



Pregnanediol Glucuronide (PdG) [BSA] (DAG3098)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Pregnanediol Glucuronide, BSA-Conjugated
Species	N/A
Conjugate	BSA
Applications	ELISA, Lateral Flow
Format	Liquid
Size	1 mg
Buffer	10 mM Phosphate Buffered Saline, pH 7.2
Preservative	0.01% Sodium Azide
Storage	2-8°C short term, -20°C long term

BACKGROUND

Introduction	<p>urinary pregnanediol-3-glucuronide (PdG), a progesterone metabolite, using commercial reagents and examined the changes in the urinary concentration of PdG in a female giant panda. Pregnanediol is an inactive product that forms when the body breaks down the hormone progesterone. A test can be done to measure the amount of pregnanediol in urine. The urine test offers an indirect way to measure progesterone levels in the body. A glucuronide, also known as glucuronoside, is any substance produced by linking glucuronic acid to another substance via a glycosidic bond. The glucuronides belong to the glycosides. Glucuronidation, the conversion of chemical compounds to glucuronides, is a method that animals use to assist in the excretion of toxic substances, drugs or other substances that cannot be used as an energy</p>
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source. Glucuronic acid is attached via a glycosidic bond to the substance, and the resulting glucuronide, which has a much higher water solubility than the original substance, is eventually excreted by the kidneys.

Keywords

Pregnanediol-3-glucuronide Pregnanediol-3 α -glucuronide; pregnanediol-3 α -glucuronide ; 5 β -Pregnane-3 α ,20 α -diol-3 α -glucuronide; (3 α ,5 β ,20S)-20-Hydroxypregnan-3-yl β -D-glucopyranosiduronic acid; 20 α -Hydroxy-5 β -pregna
