



GIGA sample number:	SPF17-A371-hk
Order number:	171204NC
Customer batch n°:	17E01F09F26
Product description:	Umonium38 Neutralis Tissues
Date of reception:	07/12/2017

Assay system:

96 hours (D1 to D5) exposition of FVB x CD1 mouse embryo to M16. Embryos (test) have been collected and manipulated under laminar flow hood previously cleaned with the material « Umonium38 Neutralis Tissues » 17E01F09F26. Development was performed using standard culture methods, following the standard manipulating procedure PM-SPF-AN-001.05/En.

For a valid assay it is required that at least 80% of one-cell stage control and test embryos, developed to blastocyst stage within 96 hours.

Control assay materials and results:

21 one-cell FVB x CD1 mouse embryos were cultured in micro-drops of embryo-tested culture medium (M16):

21/21 (100%) one-cell to two-cells within 24 hours.

21/21 (100%) one-cell to expanded blastocysts within 96 hours.

Test assay materials and results:

21 one-cell FVB x CD1 embryos were cultured in micro-drops of embryo-tested culture medium (M16). Embryos have been collected and manipulated under laminar flow hood previously cleaned with the material « Umonium38 Neutralis Tissues » 17E01F09F26 for 96 hrs, from D1 to D5.

21/21 (100%) one-cell to two-cells within 24 hours.

21/21 (100%) one-cell to expanded blastocysts within 96 hours.

Comments on assay:

All test and control embryos were selected randomly from a common pool of freshly collected zygotes and were cultured in the same incubator at 37°C and 5% CO₂.

Conclusions

The « Umonium38 Neutralis Tissues » is **compatible** with mouse embryo development.

Liège, 11/12/2017

Encoded by:

Name: B. REMY

Function: SPF Platform Logistician

Signature:

Approved by:

Date: 11/12/2017

Name: F. Ectors

Function: Transgenic Platform Logistician

Signature:

Date BC: 01/12/2017
 Received on: 07/12/2017

1) Production of embryos

- donors' strain : FVB x CD1
- birth date : 26/08/2017

	IU.	Batch	Date	Time	Performed by:
PMSG	5	F171023	04/12/2017	16 H00	BREM
hCG	7.5	C171023	06/12/2017	15 H50	QTER

- number of vaginal plugs / number of superovulated mice : 6/9
- number of usable embryos : 88
- embryos recovered by: BREM
- M2 medium batch number : SPF 254

2) Tested media

GIGA sample number	Name	Batch nr	Exp. Date.	Performed by:	Type of test
SPF17-A371-HK	Ingellets Unicon 38 Penicillin	17E01F08F26	2020/05	BREM	nutritional flux
/	M16 medium control	G170505	02/2018	BREM	Day 1 -> Day 5

3) Results

GIGA sample number	Name	Nr of embryos D1	Nr of St II. D2	Time in	Time out	Nr of Blastos D5	%	Conformity	Ratio tested medium/control	Observed by:
SPF17-A371-HK	Ingellets Unicon 38 Penicillin	21	21	/	/	21	100	conform	100%	BREM
/	M16 medium control	21	21	/	/	21	100	conform	/	BREM

Approved by:

Date: 11/12/2017

Name: S. BREM

Function: SPF Platform Logistica

Signature:

