

Salmeterol (Serevent Diskus®)

This sheet is about exposure to salmeterol in pregnancy and while breastfeeding. This information is based on available published literature. It should not take the place of medical care and advice from your healthcare provider.

What is salmeterol?

Salmeterol is a medication that has been used to treat asthma and chronic obstructive pulmonary disease (COPD). It is in a class of medications called beta2-agonists. Beta2-agonists help to open the airways in the lungs (bronchodilators). Salmeterol is a long-acting beta2-agonist taken by breathing it into the lungs (inhalation). It is used together with an inhaled corticosteroid to treat asthma. For information on inhaled corticosteroids, see the MotherToBaby fact sheet at <https://mothertobaby.org/fact-sheets/inhaled-corticosteroids-icss-pregnancy/>.

Sometimes when women find out they are pregnant, they think about changing how they take their medication, or stopping their medication altogether. However, it is important to talk with your healthcare providers before making any changes to how you take your medication. Your healthcare providers can talk with you about the benefits of treating your condition and the risks of untreated illness during pregnancy.

I take salmeterol. Can it make it harder for me to get pregnant?

It is not known if salmeterol can make it harder to get pregnant.

Does taking salmeterol increase the chance of miscarriage?

Miscarriage is common and can occur in any pregnancy for many different reasons. Studies have not been done to see if salmeterol could increase the chance of miscarriage. There are no reports that suggest an increased chance of miscarriage when salmeterol is used during pregnancy.

Does taking salmeterol increase the chance of birth defects?

Every pregnancy starts out with a 3-5% chance of having a birth defect. This is called the background risk. A small number of studies do not suggest an increased chance of birth defects with the use of inhaled salmeterol during pregnancy. When salmeterol is inhaled, very little of the drug gets into the blood. Even less of the medication is expected to reach the developing fetus.

Does taking salmeterol in pregnancy increase the chance of other pregnancy-related problems?

Small studies have not suggested higher rates of preterm delivery (birth before week 37) or low birth weight (weighing less than 5 pounds, 8 ounces [2500 grams] at birth) with the use of salmeterol during pregnancy. Asthma that is not well controlled can increase the chance of pregnancy complications. For information on asthma, see the MotherToBaby fact sheet at <https://mothertobaby.org/fact-sheets/asthma-and-pregnancy/>.

Does taking salmeterol in pregnancy affect future behavior or learning for the child?

Studies have not been done to see if salmeterol can cause behavior or learning issues for the child. There are no reports of an increased chance of future behavior or learning problems in people who were exposed to salmeterol during pregnancy.

Breastfeeding while taking salmeterol:

Studies have not been done to look at the use of salmeterol during breastfeeding. When salmeterol is inhaled, very little of the drug gets into the blood and it is not expected to pass into breastmilk in large amounts. Using inhaled bronchodilators is usually compatible with breastfeeding. Be sure to talk to your healthcare provider about all your breastfeeding questions.

If a man takes salmeterol, could it affect fertility or increase the chance of birth defects?

Studies have not been done to see if salmeterol could affect a man's fertility (ability to get a woman pregnant) or increase the chance of birth defects above the background risk. When salmeterol is inhaled, very little of the drug gets into the blood, so effects on fertility or pregnancy are not expected. In general, exposures that men have are unlikely

to increase risks to a pregnancy. For more information, please see the MotherToBaby fact sheet Paternal Exposures at <https://mothertobaby.org/fact-sheets/paternal-exposures-pregnancy/>.

MotherToBaby is currently conducting a study looking at asthma and the medications used to treat asthma in pregnancy. If you are interested in taking part in this study, please call 1-877-311-8972 or sign up at <https://mothertobaby.org/join-study>.

Please click [here](#) to view references.

Questions? Call 866.626.6847 | Text 855.999.3525 | Email or Chat at MotherToBaby.org.

Disclaimer: MotherToBaby Fact Sheets are meant for general information purposes and should not replace the advice of your health care provider. MotherToBaby is a service of the non-profit Organization of Teratology Information Specialists (OTIS). Copyright by OTIS, October 1, 2023.