

# ALTERNATIVE - Gross Morphology Embryo E12.5 ALTIMPC\_GEM\_002

## Parameters and Metadata

### ALTERNATIVE - Alive ALTIMPC\_GEM\_001\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - alive

Options: yes, no,

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### ALTERNATIVE - Scored ALTIMPC\_GEM\_002\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - scored

Options: yes, no,

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### ALTERNATIVE - Cardiovascular System ALTIMPC\_GEM\_003\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - cardiovascular\_system

**Options:** normal, abnormal, unobservable,

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## **ALTERNATIVE - Cardiovascular Development** ALTIMPC\_GEM\_004\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - cardiovascular\_development

**Options:** normal, abnormal, unobservable,

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## **ALTERNATIVE - Vascular Development** ALTIMPC\_GEM\_005\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - vascular\_development

**Options:** normal, abnormal, unobservable,

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## **ALTERNATIVE - Outflow tract development** ALTIMPC\_GEM\_006\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - outflow\_tract\_development

**Options:** normal, abnormal, unobservable,

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## **ALTERNATIVE - Pericardium Morphology** ALTIMPC\_GEM\_007\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - pericardium\_morphology

**Options:** normal, abnormal, unobservable,

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## **ALTERNATIVE - Craniofacial** ALTIMPC\_GEM\_009\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - craniofacial

**Options:** normal, abnormal, unobservable,

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## **ALTERNATIVE - Craniofacial Development** ALTIMPC\_GEM\_010\_

001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

**Description:** ALTERNATIVE - craniofacial\_development

**Options:** normal, abnormal, unobservable,

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## **ALTERNATIVE - Embryogenesis Phenotype** ALTIMPC\_GEM\_011

\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

**Description:** ALTERNATIVE - embryogenesis\_phenotype

**Options:** normal, abnormal, unobservable,

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## **ALTERNATIVE - Extraembryonic tissue morphology** ALTIMP

C\_GEM\_012\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

**Description:** ALTERNATIVE - extraembryonic\_tissue\_morphology

**Options:** normal, abnormal, unobservable,

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## **ALTERNATIVE - Allantois Morphology** ALTIMPC\_GEM\_013\_001 | v1

.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - allantois\_morphology

**Options:** normal, abnormal, unobservable,

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## **ALTERNATIVE - Vitelline vasculature morphology** ALTIMPC\_

GEM\_014\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - vitelline\_vasculature\_morphology

**Options:** normal, abnormal, unobservable,

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## **ALTERNATIVE - Vitelline vein morphology** ALTIMPC\_GEM\_015\_

001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - vitelline\_vein\_morphology

Options: normal, abnormal, unobservable,

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## ALTERNATIVE - Visceral yolk sac morphology ALTIMPC\_GEM\_017\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - visceral\_yolk\_sac\_morphology

Options: normal, abnormal, unobservable,

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## ALTERNATIVE - Chorioallantoic fusion ALTIMPC\_GEM\_018\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - chorioallantoic\_fusion

Options: normal, abnormal, unobservable,

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## **ALTERNATIVE - Embryo Size** ALTIMPC\_GEM\_019\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - embryo\_size

**Options:** normal, abnormal, unobservable,

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## **ALTERNATIVE - Hearing/Vestibular/Ear Phenotype** ALTIMPC\_GEM\_020\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - hearing\_vestibular\_ear\_phenotype

**Options:** normal, abnormal, unobservable,

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## **ALTERNATIVE - Ear Morphology** ALTIMPC\_GEM\_021\_001 | v1.1

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - abnormal\_ear\_morphology

**Options:** normal, abnormal, unobservable,

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## **ALTERNATIVE - Ear Development** ALTIMPC\_GEM\_022\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - ear\_development

**Options:** normal, abnormal, unobservable,

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## **ALTERNATIVE - Integument** ALTIMPC\_GEM\_023\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - integument

**Options:** normal, abnormal, unobservable,

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## **ALTERNATIVE - Skin Appearance** ALTIMPC\_GEM\_024\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - skin\_appearance

**Options:** normal, abnormal, unobservable,



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## ALTERNATIVE - Limb Bud Morphology ALTIMPC\_GEM\_027\_001 |

v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - limb\_bud\_morphology

Options: normal, abnormal, unobservable,

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## ALTERNATIVE - Limb Plate Morphology ALTIMPC\_GEM\_028\_001

| v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - limb\_plate\_morphology

Options: normal, abnormal, unobservable,

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## ALTERNATIVE - Tail Morphology ALTIMPC\_GEM\_029\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - tail\_morphology

**Options:** normal, abnormal, unobservable,

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## **ALTERNATIVE - Liver/Biliary** ALTIMPC\_GEM\_030\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - liver\_biliary

**Options:** normal, abnormal, unobservable,

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## **ALTERNATIVE - Liver Morphology** ALTIMPC\_GEM\_031\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - liver\_morphology

**Options:** normal, abnormal, unobservable,

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## **ALTERNATIVE - Liver Size** ALTIMPC\_GEM\_032\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - liver\_size

**Options:** normal, abnormal, unobservable,

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## **ALTERNATIVE - Nervous System** ALTIMPC\_GEM\_035\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - nervous\_system

**Options:** normal, abnormal, unobservable,

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## **ALTERNATIVE - Neural Tube Closure** ALTIMPC\_GEM\_036\_001 | v1

.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - neural\_tube\_closure

**Options:** normal, abnormal, unobservable,

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## **ALTERNATIVE - Forebrain development** ALTIMPC\_GEM\_037\_001

| v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - forebrain\_development

**Options:** normal, abnormal, unobservable,

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## **ALTERNATIVE - Midbrain development** ALTIMPC\_GEM\_038\_001 |

v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - midbrain\_development

**Options:** normal, abnormal, unobservable,

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## **ALTERNATIVE - Hindbrain development** ALTIMPC\_GEM\_039\_001

| v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - hindbrain\_development

**Options:** normal, abnormal, unobservable,

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## **ALTERNATIVE - Vision/Eye** ALTIMPC\_GEM\_040\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - vision\_eye

**Options:** normal, abnormal, unobservable,

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## **ALTERNATIVE - Eye Morphology** ALTIMPC\_GEM\_041\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - eye\_morphology

**Options:** normal, abnormal, unobservable,

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## **ALTERNATIVE - Eye Size** ALTIMPC\_GEM\_042\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - eye\_size

**Options:** normal, abnormal, unobservable,

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## **ALTERNATIVE - Failure heart looping** ALTIMPC\_GEM\_045\_001 | v1

.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - failure\_heart\_looping

**Options:** normal, abnormal, unobservable,

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## **ALTERNATIVE - Gastrulation** ALTIMPC\_GEM\_046\_001 | v1.1

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - abnormal\_gastrulation

**Options:** normal, abnormal, unobservable,

---

## **ALTERNATIVE - Head shape** ALTIMPC\_GEM\_047\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - head\_shape

**Options:** normal, abnormal, unobservable,

---

## ALTERNATIVE - Comment on image ALTIMPC\_GEM\_048\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - comment\_on\_image

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## ALTERNATIVE - Images ALTIMPC\_GEM\_049\_001 | v1.0

seriesMediaParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - images

Increments: Minimum 1

---

## ALTERNATIVE - Experimenter ID ALTIMPC\_GEM\_050\_001 | v1.0

procedureMetadata

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - experimenter\_id

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## **ALTERNATIVE - Equipment ID** ALTIMPC\_GEM\_051\_001 | v1.0

procedureMetadata

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Description:** ALTERNATIVE - equipment\_id

---

## **ALTERNATIVE - Equipment Manufacturer** ALTIMPC\_GEM\_052\_001 | v1.0

procedureMetadata

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Description:** ALTERNATIVE - equipment\_manufacturer

---

## **ALTERNATIVE - Equipment Model** ALTIMPC\_GEM\_053\_001 | v1.0

procedureMetadata

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Description:** ALTERNATIVE - equipment\_model

---

## **ALTERNATIVE - Fixative** ALTIMPC\_GEM\_054\_001 | v1.0

procedureMetadata



Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - fixative

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## **ALTERNATIVE - Time of Dissection** ALTIMPC\_GEM\_055\_001 | v1.0

[procedureMetadata](#)

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - time\_of\_dissection

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## **ALTERNATIVE - Somite Stage** ALTIMPC\_GEM\_056\_001 | v1.1

[procedureMetadata](#)

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - somite\_stage

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## **ALTERNATIVE - Time of dark cycle start** ALTIMPC\_GEM\_057\_001

| v1.0

[procedureMetadata](#)

Req. Analysis: false

Req. Upload: true

Is Annotated: false

**Description:** ALTERNATIVE - time\_of\_dark\_cycle\_start

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## **ALTERNATIVE - Time of dark cycle end** ALTIMPC\_GEM\_058\_001 | v1.0

procedureMetadata

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Description:** ALTERNATIVE - time\_of\_dark\_cycle\_end

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## **ALTERNATIVE - Date equipment last calibrated** ALTIMPC\_GEM\_059\_001 | v1.1

procedureMetadata

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - date\_equipment\_last\_calibrated

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## **ALTERNATIVE - Pale yolk sac** ALTIMPC\_GEM\_016\_002 | v2.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - pale\_yolk\_sac

Options: yes, unobservable, no,

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## **ALTERNATIVE - Pallor** ALTIMPC\_GEM\_025\_002 | v2.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - pallor

Options: yes, unobservable, no,

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## **ALTERNATIVE - Blebs** ALTIMPC\_GEM\_026\_002 | v2.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - blebs

Options: yes, unobservable, no,

---

## **ALTERNATIVE - Pale Liver** ALTIMPC\_GEM\_033\_002 | v2.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - pale\_liver

Options: yes, unobservable, no,

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## **ALTERNATIVE - Microphthalmia** ALTIMPC\_GEM\_043\_002 | v2.3

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - microphthalmia

Options: yes, unobservable, no,

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## **ALTERNATIVE - Anophthalmia** ALTIMPC\_GEM\_044\_002 | v2.2

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - anophthalmia

Options: yes, unobservable, no,

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## **ALTERNATIVE - Severely Dysmorphic** ALTIMPC\_GEM\_060\_001 | v1

.2

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

**Description:** ALTERNATIVE - null

**Options:** no, yes, unobservable,

---

## **ALTERNATIVE - Absent Heartbeat** ALTIMPC\_GEM\_008\_002 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - null

**Options:** yes, no, unobservable,

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## **ALTERNATIVE - Gastroschisis (herniated abdominal wall)**

ALTIMPC\_GEM\_034\_002 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - null

**Options:** yes, no, unobservable,

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