```
7, test dissociation 1
                                                             35×
         2 cell (2×10 cells/ml) = 4×105
                                                            3.8×10<sup>5</sup>
                                                            cell comt
                  " = 8×105 (or 1.6×106)
       * 4cell (
                                                            Should by 6.410
                                                             embrys -clsu
         Sull pool (") = 1.6×106
* this might
                      (take 2mc office of Still cold
 be firther
                     1. Spin down 1 /mL (2500 rpm/1min)
 along-Bull
                    2. remore supr
                                                 Schwater Ice cold
                    3 add 355 ml to each of 5 tubes
                        + combine
                    4. repeat ringe 2x (in ice cold schunter)
                                          - 3° I rinse in PBS
                   5. add 500ml 10mg/ml cold protensel
                          primoned 20 me for a count
                   6 followed protocol (2 tupes of Intrachafter
         i ringe tre
                   7. resispondand in 400 ML art. SW + 0.01°0.1% BSA
         streen to send
                       2:25 pm - 1st count - viability is amazing hot lets
                       2:55 pm 2 nd observations
                       5.25 pm - 3" observed, one
                                                       1 put 1/2 vol through
     (1) Juhi Sapa dati
       fames clumps in
                                                       green 20mm steen
                                   Juli Doctor
       OUR 20mm fillord
                                                      + 1/2 ehrough 30 mm
```

of clamps want date

screen to get i dof

clumps - 20 mm Serson Estill had owner.

Sample

comt

(goal try to break up cumps)

Oget enzyme to RT first

Omoreograsion manual pipettingOpen the wholetime

(3) directly onto 20mm filt ce (by pass the 40)

64 cell stage embros & cells are earn finite

no gowth phase yet;

- 1 mL of 64 cell \$1
- @ rinse in Sw x2 PBS+1 (2500rpm 1 min cuch)
- 3) 15 min in aild protecte Inverter every few min 5 min man pipette prob Cafter adding 500 (4) Inc through
- 5) Spin
- (6) rasspond 150 ml art. SW + 0.1% BSA Count ~ 4:15 check @ 515 +

T3 dissociation. "blastela" 5pm \$7 > 1/2 moving

- 1) did 3x ringers in the cotd PBS -pull ston when removing supe
- @ cold protrust was on ice, warmed by shand for 5 min
- 3) 5 min P200

 down i dontilly set

 down i down i down i down i down i down i down

 lead of the control o
 - (10+20 mm Separate)
 - (5) comt

iots of clumps earn in loun filter:

1.29.20

- liberate the occitis up lab sportula in Szawadel (4Corder Screen on 90 - 20, rings off the 20 in 400mc beaker

~ 10: 9:15 1st hydralion notes on other sheet

10.15- Speem to get ~ 10.20 sp/egg

o 11:15 filtered sporm from eggs + resuspended in

o performed cell counts

9, 3500 0 W/me = 850,000

72

9 +3 2000

or resuspended in 50ml (rinsed on 20mm) to get them more cone.

09, 200,000

200,000 alls/Inc

Sce - 972 205,000 conts 43

173 a 24 cell sample for land closed to mostly 4 cell

(10) a cellsty 4 cell sample for land

(10) a cellsty 2 x 10 cells 4 x 10 in land

(10) a cells to know what my stort in conce

heads to be to have larillion and cells

(172 million embryos) in 100 mc a thinkell

work fields

make puting stores ressing

mocke pulling stories recommendation and gos)

mocke pulling stories recommendation and subsample + fix-ctive

with 12:40 = 2nd subsample + fix-ctive

with 2:40 = 2nd subsample + fix-ctive

1 compand scope 1 sproportic ctott

(perge 1.FZ)

 $\frac{9}{20.5}$ $\frac{9}{12.5}$ $\frac{9}{2.5}$ $\frac{9}{2.5}$ $\frac{9}{2.5}$

1:45 - V2:35 - N32 cell Sample went to ice (fid a 4 cell check + thy looked gold - V 2:35 - N32 cell Sample went to ice # also #2 2 to fix

3:05 - 64 cell sample

3:35 - ball of culls, difficult to tell

3:45 · did a 4 cell check + most/many moved to 8 cell i even on ice

3:50 obserred for 1st time moving embyos (reciliated)
only for 91

4:30 - all embryos spinny in \$1 40% \$2,60% \$3

4c Still looked 4 cell to me, but may be like

thyre coming apart a bit don't look too happe
of Sample + Sample with photos throughout to see

If really Ding

(perge 20f2) 4:30 9 1 -> 1/2 aremoving most still have polar budy attacked

CELL COUNT WORKSHEET

Cells/uL (cells/mL / 1000)	5.625 x 10° 6,625
Cells/mL (Hc * DF)	6.625 x 10 ⁶
DF*	2 7 4 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
Hemocytometer count (Hc) (average cell count * 1 x 10*)	1.3 x 106 1.3 x 106 1.3 x 106 2.0 4 2.0
Average cell counts (average of side 1 and 2 counts)	2.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3
counts (total cells 4 outer squares/4)	2000 = 60
Side 1 counts (total cells 4 outer squares/4)	121 5 5 5 7 17 17 17 14 8935/45,224/5 05/75/5 2012 cells = 121
Sample ID	2 cell stage 121
,	