provider for breastfeeding advice related to your particular situation. The U.S. government does not warrant or assume any liability or responsibility for the accuracy or completeness of the information on this Site .

#### **Drug Levels**

The serum half-life of desflurane is less than 3 minutes, so extensive passage into milk is unlikely.

Maternal Levels. Relevant published information was not found as of the revision date.

*Infant Levels.* Relevant published information was not found as of the revision date.

#### **Effects in Breastfed Infants**

Relevant published information was not found as of the revision date.

#### **Effects on Lactation and Breastmilk**

Relevant published information was not found as of the revision date.

### **Alternate Drugs to Consider**

Enflurane, Isoflurane, Sevoflurane

#### References

- 1. Dalal PG, Bosak J, Berlin C. Safety of the breast-feeding infant after maternal anesthesia. Paediatr Anaesth. 2014;24:359-71. PubMed PMID: 24372776.
- 2. Bhaskara B, Dayananda VP, Kannan S et al. Effect of breastfeeding on haemodynamics and consumption of propofol and sevoflurane: A state entropy guided comparative study. Indian J Anaesth. 2016;60:180-6. PubMed PMID: 27053781.

## **Substance Identification**

#### **Substance Name**

Desflurane

#### **CAS Registry Number**

57041-67-5

# **Drug Class**

**Breast Feeding** 

Lactation

Anesthetics, Inhalation