



# EmbryoCloud

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## AN INTRODUCTION TO EMBRYOCLOUD

After years of research in the field of in vitro fertilization we are convinced that to achieve healthy embryos, in all its aspects, we should approach physiological conditions to in vitro ones. Under this idea it has been born **EmbryoCloud** where we offer products to improve embryo quality from a multi-pronged approach such as the preparation of semen samples, treatment of oocytes prior to fertilization or embryo culture. **NaturARTs**, our first line of products, provides more physiological culture media for sperm preparation as well as fluids from the genital tract to supplement the conventional culture media. We cover different mammalian species and very soon a human line of products will be launched. Our primary goal is to produce highest quality embryos through bioinspired culture media.

Our products are obtained from healthy animals with all the sanitary certificates and classified according to the phase of the estrous cycle when they were collected. The fluids have been processed in our laboratories under strict biosafety conditions and after purification and lyophilization, their biological activity has been assessed using the Zona Pelucida digestion test.

We supply products for research and we deliver to the entire world. We are expanding and our policy is to meet our customer needs so do not hesitate to contact us to have more information about availability and shipping date of our products.

The EmbryoCloud team

March 2017

| <b>NaturARTS PIG</b>            | <b>Product code</b> | <b>Suggested applications</b>  | <b>Description</b>  |
|---------------------------------|---------------------|--|---|
| <b>Porcine follicular fluid</b> | PFF                 | To supplement oocyte's maturation medium                                   | From 3-6 mm ovarian follicles. Filtered and lyophilized.  |
| <b>Porcine oviductal fluid</b>  |                     |  |   |
| From early follicular phase     | POF-EF              | To supplement oocyte's maturation medium                                   | From animals at the early follicular phase of the estrous cycle. Lyophilized.   |
| From late follicular phase      | POF-LF              | To supplement oocyte's maturation medium and fertilization medium          | From animals at the late follicular phase of the estrous cycle. Lyophilized.  |
| From early luteal phase         | POF-EL              | To supplement fertilization medium and embryo culture medium               | From animals at the early luteal phase of the estrous cycle. Lyophilized.   |
| From mid luteal phase           | POF-ML              | To supplement embryo culture medium  | From animals at the mid luteal phase of the estrous cycle. Lyophilized.   |
| From late luteal phase          | POF-LL              | To supplement embryo culture medium  | From animals at the late luteal phase of the estrous cycle. Lyophilized.  |
| <b>Porcine uterine fluid</b>    |                     |  |   |
| From early follicular phase     | PUF-EF              |  |   |
| From late follicular phase      | PUF-LF              | To supplement sperm washing media and embryo culture medium                | From animals at the late follicular phase of the estrous cycle. Lyophilized.  |
| From early luteal phase         | PUF-EL              | To supplement embryo culture medium  | From animals at the early luteal phase of the estrous cycle. Lyophilized.   |
| From mid luteal phase           | PUF-EL              | To supplement embryo culture medium  | From animals at the mid luteal phase of the estrous cycle. Lyophilized.   |
| From late luteal phase          | PUF-LL              | To supplement embryo culture medium  | From animals at the late luteal phase of the estrous cycle. Lyophilized.  |
| <b>Sperm processing medium</b>  |                     |  |   |
| Sperm Swim-up medium            | SUM                 | To select competent spermatozoa for fertilization. To be supplemented with | Medium formulated with the ideal concentration of salts and viscosity to mimic the oviductal fluid. Two components that need to be mixed. Liquid. |

| NaturARTS COW                  | Product code | Suggested applications   | Description   |
|--------------------------------|--------------|--|---|
| <b>Bovine follicular fluid</b> | BFF          | To supplement oocyte's maturation medium   | From 4-7 mm ovarian follicles. Filtered and lyophilized.                      |
| <b>Bovine oviductal fluid</b>  |              |  |   |
| From early follicular phase    | BOF-EF       | To supplement oocyte's maturation medium   | From animals at the early follicular phase of the estrous cycle. Lyophilized. |
| From late follicular phase     | BOF-LF       | To supplement oocyte's maturation medium and fertilization medium                            | From animals at the late follicular phase of the estrous cycle. Lyophilized.  |
| From early luteal phase        | BOF-EL       | To supplement fertilization medium and embryo culture medium                                 | From animals at the early luteal phase of the estrous cycle. Lyophilized.     |
| From mid luteal phase          | BOF-ML       | To supplement embryo culture medium  | From animals at the mid luteal phase of the estrous cycle. Lyophilized.       |
| From late luteal phase         | BOF-LL       | To supplement embryo culture medium  | From animals at the late luteal phase of the estrous cycle. Lyophilized.      |
| <b>Bovine uterine fluid</b>    |              |  |   |
| From early follicular phase    | BUF-EF       |  |   |
| From late follicular phase     | BUF-LF       | To supplement sperm washing media and embryo culture medium                                  | From animals at the late follicular phase of the estrous cycle. Lyophilized.  |
| From early luteal phase        | BUF-EL       | To supplement embryo culture medium  | From animals at the early luteal phase of the estrous cycle. Lyophilized.     |
| From mid luteal phase          | BUF-ML       | To supplement embryo culture medium  | From animals at the mid luteal phase of the estrous cycle. Lyophilized.       |
| From late luteal phase         | BUF-LL       | To supplement embryo culture medium  | From animals at the late luteal phase of the estrous cycle. Lyophilized.      |
| <b>Sperm processing medium</b> |              |  |   |
| Sperm washing medium           |              | Sperm processing media for bull spermatozoa are under development and will be launched soon. |   |

## NaturARTs OTHER SPECIES

| NaturARTs GOAT               | Product code | Suggested applications  | Description          |
|------------------------------|--------------|---|----------------------|
| <b>Goat follicular fluid</b> | GFF          | To supplement oocyte's maturation medium                          | Product upon request |
| <b>Goat oviductal fluid</b>  |              |   |                      |
| From early follicular phase  | GOF-EF       | To supplement oocyte's maturation medium                          | Product upon request |
| From late follicular phase   | GOF-LF       | To supplement oocyte's maturation medium and fertilization medium | Product upon request |
| From early luteal phase      | GOF-EL       | To supplement fertilization medium and embryo culture medium      | Product upon request |
| From late luteal phase       | GOF-LL       | To supplement embryo culture medium                               | Product upon request |
| <b>Goat uterine fluid</b>    |              |   |                      |
| From early follicular phase  | GUF-EF       |   | Product upon request |
| From late follicular phase   | GUF-LF       | To supplement sperm washing media and embryo culture medium       | Product upon request |
| From early luteal phase      | GUF-EL       | To supplement embryo culture medium                               | Product upon request |
| From late luteal phase       | GUF-LL       | To supplement embryo culture medium                               | Product upon request |

## NaturARTs SHEEP

|                               |     |  |                      |
|-------------------------------|-----|--|----------------------|
| <b>Sheep follicular fluid</b> | SOF | To supplement oocyte´s maturation medium | Product upon request |
|-------------------------------|-----|--|----------------------|

### Sheep oviductal fluid

|                             |        |  |                      |
|-----------------------------|--------|--|----------------------|
| From early follicular phase | SOF-EF | To supplement oocyte´s maturation medium | Product upon request |
|-----------------------------|--------|--|----------------------|

|                            |        |   |                      |
|----------------------------|--------|---|----------------------|
| From late follicular phase | SOF-LF | To supplement oocyte´s maturation medium and fertilization medium | Product upon request |
|----------------------------|--------|---|----------------------|

|                         |        |  |                      |
|-------------------------|--------|--|----------------------|
| From early luteal phase | SOF-EL | To supplement fertilization medium and embryo culture medium | Product upon request |
|-------------------------|--------|--|----------------------|

|                        |        |                                     |                      |
|------------------------|--------|-------------------------------------|----------------------|
| From late luteal phase | SOF-LL | To supplement embryo culture medium | Product upon request |
|------------------------|--------|-------------------------------------|----------------------|

### Sheep uterine fluid

|                             |        |  |                      |
|-----------------------------|--------|--|----------------------|
| From early follicular phase | SUF-EF |  | Product upon request |
|-----------------------------|--------|--|----------------------|

|                            |        |   |                      |
|----------------------------|--------|---|----------------------|
| From late follicular phase | SUF-LF | To supplement sperm washing media and embryo culture medium | Product upon request |
|----------------------------|--------|---|----------------------|

|                         |        |                                     |                      |
|-------------------------|--------|-------------------------------------|----------------------|
| From early luteal phase | SUF-EL | To supplement embryo culture medium | Product upon request |
|-------------------------|--------|-------------------------------------|----------------------|

|                        |        |                                     |                      |
|------------------------|--------|-------------------------------------|----------------------|
| From late luteal phase | SUF-LL | To supplement embryo culture medium | Product upon request |
|------------------------|--------|-------------------------------------|----------------------|

## CATALOGUE PRICES 2017

| <b>NaturARTS PIG</b>            | <b>Product code</b> | <b>Presentation</b>  | <b>Price*</b> |
|---------------------------------|---------------------|----------------------|---------------|
| <b>Porcine follicular fluid</b> | PFF                 | 5 units x 1 ml vial  | 325 €         |
|                                 |                     | 10 units x 1 ml vial | 500 €         |
| <b>Porcine oviductal fluid</b>  | POF                 | 50 µl vial           | 350 €         |
|                                 |                     | 100 µl vial          | 500 €         |
| <b>Porcine uterine fluid</b>    | PUF                 | 50 µl vial           | 300 €         |
|                                 |                     | 100 µl vial          | 450 €         |
| <b>Sperm Swim-up medium</b>     | SUM                 | 50ml                 | 125 €         |
| <b>NaturARTS COW</b>            | <b>Product code</b> | <b>Presentation</b>  | <b>Price*</b> |
| <b>Bovine follicular fluid</b>  | BFF                 | 5 units x 1 ml vial  | 325 €         |
|                                 |                     | 10 units x 1 ml vial | 500 €         |
| <b>Bovine oviductal fluid</b>   | BOF                 | 50 µl vial           | 350 €         |
|                                 |                     | 100 µl vial          | 500 €         |
| <b>Bovine uterine fluid</b>     | BUF                 | 50 µl vial           | 300 €         |
|                                 |                     | 100 µl vial          | 450 €         |
| <b>NaturARTs GOAT</b>           | <b>Product code</b> | <b>Presentation</b>  | <b>Price*</b> |
| <b>Goat follicular fluid</b>    | GFF                 | 5 units x 1 ml vial  | 325 €         |
|                                 |                     | 10 units x 1 ml vial | 500 €         |
| <b>Goat oviductal fluid</b>     | GOF                 | 50 µl vial           | 350 €         |
|                                 |                     | 100 µl vial          | 500 €         |
| <b>Goat uterine fluid</b>       | GUF                 | 50 µl vial           | 300 €         |
|                                 |                     | 100 µl vial          | 450 €         |
| <b>NaturARTs SHEEP</b>          | <b>Product code</b> | <b>Presentation</b>  | <b>Price*</b> |
| <b>Sheep follicular fluid</b>   | SFF                 | 5 units x 1 ml vial  | 325 €         |
|                                 |                     | 10 units x 1 ml vial | 500 €         |
| <b>Sheep oviductal fluid</b>    | SOF                 | 50 µl vial           | 350 €         |
|                                 |                     | 100 µl vial          | 500 €         |
| <b>Sheep uterine fluid</b>      | SUF                 | 50 µl vial           | 300 €         |
|                                 |                     | 100 µl vial          | 450 €         |

\*21% VAT not included