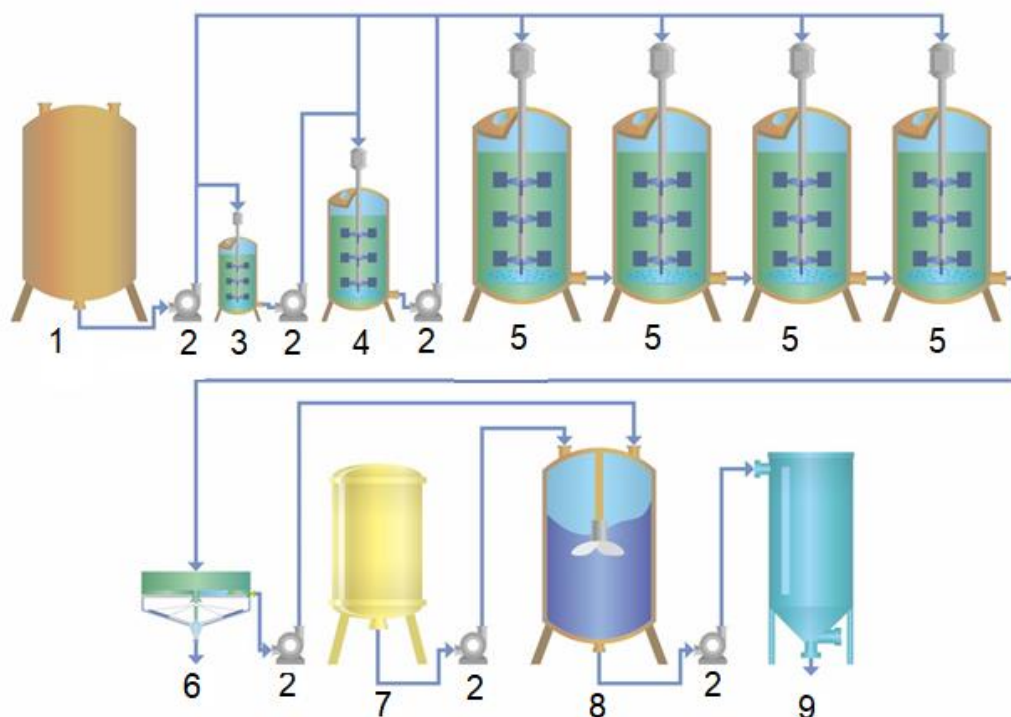


## 1-KEYS

Bakterial polisaxaridlarni ishlab chiqarishning texnologik sxemasi quyidagi pozitsiyalardan iborat: 1 – ozuqaviy muhit uchun reaktor, 2 – nasos (quvvati 12 kVt), 3 – inokulyat uchun fermentator (100 l, quvvati 12 kVt), 4 – bakterial etishtirish uchun fermentator (1000 l, quvvati 25 kVt), bakteriyalarni 5- bakterial etishtirish uchun fermentator (3000 l, quvvati 30 kVt), 6-separator (kuch 25 kVt), 7- etanolli tank, 8- polisaxaridlarni cho'ktirish va yuvish uchun reaktor. (3000 l, quvvati 30 kVt), 9 – ion almashinadigan sorbentli ustun.



Bakteriyalarni partiyaviy jarayonda etishtirish  $26^{\circ}\text{C}$  da quyidagi tarkibdagi (g/l) ozuqaviy muhitda amalga oshirildi: NaCl – 156,0;  $\text{MgCl}_2 \cdot 6\text{H}_2\text{O}$  – 13,0;  $\text{MgSO}_4 \cdot 7\text{H}_2\text{O}$  – 20,0;  $\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$  – 1,0; KCl - 4,0;  $\text{NaHCO}_3$  - 0,2; NaBr - 0,5;  $\text{KH}_2\text{PO}_4$  - 0,5;  $\text{NH}_4\text{Cl}$  - 2,0;  $\text{FeCl}_3 \cdot 6\text{H}_2\text{O}$  – 0,005; glyukoza - 10,0; xamirturush ekstrakti - 10,0 (pH 7,2) 1% bakterial ekzopolisaxaridlarni o'z ichiga olgan 10 tonna kultura suyuqligini oldik. Etanolning narxi 35 000 so'm/L.

10 tonna ozuqaviy muhitni tayyorlash va 6 kun davomida bakteriyalarni etishtirish xarajatlari:

Reaktivlar	kg/10 t	Narxi 1 kg, so'm	Narxi, so'm
NaCl		3597,00	
$\text{MgSO}_4 \cdot 7\text{H}_2\text{O}$		50600,00	
$\text{MgCl}_2 \cdot 6\text{H}_2\text{O}$		46000,00	
$\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$		52210,00	
KCl		57500,00	
$\text{NaHCO}_3$		19780,00	
NaBr		220800,00	
$\text{KH}_2\text{PO}_4$		82340,00	
$\text{NH}_4\text{Cl}$		52900,00	
$\text{FeCl}_3 \cdot 6\text{H}_2\text{O}$		64000,00	
Glyukoza		593400,00	
Achitqi ekstrakti		2766400,00	
Bakteriya inokulyati	10 l	40000	
Suv	10000 l	11,195	
Elektr toki, kBT	100	450	
<b>Ja'mi</b>			

### Topshiriq:

- 1 tonna ozuqa muhitining narxini aniqlang?
- Texnologik sxema qanday tarkibiy qismlardan iborat?
- 1 kg quruq preparatning narxi qancha?
- Taqdim etilgan texnologik liniyada qanday pozitsiya etishmayapti?