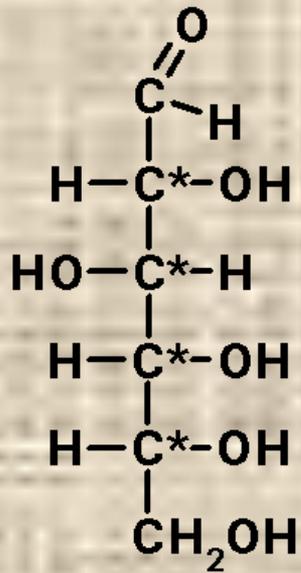


Запорожский государственный медицинский университет  
Кафедра фармацевтической химии

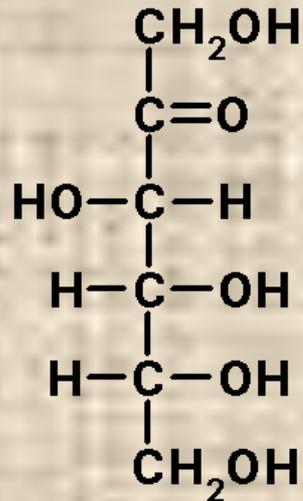
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*Лекция на тему:*

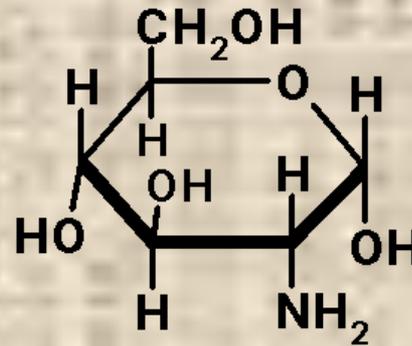
**УГЛЕВОДЫ КАК ЛЕКАРСТВЕННЫЕ ВЕЩЕСТВА:  
АНАЛИЗ, ПРИМЕНЕНИЕ И ХРАНЕНИЕ.**



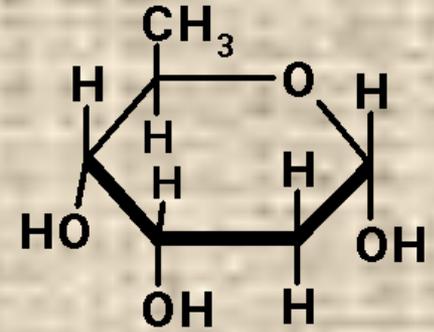
Альдогексоза  
Глюкоза



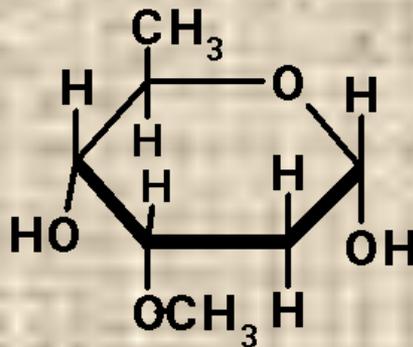
Кетогексоза  
Фруктоза



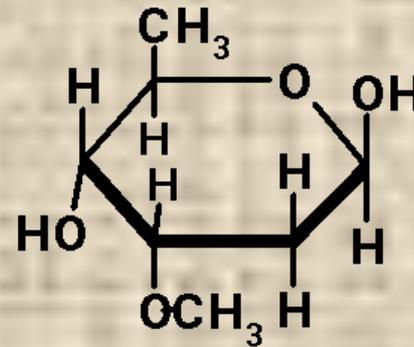
2-Аминоглюкоза



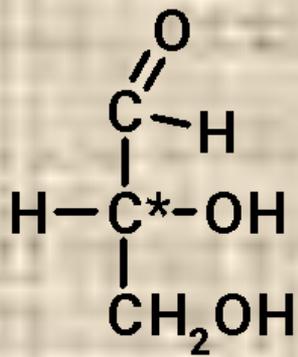
Дигитоксоза



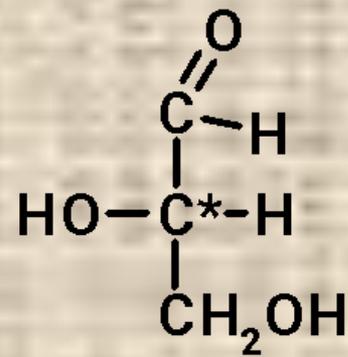
Циммароза



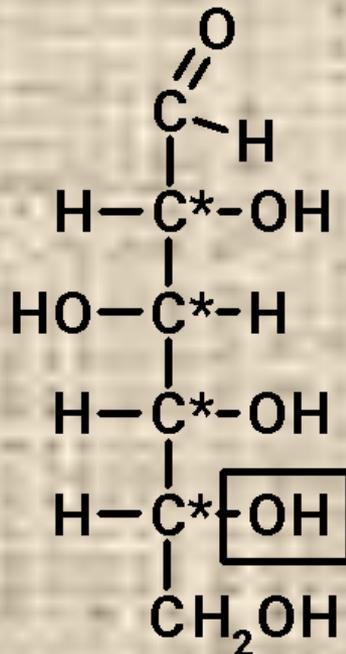
Олеандроза



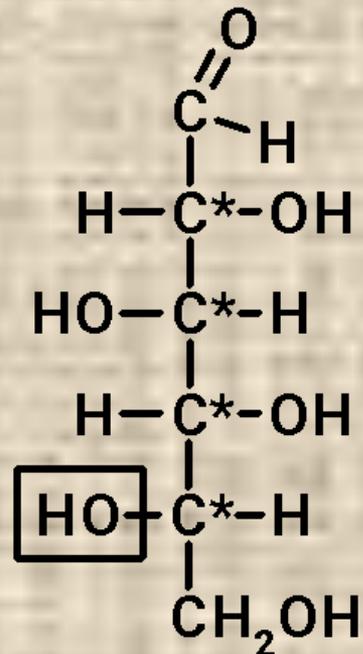
D-глицериновый альдегид



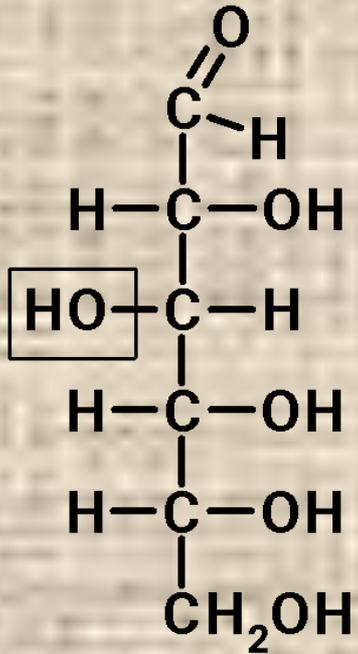
L-глицериновый альдегид



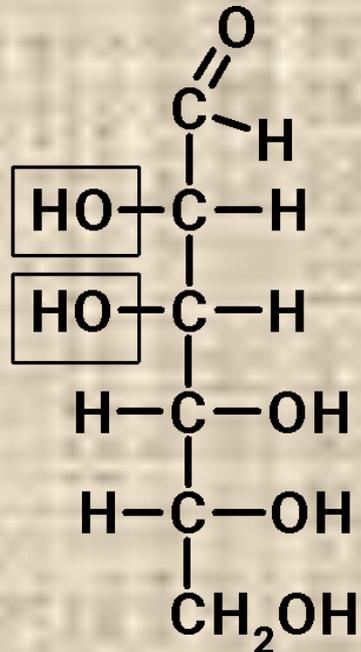
D-Глюкоза



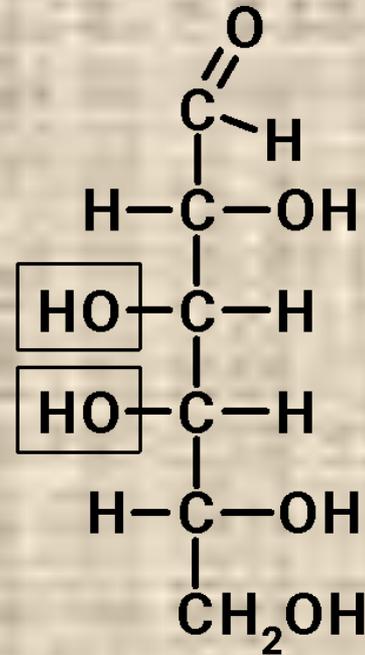
L-Глюкоза



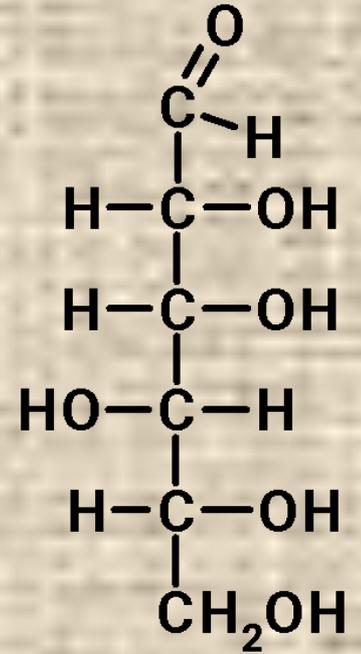
D-Глюкоза



D-Манноза



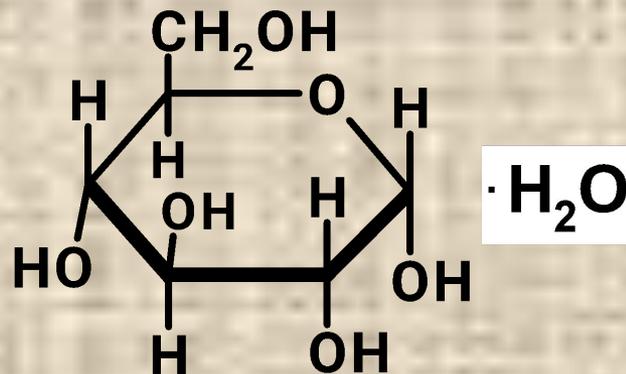
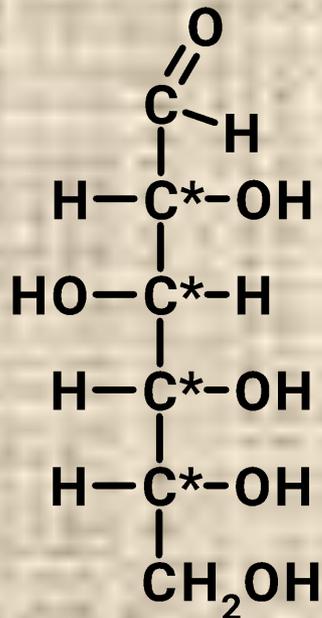
D-Галактоза



D-Гулоза

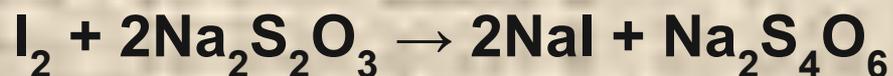
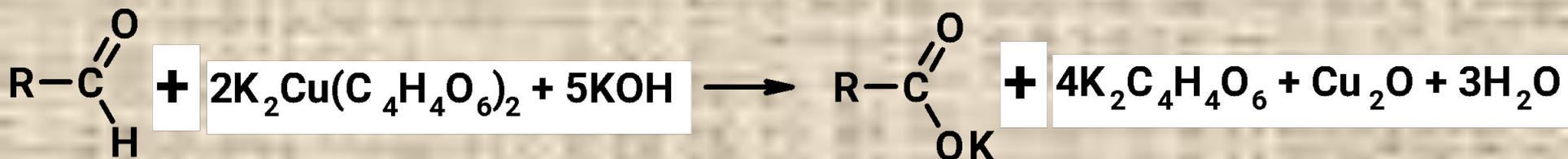
# Glucosum monohydricum

*Glucosum anhydricum Glucosae Anhydrous*



$\alpha$ -D(+)-глюкопираноза  
 $\alpha$ -D(+)-альдогексоза

4). Йодометрия по замещению:



$$F=1/2$$

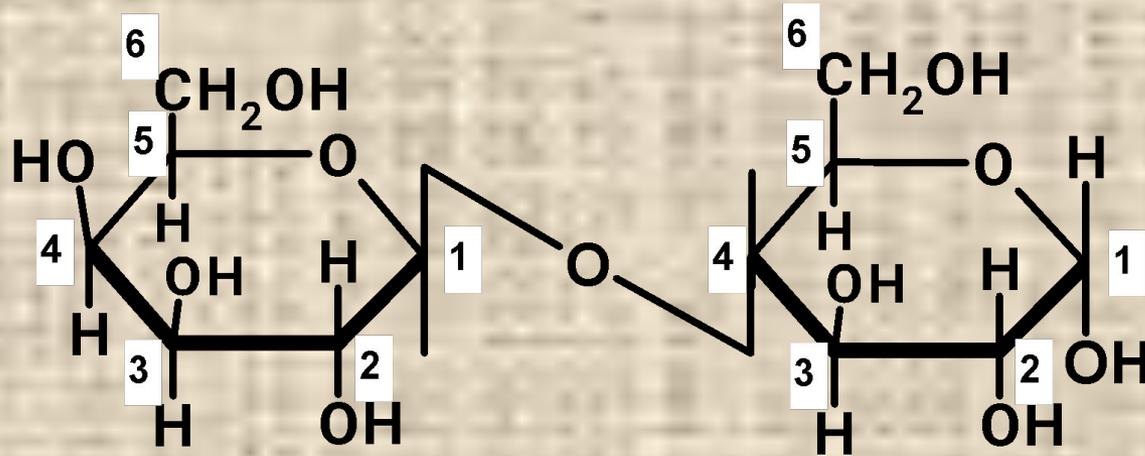
Контрольный опыт

5). Перманганатометрия с йодометрическим окончанием;

6). ГЖХ; ТСХ.

# Лактоза - *Saccharum lactis* молочный сахар

16

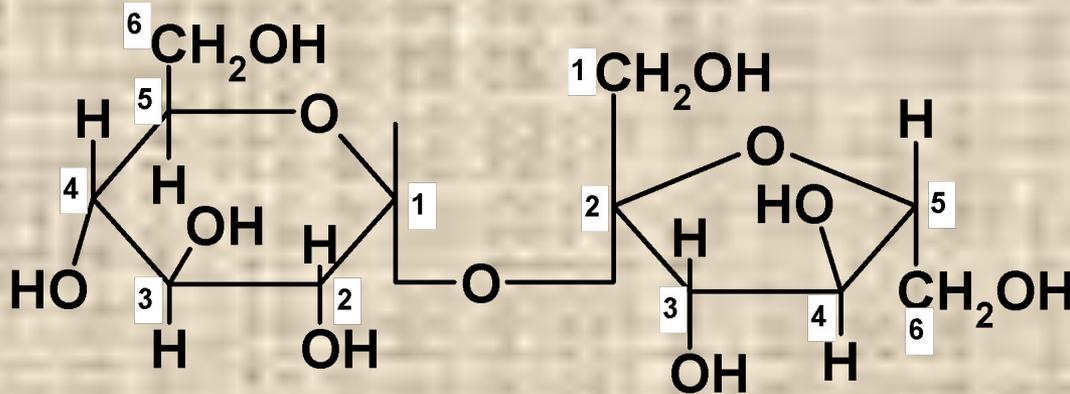


$\beta$ -D-галактопираноза

$\alpha$ -D-глюкопираноза

4-( $\beta$ -D-галактопиранозидо)- $\alpha$ -D-глюкопираноза

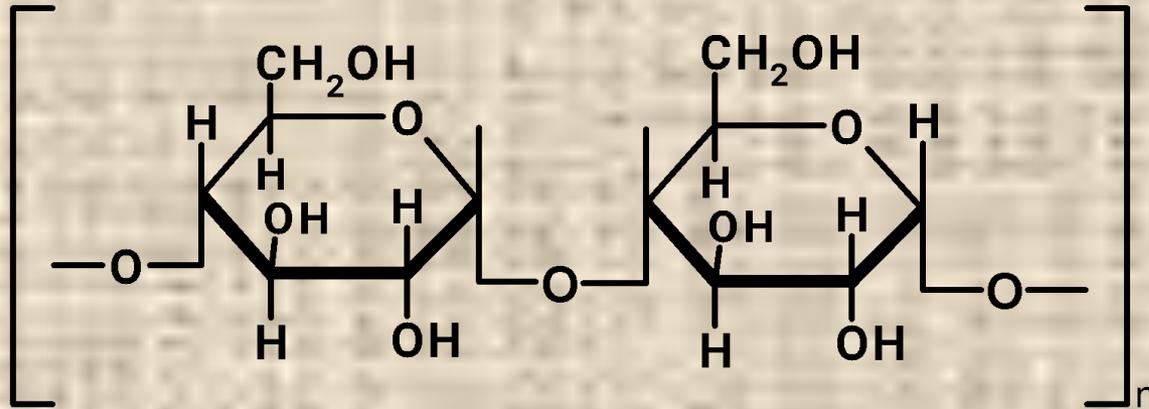
# Сахароза – Saccharum сахар



**2- $\alpha$ -D-глюкопиранозидо- $\beta$ -D-фруктофуранозид  
или  
 $\alpha$ -D-глюкопиранозил(1 $\rightarrow$ 2)-O-  $\beta$ -D-фруктофуранозид**

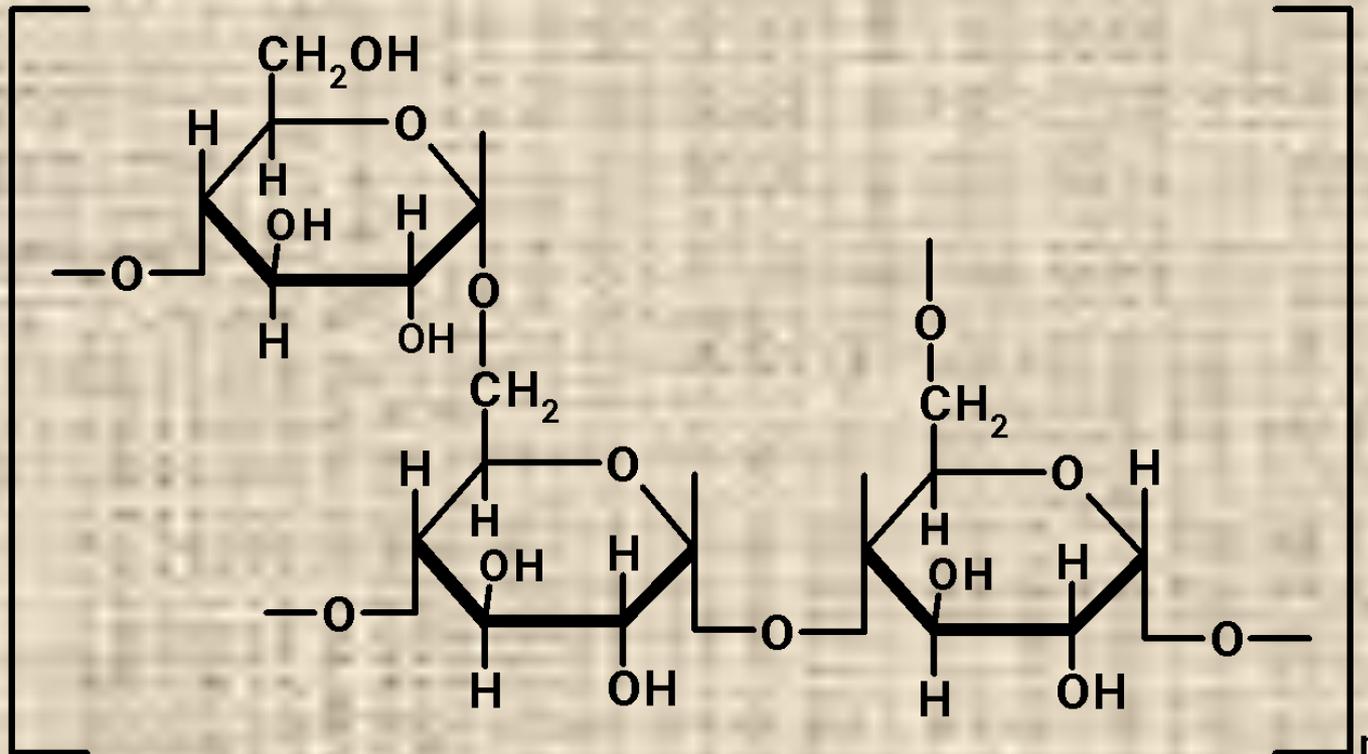
# Крахмал - Amylum

18



$n=50-3000$

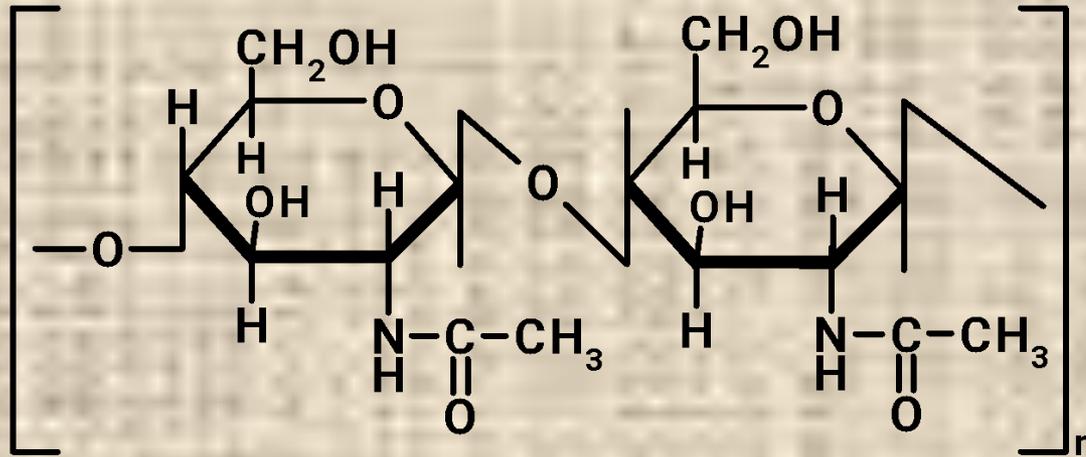
Амилоза



$n=3000-4000$

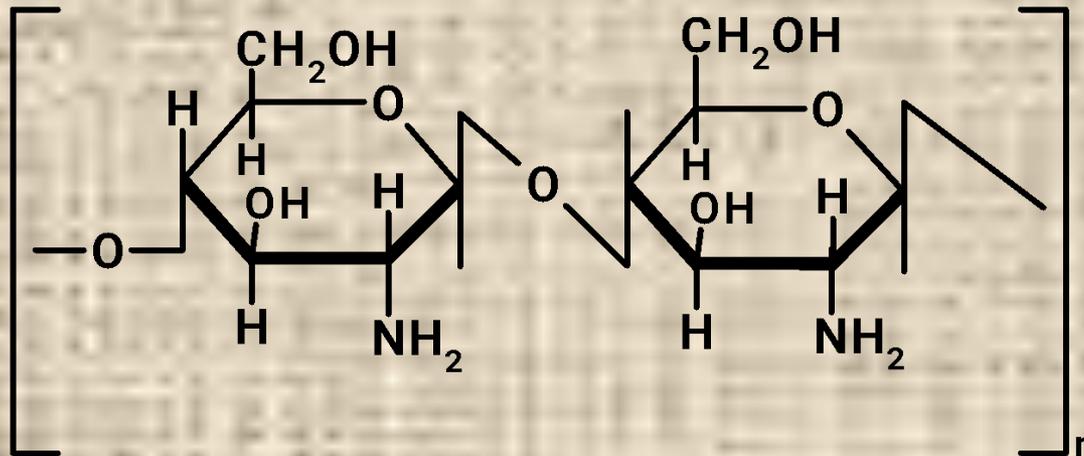
Амилопектин

## Хитин



n=5000

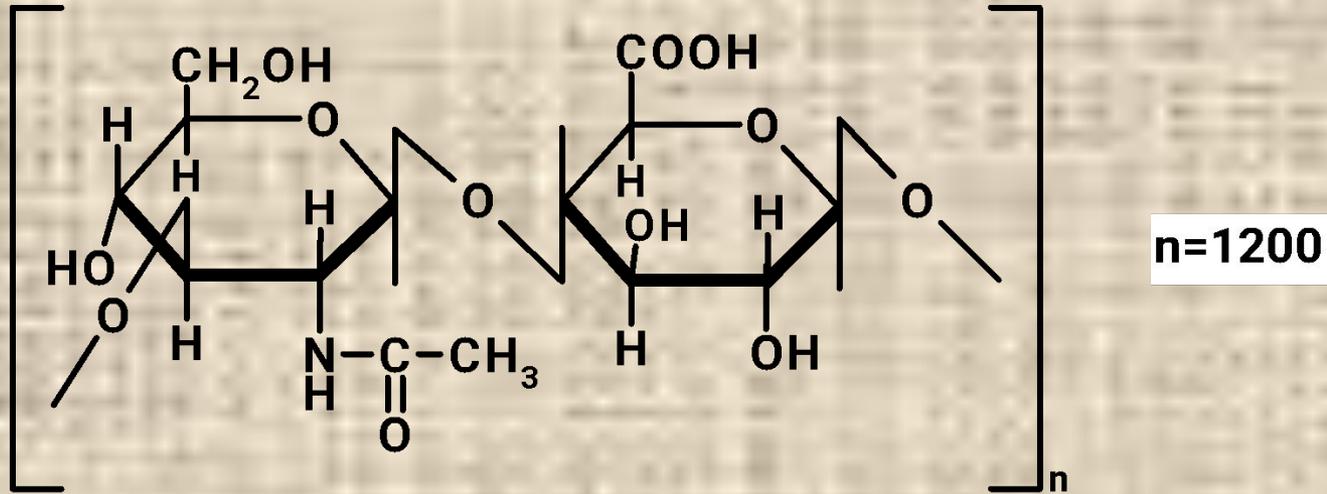
## Хитозан



n=5000

# Гиалуроновая кислота

20



# Агар-агар

