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## ภาคผนวก

สูตรสารเคมีและสารเคมีที่ใช้สำหรับเตรียมน้ำยาต่าง ๆ

1. สารเคมีสำหรับเตรียมน้ำยาเพาะเลี้ยงโอโอไซต์ให้เจริญพร้อมปฏิสนธิออกร่างกาย (In vitro maturation media)

- TCM - 199 ( Giboco BRL Lot . No. 75 K 0652 )
- NaHCO<sub>3</sub> ( Merck Lot. No. 315 K 1405029 )
- HEPES ( Sigma Lot. No. 64 H 5727 )
- Estradiol - 17B ( Sigma Lot. No. 120 H 01265 )
- FSH / LH ( Sigma )
- Gilt Estrous Serum ( GES )

2. สารเคมีสำหรับเตรียมน้ำยาเพื่อทำการปฏิสนธิภายนอกในร่างกาย

2.1 Fecondation media

- |  |           |
|--|-----------|
| - NaCl ( Fluka Garantie No. 71381 )                                | 0.6662 gm |
| - NaH <sub>2</sub> PO <sub>4</sub> ( Merck Lot. No. 629 A 156946 ) | 0.0048 gm |
| - KCl ( Merck Lot. No. 508 TA 745736 )                             | 0.0235 gm |
| - CaCl <sub>2</sub> ( Merck Lot. No. 509 TA 14082 )                | 0.0294 gm |
| - MgCl <sub>2</sub> ( Merck Lot. No. 524 A 8233 )                  | 0.0101 gm |
| - NaHCO <sub>3</sub> ( Merck Lot. No. 315 K 1405029 )              | 0.21 gm   |
| - Na Lactate ( Sigma Lot. No. 90 H 5020 )                          | 186 ul    |

สารเคมีทุกตัวละลายในน้ำกลั่น 100 ซีซี และปรับ pH เป็น 7.6

2.2 In vitro fertilization media

- Fecondation media pH 7.6
- Bovine serum albumin ( without fatty acid )( Sigma Lot.124 H 9310 )
- Penicillin - Streptomycin ( Dumex )

- Pyruvate ( Sigma Lot. No. 117 C 0338 )
- Heparin ( Sigma Lot. No. 51 H 0480 )
- 0.9 % NaCl solution
- Penicillamine ( Sigma Lot. No. 79 F 0016 )
- Hypotaurine ( Sigmg Lot. No. 83 H 7100 )
- Epinephrine ( Sigma Lot. No. 61 H 0493 )

3. สารเคมีสำหรับเตรียมน้ำยาเลี้ยงตัวอสุจิให้พร้อมก่อนปฏิสนธิ ( capacitation media )

- NaCl ( Fluka Garantie No. 71381 )	0.582 gm
- NaH <sub>2</sub> PO <sub>4</sub> ( Merck Lot. No. 629 A 156946 )	0.0048 gm
- KCl ( Merck Lot. No. 508 TA 745136 )	0.0235 gm
- CaCl <sub>2</sub> ( Merck Lot. No. 509 TA 14082 )	0.0294 gm
- MgCl <sub>2</sub> ( Merck Lot. No. 524 A 8233 )	0.0223 gm
- NaHCO <sub>3</sub> ( Merck Lot. No. 315 K 1405029 )	0.21 gm
- HEPES ( Sigma Lot. No. 64 H 5727 )	0.238 gm
- Na Lactate ( Sigma Lot. No. 09 h 5020 )	386 ul

สารเคมีทุกตัวละลายในน้ำกลั่น 100 ซีซี และปรับ pH เป็น 7.2 โดยเติม

- BSA ( Bovine serum albumin ) ( Fraction V ) ( Sigma Lot. 44 H 0190 )
- Gentamycin ( Sigma Lot. No. 44 H 0340 )
- Pyruvate ( Sigma Lot. No. 117 C 0338 )

ลงใน capacitation solution ก่อนปรับ pH

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## ประวัติผู้เขียน

ชื่อ นางสาวจงกลวรรณ มุสิกทอง  
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มหาวิทยาลัยมหิดล กรุงเทพฯ พ.ศ. 2533  
การทำงาน พยาบาลประจำการ แผนกการพยาบาลอายุรศาสตร์  
และจิตเวชศาสตร์ โรงพยาบาลศิริราช กรุงเทพฯ พ.ศ. 2533 ถึงปัจจุบัน



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