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( )

## MEM- $\alpha$

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NMARI

MEM- $\alpha$ , hCG, rFSH, % FCS

rFSH hCG MEM- $\alpha$  % hHFF

% hHFF

(% / ) (% / ) (% / ) :

(P < / ) (P < / )

(% / ) (% / ) (% / )

(P < / ) (P < / P < / )

:

:

(PCOS)

.( )

IVM

( In Vitro Maturation IVM)

Enzman Pincus

( Germinal Vesicle GV)

(GVBD) Germinal Vesicle Breakdown

Large offspring syndrome

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( Assisted ART Reproductive Technology)

IVM

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IVM

( )

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IVM

GV

In vitro

.( )

II

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IVF      IVF-ET

GnRH-a      HCG      (MEM- $\alpha$ )

NMRI

$\times g$

( $^{\circ}C$ )

( )      IVF-ET

•

CO<sub>2</sub>      mg/ml MEM- $\alpha$ (sigma) :

(sigma) rFSH      mg/ml FCS(sigma) 20%

. HCG(sigma)      mg/ml

:

GV      (. Heated Human Follicular Fluid 100%) %

GVBD      MEM- $\alpha$  (sigma) :

mg      rFSH(sigma)      mg/ml hHFF20%

. HCG(sigma)

MII

•

*IVF (in vitro fertilization)*      •

:

MII (P < / ) . I  
 % / % /

(P < / ) NMARI . II

hHFF 100%  
 (P < / ) /  
 (P < / ) . ° C

MII Two Cell . III

% / hHFF 100% . ( × ml)  
 % hHFF 20% . IV

% / MEM- $\alpha$  . V

(P < / ) . IVF

(P < / )

( )

Two cell	MII	GVBD	GV	
(%)	(%)	(%)	(%)	
c	a		a	FCS 20% MEM- $\alpha$
( / )	( / )	( / )	( / )	(N = )
				hHFF%100
( / )	( / )	( / )	( / )	(N = )
d	b		b	MEM- $\alpha$ ,hHFF20%
( / )	( )	( / )	( / )	(N = )
P < /	P < /	P < /	P < /	

GV:Germinal vesicle

GVBD: Germinal vesicle break down

MII:Metaphase 2

hHFF :Heated Human Follicular Fluid

a: (P < / )

b: (P < / )

c: (P < / )

d: (P < / )

MEM- $\alpha$

hHFF 100%

hHFF 20%

GV

hHFF 100% % / MEM- $\alpha$

% / hHFF 20% % /

(P < / )

(P < / )

GVBD

( Heat treatment ) IVF

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%

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