

GAS ANALYSES

ID: _____ Sp: _____ Decomposition code: 2 (fresh);
 3 (decomposed, but organs intact); 4 (advanced decomposition) 5 (veins can not be distinguished)
 Date of death: _____ Date of necropsy: _____ PM hours: _____
 Storage conditions: _____

- Stranded: Alive/Dead/Found Dead/Found dead but it likely stranded alive/Found dead,
and it likely stranded dead (floating) _____ Mass/Single
- Bycaught: Depth: _____ Gear type: _____ Soak duration: _____
 Time of acquisition: _____ Water temperature: _____

1) **Gas score** (see appendix for photos)

Presence of gas bubbles? (Y/N)	Subcutaneous v. (use bubble score)	Lumbo-caudal venous Plexus (use bubble score)	Mesenteric v. (use bubble score)	Coronary v. (use bubble score)	Subcapsular emphysema* (use subcapsular emphysema score)	TOTAL

*Location:

Bubble score	Definition
0	No bubbles/Congestive veins
I	Occasional bubble
II	Few bubbles/Small discontinuities on blood flow
III	Abundant and larger discontinuities on blood flow, but not filled with gas
IV	Moderate presence of gas bubbles within a specific vein
V	Abundant presence of bubbles
VI	Complete sections of the veins are filled with gas

Subcapsular emphysema	Definition
0	Absence of gas
1	Scarce presence of gas (affecting only a target organ: kidneys)
2	Moderate presence of gas (affecting more than one organ)
3	Abundant presence of gas (affecting many different organs).

Gas sampling

- 3 BLANKS minimum.
- INTESTINE (use vacutainers with adapters): duodenal/ medial/ rectal
- BUBBLES OR EMPHYSEMA FROM ABDOMINAL CAVITY (use syringes):

Localization: Vol (mL): Method:

Comments:

Localization: Vol (mL): Method:

Comments:

Localization: Vol (mL): Method:

Comments:

Localization: Vol (mL): Method:

Comments:

Localization: Vol (mL): Method:

Comments:

Localization: Vol (mL): Method:

Comments:

Localization: Vol (mL): Method:

Comments:

Localization: Vol (mL): Method:

Comments:

- BUBBLES FROM CORONARY VEINS (open a small window in the pericardial sac, use syringes for sampling):

Localization: Vol (mL): Method:

Comments:

Localization: Vol (mL): Method:

Comments:

Localization: Vol (mL): Method:

Comments:

- GAS FROM HEART AND LARGE VESSELS (use aspirometer if fresh, label the sample with the volume and number of tube):
 - R. Ventricle:
 - L. Ventricle:
 - Aorta:
 - Pulmonary trunk:
- SINUSES: (use vacutainers with adapters): right/ left

APPENDIX: Photos illustrating the different gas scores in rabbits as an example

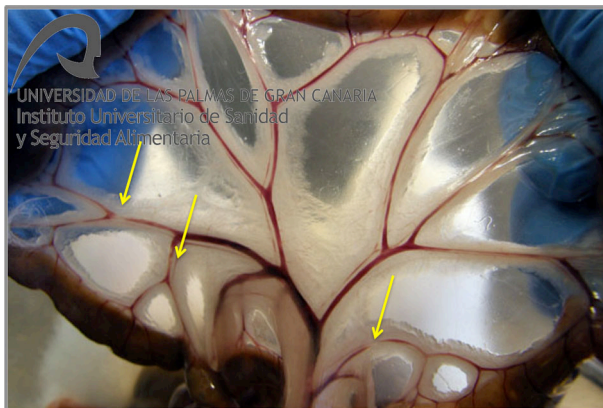
Gas score 0



Gas score 1



Gas score 2



Gas score 3



Gas score 4



Gas score 5



Gas score 6

